Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM03358

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NEBU 604 COM 2H

2. Name of Operator
BP AMERICA PRODUCTION CO
Contact: TOYA COLVIN
E-Mail: Toya.Colvin@bp.com

9. API Well No.
30-045-35794-00-X1

3a. Address
PO BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281-892-5369

10. Field and Pool or Exploratory Area
BASIN MANCOS

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 13 T31N R7W SWNW 1891FNL 594FWL
36.901585 N Lat, 107.529243 W Lon

11. County or Parish, State
SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BP has changed the bottom hole location of our lateral and added a pilot hole in the subject well. Please see the attached updated drill plan, directional plans, C-102 and additional documents for this change to our original APD.

Please note BP will not produce from the pilot hole of the subject well. The plug back wellbore diagram of the subject well is attached.

OIL CONS. DIV DIST. 3

FEB 10 2017

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #365269 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 02/07/2017 (17JWS0064SE)

Name *(Printed/Typed)* TOYA COLVIN — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 01/30/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JACK SAVAGE — Title PETROLEUM ENGINEER — Date 02/07/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ADHERE TO PREVIOUS NMOCD CONDITIONS OF APPROVAL

NMOCD AV

375

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35794	97232	Mancos Gas

[4] Property Code	[5] Property Name	[6] Well Number
	Northeast Blanco Unit 604 Com	2H

[7] OGRID No.	[8] Operator Name	[9] Elevation
000778	BP America Production Company	6500

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	31N	07W		1891	North	594	West	San Juan

[11] Bottom Hole Location If Different From Surface

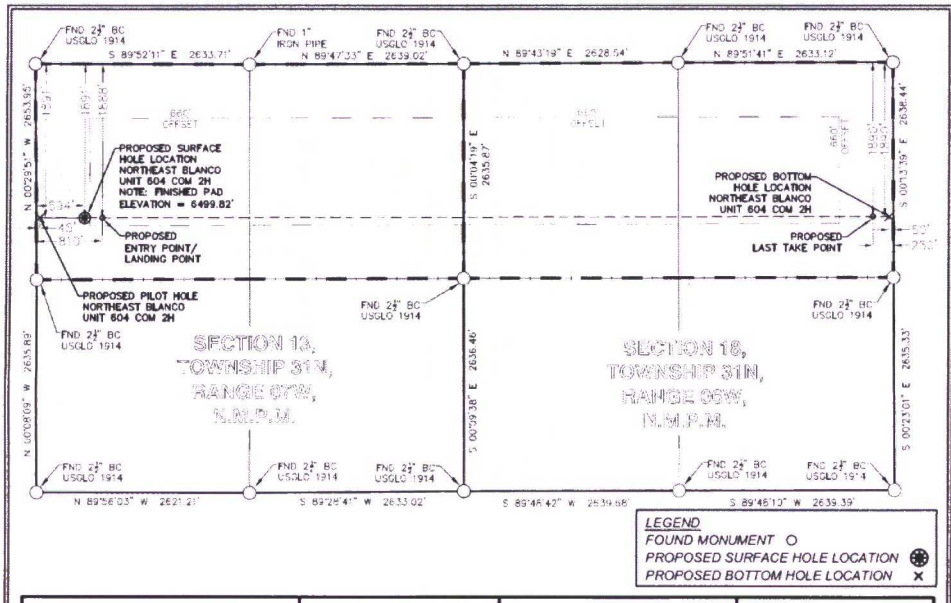
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	18	31N	06W		1890	North	50	East	San Juan

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640.00 N/2 - SEC. 13 N/2 - SEC. 18			

OIL CONS. DIV DIST. 3

FEB 10 2017

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



LEGEND
FOUND MONUMENT ○
PROPOSED SURFACE HOLE LOCATION ⊛
PROPOSED BOTTOM HOLE LOCATION ×

NEBU 604 COM 2H	NMWZ NAD'83	NAD'83	TIES
PROPOSED SURFACE HOLE LOCATION (SHL)	N (Y) = 2,147,644.56' E (X) = 2,812,001.96'	LAT. = 36.90158378°N LON.= 107.52924637°W	FNL = 1891' FWL = 594'
PROPOSED PILOT HOLE	N (Y) = 2,147,645.09' E (X) = 2,811,452.57'	LAT. = 36.90159003°N LON.= 107.53112534°W	FNL = 1891' FWL = 45'
PROPOSED ENTRY POINT (EP)/ LANDING POINT (LP)	N (Y) = 2,147,646.99' E (X) = 2,812,217.79'	LAT. = 36.90158856°N LON.= 107.52850818°W	FNL = 1888' FWL = 810'
PROPOSED LAST TAKE POINT (LTP)	N (Y) = 2,147,668.38' E (X) = 2,821,683.16'	LAT. = 36.90155985°N LON.= 107.49613537°W	FNL = 1890' FEL = 250'
PROPOSED BOTTOM HOLE LOCATION (BHL)	N (Y) = 2,147,668.83' E (X) = 2,821,883.16'	LAT. = 36.90155914°N LON.= 107.49545135°W	FNL = 1890' FEL = 50'

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Toya Colvin 1/17/17
Signature Date

Toya Colvin
Printed Name

toya.colvin@bp.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

7-22-16
Date of Survey

Signature and Seal of Professional Surveyor:

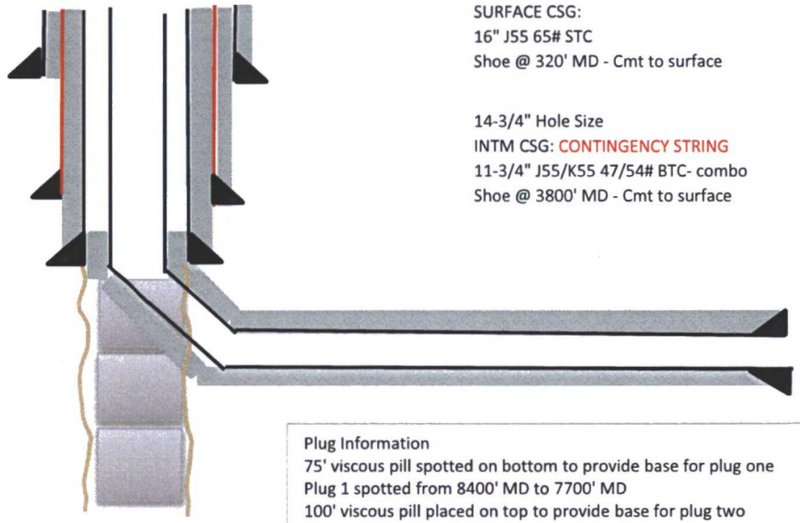
MARSHALL W. LINDEEN
NEW MEXICO
17078
PROFESSIONAL SURVEYOR
1-16-17

17078
Certificate Number

NEBU 604-2H PILOT HOLE WBD

Depths referenced to GL of 6500' & RKB 25' @ 6525'

Marker	TVD	MD
Animas	25	25
Ojo Alamo	2385	2393
Kirtland	2505	2513
Fruitland Coal	3000	3010
Pictured Cliffs	3335	3347
Cliffhouse	5415	5436
Mancos	6175	6199
Sanostee sh	7455	7480
Greenhorn ls	7780	7805
Burro Canyon	8150	8175
Pilot Hole TD	8450	8475



20" Hole Size
SURFACE CSG:
16" J55 65# STC
Shoe @ 320' MD - Cmt to surface

14-3/4" Hole Size
INTM CSG: CONTINGENCY STRING
11-3/4" J55/K55 47/54# BTC- combo
Shoe @ 3800' MD - Cmt to surface

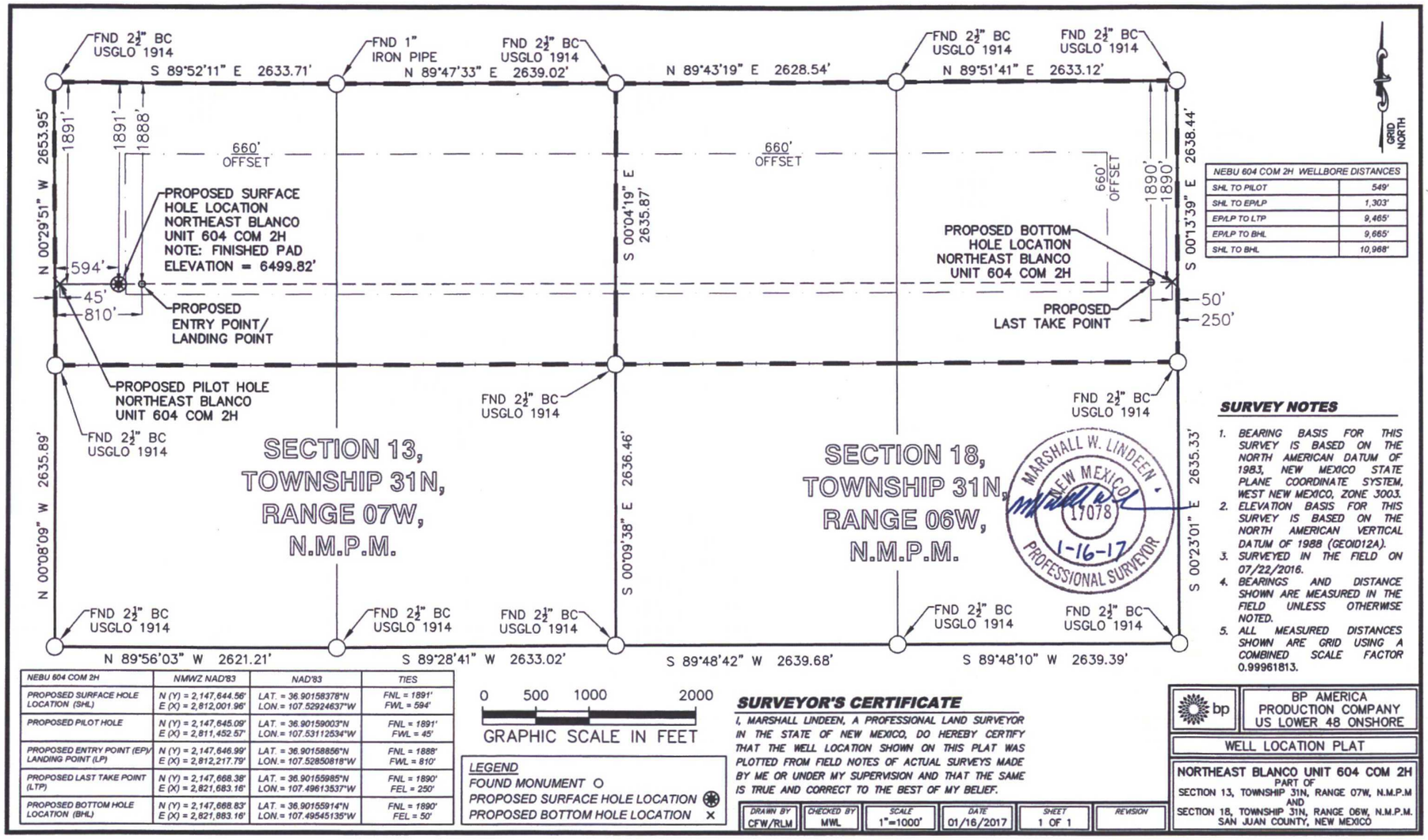
10-5/8" Hole Size
INTM. CSG:
8-5/8" N80HC 32# BTC
Shoe @ 6400' MD - Cmt to surface

7-7/8" Hole Size
Prod Csg:
5-1/2" P110 20# VARoughneck
Shoe @ 17232' MD -
Cmt to overlap 8-5/8" shoe @ ~5400'

Plug Information
75' viscous pill spotted on bottom to provide base for plug one
Plug 1 spotted from 8400' MD to 7700' MD
100' viscous pill placed on top to provide base for plug two
Plug 2 spotted from 7600' MDto 7100' MD
100' viscous pill placed on top to provide base for plug three
Plug 3 spotted from 7000' MD to 6300' MD

Cement plugs will be Class B or G, 15.6 - 15.8 ppg. Plug tops will be adjusted based on log data.

Pilot Coring: After pilot hole has been drilled and open hole logging have been completed three cement plugs with viscous gel spacers will be pumped and the top of cement will be at ~6,300'. Will utilize cement plugs to kick off from and drill the production interval.



NEBU 604 COM 2H WELLBORE DISTANCES	
SHL TO PILOT	549'
SHL TO EP/LP	1,303'
EP/LP TO LTP	9,465'
EP/LP TO BHL	9,665'
SHL TO BHL	10,968'

NEBU 604 COM 2H	NMWZ NAD'83	NAD'83	TIES
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LEGEND
FOUND MONUMENT O
PROPOSED SURFACE HOLE LOCATION ⊕
PROPOSED BOTTOM HOLE LOCATION ×

SURVEY NOTES

1. BEARING BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN DATUM OF 1983, NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST NEW MEXICO, ZONE 3003.
2. ELEVATION BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID12A).
3. SURVEYED IN THE FIELD ON 07/22/2016.
4. BEARINGS AND DISTANCE SHOWN ARE MEASURED IN THE FIELD UNLESS OTHERWISE NOTED.
5. ALL MEASURED DISTANCES SHOWN ARE GRID USING A COMBINED SCALE FACTOR 0.99961813.

SURVEYOR'S CERTIFICATE

I, MARSHALL LINDEEN, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT WAS PLOTTED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY BELIEF.

DRAWN BY	CHECKED BY	SCALE	DATE	SHEET	REVISION
CFW/RLM	MWL	1"=1000'	01/16/2017	1 OF 1	

BP AMERICA PRODUCTION COMPANY US LOWER 48 ONSHORE

WELL LOCATION PLAT

NORTHEAST BLANCO UNIT 604 COM 2H
PART OF
SECTION 13, TOWNSHIP 31N, RANGE 07W, N.M.P.M
AND
SECTION 18, TOWNSHIP 31N, RANGE 06W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

Attachment to Application for Permit to Drill.
Drilling program

BP America Production Company
US Lower 48 Onshore
200 Energy Court
Farmington, NM 87401

NEBU 604 Com #2H
Mancos Horizontal Development Well
Surface Location: 1891' FNL & 594' FWL
Section 13, T31N, R07W
GL Elevation = 6499.82'
Lat. = 36.90158378°N
Long. = 107.52924637°W
NAD83
San Juan County, New Mexico

Proposed Bottom Hole Location Pilot: 1891' FNL – 45' FWL
Section 13, T31N, R07W

Proposed Bottom Hole Location Lateral: 1890' FNL – 50' FEL
Section 18, T31N, R06W
San Juan County, New Mexico

Drilling program written in compliance with onshore Oil and Gas Order No. 1

(III.D.3, effective May 2007) and Onshore Order No. 2 Dated November 18, 1988

SECTION – 1 – GEOLOGIC FORMATIONS AND CONTENTS

Marker	TVD	MD	Comments	BHP PSI/FT
Tertiary/San Jose Ss	25	25	Wet/aquifer	0.43
Ojo Alamo Ss	2,385	2,393	Wet/aquifer	0.43
Kirtland (Top/Cretaceous)	2,505	2,513	Gas & water-bearing	0.43
Fruitland	3,000	3,010	Gas & water-bearing	0.15
Lemon coal zone	3,195	3,206	Gas & water-bearing	0.07
Ignacio coal zone	3,240	3,251	Gas & water-bearing	0.07
Cotton Wood Coal	3,315	3,327	Gas & water-bearing	0.07
Pictured Cliff Ss	3,335	3,347	Wet	0.12
Cliffhouse Ss	5,415	5,436	Gas- & water-bearing	0.35
Mancos sh	6,175	6,199	Gas-bearing	0.43
Sanostee sh	7,455	7,480	Gas-bearing	0.30
Greenhorn ls	7,780	7,805	Gas-bearing	0.30
Burro Canyon	8,150	8,175	Gas- & water-bearing	0.30
Pilot Hole TD – Morrison Ss	8,475	8,450	Water-bearing	0.30

Possible Aquifers: San Jose and Ojo Alamo

Oil Shale: None Expected.

Oil & Gas: Primary objective is the Mancos formation from 7,110' TVD (heel) to 7,150' TVD (toe). Landing point is expected to be in the Mancos at 7,110' TVD.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by setting surface casing below base of possible aquifer and cementing surface casing to surface.

SECTION – 2 BOPE

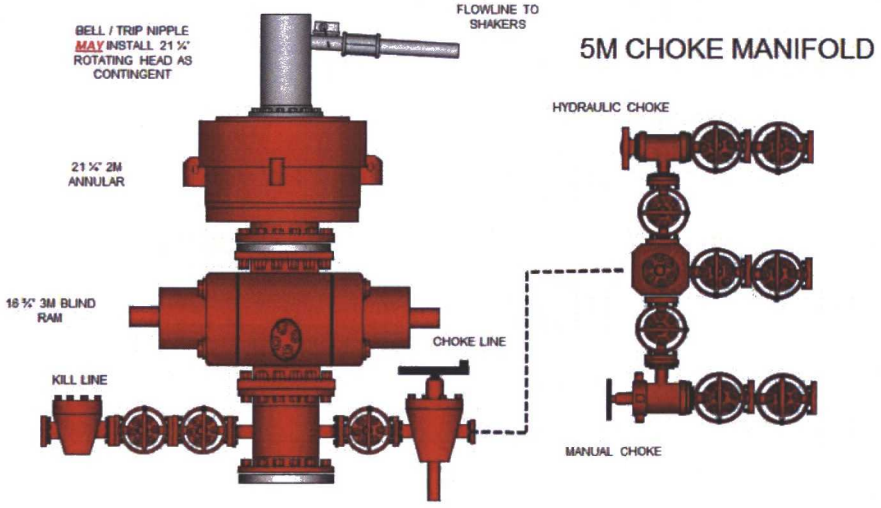
BOP equipment and accessories will meet or exceed BLM requirements outlined in 43 CFR Part 3160.

A 16 ¾" 2M BOPE and 13 5/8" 5M BOPE will be utilized to drill this well. Maximum anticipated surface pressure for the 16 ¾" 2M BOPE is 1,339 psi, maximum anticipated surface pressure for 13 5/8" 5M BOPE is 1,502 psi. The 16 3/4" BOPE will be tested 250 psi (Low) for 5 minutes and 2000 psi (High) for 10 minutes. The 13 5/8" BOPE will be tested 250 psi (Low) for 5 minutes and 5000 psi (High) for 10 minutes. Pressure test surface and intermediate casing(s) to 1500 psi for 30 minutes. All preventers and surface casing will be tested before drilling out of surface casing. BOP equipment will be tested every 30 days, after any repairs are made to the BOP equipment, and after the BOP equipment is subjected to pressure. Annular preventers will be functionally operated at least once per week. Pipe rams will be activated daily and blind rams shall be activated each trip or at least weekly. The New Mexico Oil & Gas Conservation Commission and the BLM will be notified 24 hours in advance of testing of BOPE.

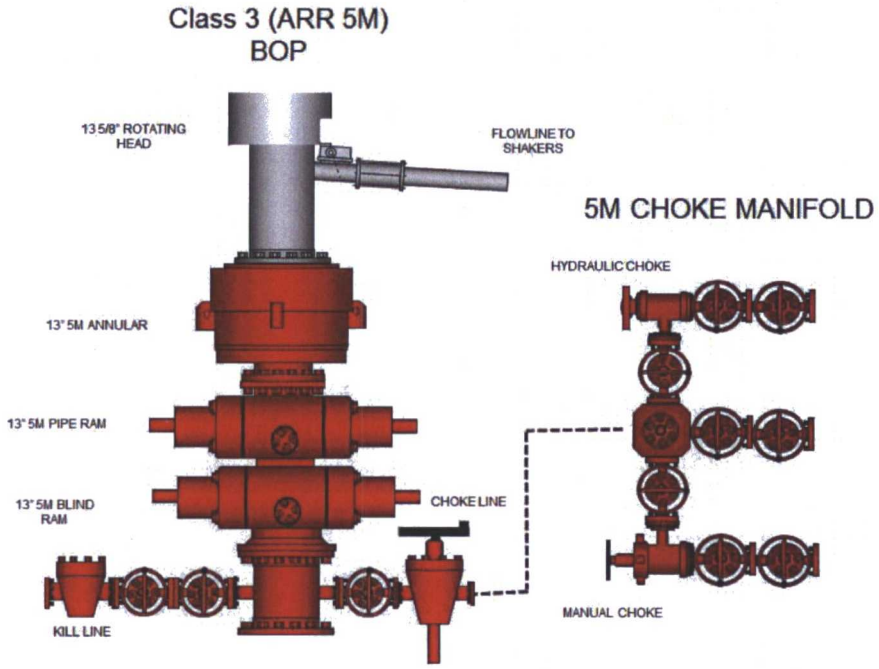
		BHP	MASP
16 3/4" 2M BOPE	6,375' TVD	2,742	1,339
13 5/8" 5M BOPE	7,150 TVD	3,075	1,502

16-3/4" BOPE

Class 2 (AR 2M)
BOP



13-5/8" BOPE



SECTION – 3 Casing

Bit Program

20" Surface Hole = Surface to 320'
14 3/4" = 320' to 3,800' MD = *11 3/4" (TO ACCOMODATE CONTINGENCY STRING IF REQUIRED)
10 5/8"= 3,800 to 6,400' MD = 8 5/8" casing point. (Above KOP)
7-7/8" Curve and Lateral = 6,400' MD (KOP) to 17,232' MD

Casing Program – all casing stings are new casing

Casing & Hole Size	Weight	Grade	Coupling	Setting Depth (MD)	Comments
16" (20")	65 ppf	J55	ST&C	0' - 320'	New casing. Cement to surface. *Surface Casing maybe preset
***11-¾" (14-¾")**	***47 ppf** ***54 ppf**	***J-55** ***K-55**	***BT&C** ***BT&C**	***0' – 2,500'** **2,500' – 3,800'**	***New Casing. Two Stage Cement** ***Contingency String**
8-5/8" (10-5/8")	32 ppf	N-80HC	BT&C	0' – 6,400'	New Casing. Two Stage Cement to surface
5-1/2" (7-7/8")	20 ppf	P-110	VARoughneck	0' – 17,232'	New Casing – Single Stage Cement to overlap previous casing shoe.

Design Factor Table

Surface Casing Design - Evacuation/Casing Test (collaspe & burst), 100k overpull (tension)

	Collapse	Burst	Tension
Min Safety Factors	1.125	1.100	1.400

	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)	Notes
Surface	16	65	J55	STC	630	2,260	1,012,000	591,000	
					80% of Burst =	1,808			

	Casing Depth	MW in	MW out	Pres in	Pres out	SF	
Collapse	320	0	15.80	0	263	2.40	Full evacuation with 15.8ppg cement in the annulus
Burst	320	15.8	0	1500	0	1.51	1500psi casing test
		Mud Wt	Air Wt	Bouy Wt	BW +100k		
Tension (Pipe Body)	320	8.3	20,800	18,164	118,164	8.56	100k over pull
Tension (Connection)	320	8.3	20,800	18,164	118,164	5.00	
	BF= 1- (MW)/65.5 =	0.8733					

Intermediate Casing Design - Evacuation/Casing Test (collaspe & burst), 100k overpull (tension)

	Collapse	Burst	Tension
Min Safety Factors	1.125	1.100	1.400

	Btm Interval	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)	Notes
Intermediate	2500	11.75	47	J55	BTC	1,510	3,070	737,000	807,000	
						80% of Burst =	2,456			

	Measured Depth	TVD	MW in	MW out	Pres in	Pres out	SF	
Collapse	2500	2491	0	9.00	0	1166	1.30	
Burst	2500	2491	9.0	0	1166	0	2.63	
			Mud Wt	Air Wt	Bouy Wt	BW +100k		
Tension (Pipe Body)	2500	2491	9.0	117,077	100,990	200,990	3.67	100k over pull
Tension (Connection)		2491	9.0	117,077	100,990	200,990	4.02	
		BF= 1- (MW)/65.5 =	0.8626					

Intermediate Casing Design - Evacuation/Casing Test (collaspe & burst), 100k overpull (tension)

	Collapse	Burst	Tension
Min Safety Factors	1.125	1.100	1.400

	Btm Interval	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)	Notes
Intermediate	3800	11.75	54	K55	BTC	2,070	3,570	850,000	1,079,000	
						80% of Burst =	2,856			

	Measured Depth	TVD	MW in	MW out	Pres in	Pres out	SF	
Collapse	3800	3785	0	9.00	0	1771	1.17	
Burst	3800	3785	9.0	0	1771	0	2.02	
			Mud Wt	Air Wt	Bouy Wt	BW +100k		
Tension (Pipe Body)	3800	3785	9.0	204,390	176,306	276,306	3.08	100k over pull
Tension (Connection)		3785	9.0	204,390	176,306	276,306	3.91	
		BF= 1- (MW)/65.5 =	0.8626					

Intermediate Casing Design - Evacuation/Casing Test (collaspe & burst), 100k overpull (tension)

	Collapse	Burst	Tension
Min Safety Factors	1.125	1.100	1.400

	Btm Interval	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)	Notes
Intermediate	6400	8.625	32	N80HC	BTC	3,800	5,710	732,000	737,000	
						80% of Burst =	4,568			

	Measured Depth	TVD	MW in	MW out	Pres in	Pres out	SF	
Collapse	6400	6375	0	9.00	0	2984	1.27	
Burst	6400	6375	9.0	0	2984	0	1.91	
			Mud Wt	Air Wt	Bouy Wt	BW +100k		
Tension (Pipe Body)	6400	6375	9.0	204,000	175,969	275,969	2.65	100k over pull
Tension (Connection)		6375	9.0	204,000	175,969	275,969	2.67	
		BF= 1- (MW)/65.5 =	0.8626					

Casing Design - Evacuation/Max Mud Wt (collaspe), Max Frac Pres (burst) 100k overpull (tension)

	Collapse	Burst	Tension
Min Safety Factors	1.125	1.100	1.400

	Size	Weight	Grade	Conn	Collapse	Burst	Tension (Pipe Body)	Tension (Connection)
Production	5.5	20	P-110	VARough	13,300	12,360	641,000	641,000

20 ppf P-110 VARoughneck

	Casing Depth TVD	MW in	MW out	Pres in	Pres out	SF	Notes
Collapse	7150	0	12.00	0	4462	2.98	
Burst	7150	12.0	0	10000	0	1.24	Max Allowable Treating Pressure = Frac Pressure Pop off valve will be set below this value
		Mud Wt	Air Wt	Bouy Wt	BW +100k		
Tension (Pipe Body)	7150	9.0	143,000	123,351	223,351	2.87	100k over pull
Tension (Connection)	7150	9.0	143,000	123,351	223,351	2.87	
	BF= 1- (MW)/65.5 =	0.8626					

Casing strings below the conductor casing will be tested to .22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield.

Minimum casing design factors used:

Collapse - 1.125
Burst - 1.1
Jt. Strength - 1.40

Surface Casing – Centralizers shall be placed on the first 4 (bottom 4) joints of casing (1 per joint) and 1 every 3rd joint to surface.

Intermediate casing – Centralizers shall be placed on first 3 (bottom 3) joints of casing (1 per joint) and 1 every 3rd joint to surface. (*contingency string will use the same centralizer placement)

Production String – Centralizers will be placed at discretion in lateral to achieve adequate standoff for quality cement job. A toe sleeve will be placed 2 joints above shoe track.

*BP respectfully request to have option to set an 11 ¾" contingency string if severe losses occur while drilling fruitland coal interval. The casing string will cover the fruitland coal interval and shoe will be set at 3,800'. A two stage cement job will be utilized with stage tool at +/- 2700' MD. The following 8 5/8" casing string will have a two stage cement job with stage too at +/- 4,600' MD.

NOTE: If contingency string is not required the 8 5/8" casing will be ran to setting depth and a two stage cement job will be utilized with stage tool at +/- 2700' MD.

NOTE: DV tool placement is described in cement section and will be used at the discretion of the operator if there is evidence of heavy losses and we are concerned that cement will not make it to surface.

*Surface casing maybe preset with a preset rig.

SECTION – 4 Cement

The proposed cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. All indications of useable water shall be reported.

- Pea Gravel or other material shall not be used to fill up around the surface casing in the event cement

fall back occurs.

- The surface casing shall in all cases be cemented back to surface. In the event cement does not circulate to surface or fall back of the cement column occurs, remedial cementing shall be done to cement the casing back to surface. No more than the top 100' will be remediated with 1" line if fall back occurs. Anything more than 100' will require plan approval to remediate.

- Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

- Cement Volumes may be adjusted based on hole conditions.

Surface Casing Single Stage Job – (0-320'MD/TVD): 20" hole x 16" casing – 100% XS

Cement will be circulated to surface with 405 sx of Class G cement, 15.8 ppg, 1.174 ft3/sk, 94 lbm/sk, 2% CaCl, 0.1250 lbm/sk Poly E Flake, 5.13 Gal/sk fresh water. Volume 471 ft3

Intermediate Casing – Two Stage (0-6,400'MD/6,375'TVD): 14.75" (300' to 3,800') hole x 10.625" (3,800' to 6,400') hole x 8.625" casing Stage tool @ +/- 2,700' MD

Cement will be circulated to surface. Stage 1 Lead – 1075 sx of Poz 12.3 ppg, 1.958 ft3/sk, 61.10 lbm/sk, 0.1250 lbm/sk Poly E Flake, 10.42 Gal/sk fresh water. Tail – 220 sx 15.8 ppg, 1.147 ft3/sk, 94 lbm/sk, 0.10% Halad, 0.150 lbm/sk Poly E Flake, 4.96 Gal/sk freshwater. Stage 2 Lead – 1225 sx of Poz 12.3 ppg, 2.005 ft3/sk, 61.10 lbm/sk, 2% CaCl, 0.1250 lbm/sk Poly E Flake, 10.74 Gal/sk. Tail – 270 sx 15.8 ppg, 1.147 ft3/sk, 94 lbm/sk, 4.99 Gal/sk. Volume 5079 ft3

CONTINGENCY – 11.75" string will be run if we see excessive losses.

Intermediate 1 Casing – Two Stage (0-3,800'MD/3,785'TVD) 14.75" hole X 11.75" casing Stage tool @ +/- 2,700'MD: Contingency String

Cement will be circulated to surface. Stage 1 Lead – 235 sx of Poz 12.3 ppg, 1.958 ft3/sk, 61.10 lbm/sk, 0.1250 lbm/sk Poly E Flake, 10.42 Gal/sk fresh water. Tail – 450 sx 13.5 ppg, 1.317 ft3/sk, 94 lbm/sk, 0.10% Halad, 0.150 lbm/sk Poly E Flake, 4.96 Gal/sk freshwater. Stage 2 Lead – 670 sx of Poz 12.3 ppg, 2.005 ft3/sk, 61.10 lbm/sk, 2% CaCl, 0.1250 lbm/sk Poly E Flake, 10.74 Gal/sk. Tail - 150 sx 15.8 ppg, 1.147 ft3/sk, 94 lbm/sk, 4.99 Gal/sk. Volume 2553 ft3

Intermediate 2 Casing – Two Stage (0-6,400'MD/6,375'TVD) 10.625" hole x 8.625" casing Stage tool @ +/- 4,600'MD:

Cement will overlap previous casing shoe at 3,500' MD. Stage 1 Lead – 130 sx of Poz 12.3 ppg, 1.959 ft3/sk, 61.10 lbm/sk, 0.10% HR-5, 0.1250 lbm/sk Poly E Flake, 10.42 Gal/sk fresh water. Tail – 220 sx 13.5 ppg, 1.317 ft3/sk, 47 lbm/sk, 0.10% HR-5, 0.1250 lbm/sk Poly E Flake, 5.95 Gal/sk freshwater. Stage 2 - Lead – 145 sx of Poz 12.3 ppg, 1.959 ft3/sk, 61.10 lbm/sk, 0.10% HR-5, 0.1250 lbm/sk Poly E Flake, 10.42 Gal/sk fresh water. Tail - 70 sx 15.8 ppg, 1.147 ft3/sk, 94 lbm/sk, 0.10 Halad(R) - 9, 4.98 Gal/sk. Volume 888 ft3

Production Casing – Single Stage Conventional Cement (0' - 17,232' MD/ 7,150' TVD) 7.825" hole x 5.5" casing:

Estimated top of cement at 6,000' MD. 1650 sx of Class G cement, 15.8 ppg, 1.174 ft3/sk, 94 lbm/sk, 2% CaCl, 0.1250 lbm/sk Poly E Flake, 5.13 Gal/sk fresh water Volume 1921 ft3

Cement calculations are used for volume estimation. Well conditions will dictate final cement job design.

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected.

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

SECTION – 5 Circulating Medium (Mud Program)

CLOSED-LOOP SYSTEM DESIGN PLAN

The closed-loop system will consist of a series of temporary above-ground storage tanks and/or haul-off bins suitable for holding the cuttings and fluids from drilling operations. The closed- loop system will not entail temporary pits, below-grade storage tanks, below-grade sumps, or drying pads.

Design considerations include:

- The closed-loop system will be signed in accordance with 19.15.17.11 NMAC.
- The closed-loop system storage tanks will be of adequate volume to ensure confinement of all fluids and provide sufficient freeboard to prevent uncontrolled releases.
- Topsoil will be salvaged and stored for use in reclamation activities.

CLOSED-LOOP SYSTEM OPERATING & MAINTENANCE PLAN

The closed-loop system will be operated and maintained to contain liquids and solids; minimize the amount of drilling fluids and cuttings that require disposal; maximize the amount of drilling fluid recycled and reused in the drilling process; isolate drilling wastes from the environment; prevent contamination of fresh water; and protect public health and the environment.

Operation and maintenance considerations include:

- Fluid levels will be maintained to provide sufficient freeboard to prevent over-topping.
- Visual inspections will be conducted on a daily basis to identify any potential leaks and to ensure that the closed-loop system storage tanks have sufficient freeboard to prevent over-topping.
- Only drilling fluids or cuttings intrinsic to, used by, or generated from, drilling operations will be stored in the closed-loop system storage tanks. Hazardous waste, miscellaneous solid waste, and/or debris will not be stored in the storage tanks.
- The OCD District Office will be notified within 48 hours of discovery of a leak in the closed-loop drilling system. If a leak is discovered, all liquid will be removed within 48 hours and the damage repaired.

CLOSED-LOOP SYSTEM CLOSURE PLAN

The closed-loop system will be closed in accordance with 19.15.17.13 NMAC. Closure

considerations include:

- Drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical.
- Residual fluids will be pulled from the storage tanks, mixed with saw dust or similar absorbent material, and disposed of at Industrial Envirotech, Inc. waste disposal facilities.
- Remaining cuttings or sludges will be vacuumed from the storage tanks and disposed of at the Envirotech, Inc and/or Industrial Ecosystem, Inc. waste disposal facilities.
- Storage tanks will be removed from the well location during the rig move.
- The well pad will be reclaimed and seeded in accordance with subsections G, Hand I of 19.15.17.13NMAC.

Mud Tables

Interval (MD)	Hole Section	Hole Size	Type	MW	FL	PV	YP	PH	REMARKS
0'-320'	Surface	20"	FW/Gel	8.4	NC	8	12	9.0	Spud Mud
320'-6,400'	Intermediate	14 ¾" x 10 5/8"	LSND	8.6-9.0	<8	4-6	12-15	10.0	Fresh Water
6,400'-17,232'	Production	7-7/8"	OBM	9.0-12.0	<8	14-20	8-14	11.0	OBM

Contingency

Interval (MD)	Hole Section	Hole Size	Type	MW	FL	PV	YP	PH	REMARKS
320'-3,800'	Intermediate 1	14 3/4 "	LSND	8.6-9.0	<8	4-6	12-15	10.0	Fresh Water
3,800'-6,400'	Intermediate 2	10-5/8"	AIR	NC	NC	NC	NC	NC	

Sufficient weighting material will be on hand to weight mud up to 1 PPG over, if required.

The formula for weight up with barite is listed below:
Sacks of Barite per 100 bbl of mud = 1470 x (W2 – W1) ÷ (35 – W2)

Where; W1 = current mud weight

W2 = new mud weight

Sacks = 1470 x (10 – 9)/ (35-10) = 59 sx * 5 (500bbls minimum) = 294sx

Pason Pit Volume Totalizer (PVT) equipment (or equilvant) will be on each pit to monitor pit levels. A trip tank equipped with a Pason PVT will be used to monitor trip volumes.

A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals, including fresh water and oil-based operations. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of as outlined is surface use plane location will be lined in accordance with the Surface Use Plan of Operations.

SECTION – 6 Test, Logging & Coring

Testing: None planned.

Logging:

Triple Combo – 8-5/8" Intermediate shoe to Pilot Hole TD

Azimuthal and Radial GR – Drilling curve and lateral

Quad combo – KOP to lateral TD

Mud Logging:

Geologist & a manned mud-logging unit will be operational @ +/- 3,000' to TD of pilot and lateral.

Gas detecting equipment shall be installed in the mud return system for exploratory wells and hydrocarbon gas shall be monitored for pore pressue changes from base of surface casing to TD.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume.

Coring: None

Cement Bond Log:

BP will run a cement bond log (CBL) if cement returns are not observed on the surface and first intermediate casing strings. The CBL will confirm the quality of cement and the actual top of cement.

SECTION – 7 Pressure

Normal to subnormal pressure gradient to TD.

MASP and casing design parameters determined using 0.43 psi/ft.

Maximum expected BHP @ 7150' TVD: 3,075 psi

Maximum expected BHT @ 7150' TVD: ~200^{0} F

Possible lost circulation in the Fruitland Coal to Mesa Verde (~3,000' to 5,000'). Lost circulation has been successfully mitigated with lost circulation materials in concentrations of up to 30% by volume. Intermediate casing will be set through this interval to +/- 6,400'.

No hydrogen sulfide gas is anticipated, however, if H_2S is encountered, the guidelines in Onshore Order No. 6 will be followed.

Directional Plans: Horizontal directional well, directional plans attached. Lateral KOP subject to change based on OH logs evaluation.

Completion:

- **Pressure test**
  - Pressure test production casing to allowable frac pressure or as per BLM requirements
- **Stimulation**
  - well will be stimulated with approximately 35,000,000 pound of proppant in 775,000 bbls of water; the number of stages and the amount of proppant will be adjusted based on the petrophysical properties of the target zone
  - stages will be isolated with plugs
  - plugs will be drilled out
  - flowback well
- **Turn well to production**
  - It is intended to produce the well up the casing, without installing tubing, for at least 60 days or until tubing is needed to unload the well

Timing: BP plans to drill this well in June, 2017
It is anticipated that the drilling of this well will take approximately 30 days.

It is anticipated that completion operations will begin immediately after the well has been drilled depending on stimulation company availability.

bp

Company: B.P.
Project: San Juan County, NM NAD83
Site: NEBU 604 Pad
Well: NEBU 604 COM 2H
Wellbore: Lateral
Design: Plan #2

PROJECT DETAILS: San J County, NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Local North: Grid

Scientific Drilling

Azimuths to Grid North
True North: -0.18°
Magnetic North: 8.97°

Magnetic Field
Strength: 50150.5snT
Dip Angle: 63.55°
Date: 7/21/2016
Model: HDGM

WELL DETAILS: NEBU 604 COM 2H

GL 6500' & RKB 25' @ 6525.00usft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	2147644.56	2812001.96	36.9015838	-107.5292464

Plan: Plan #2 (NEBU 604 COM 2H/Lateral)

Created By: Janie Collins Date: 16:16, January 18 2017

DESIGN TARGET DETAILS

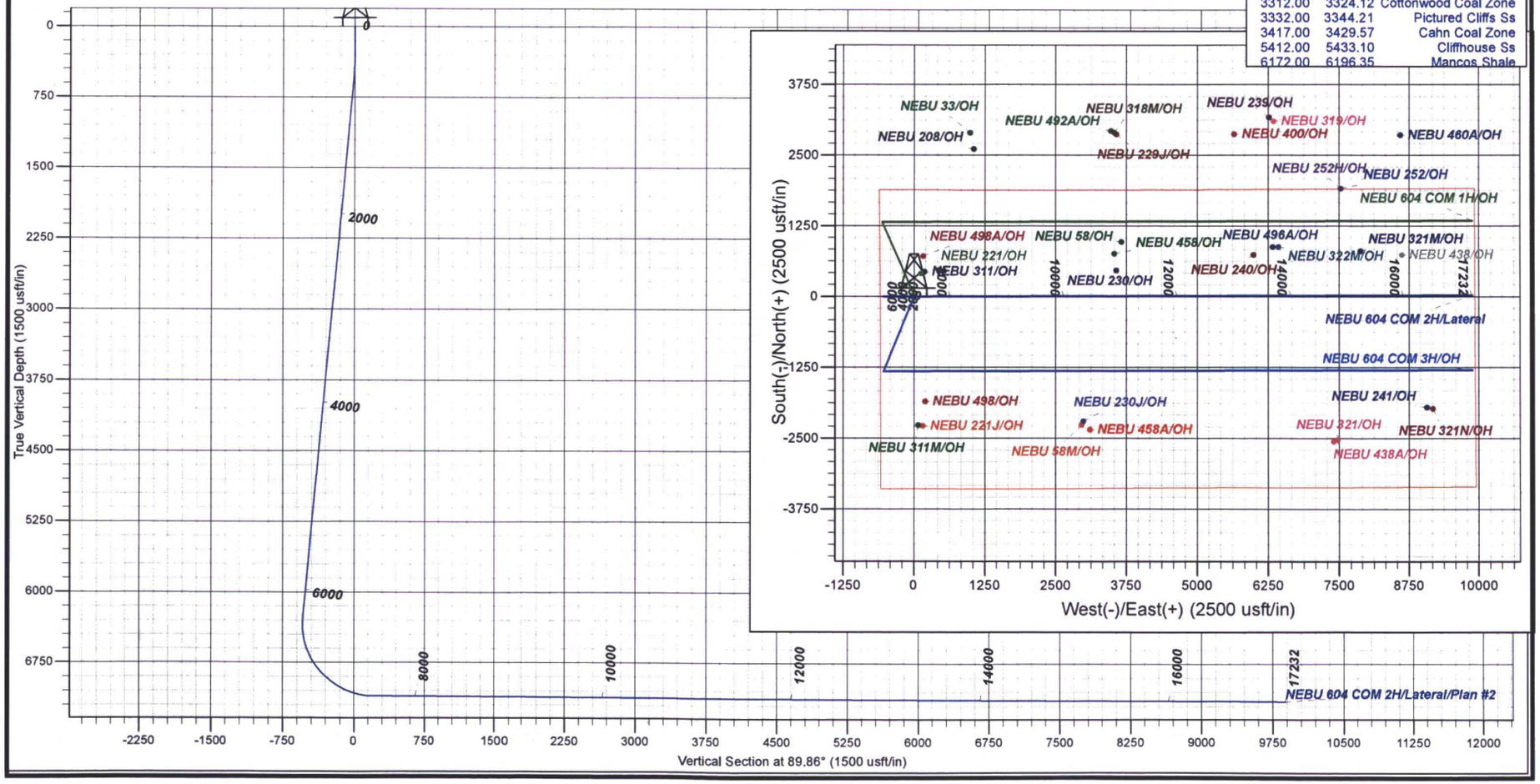
Name	TVD	+N/-S	+E/-W	Northing	Easting
NEBU 604 2H PBHL	7150.00	24.27	9881.20	2147668.83	2821883.16
NEBU 604 2H LP	7110.00	0.53	215.83	2147645.09	2812217.79

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Ta
6314.90	4.20	270.06	6290.09	0.52	-541.69	0.00	0.00	-541.69	
7567.76	89.76	89.87	7110.00	2.43	217.04	7.50	179.81	217.04	
17232.03	89.76	89.87	7150.00	24.27	9881.20	0.00	0.00	9881.23	NEBU 604 2H PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
25.00	25.00	San Jose Ss
2382.00	2390.15	Ojo Alamo Ss
2502.00	2510.66	Kirtland
2997.00	3007.78	Fruitland
3192.00	3203.61	Lemon Coal Zone
3237.00	3248.80	Ignacio Coal Zone
3312.00	3324.12	Cottonwood Coal Zone
3332.00	3344.21	Pictured Cliffs Ss
3417.00	3429.57	Cahn Coal Zone
5412.00	5433.10	Cliffhouse Ss
6172.00	6196.35	Mancos Shale



bp

B.P.

San Juan County, NM NAD83
NEBU 604 Pad
NEBU 604 COM 2H

Lateral

Plan: Plan #2

Standard Planning Report

07 September, 2016

Scientific Drilling

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

Project San Juan County, NM NAD83

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site NEBU 604 Pad

Site Position:		**Northing:**	2,147,663.38 usft	**Latitude:**	36.9016354
From:	Map	**Easting:**	2,812,008.74 usft	**Longitude:**	-107.5292230
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.18 °

Well NEBU 604 COM 2H

Well Position	**+N/-S**	-18.82 usft	**Northing:**	2,147,644.56 usft	**Latitude:**	36.9015837
	+E/-W	-6.78 usft	**Easting:**	2,812,001.96 usft	**Longitude:**	-107.5292464
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	6,500.00 usft

Wellbore Lateral

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	7/21/2016	9.15	63.55	50,151

Design Plan #2

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	6,314.90

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.86

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
6,314.90	4.20	270.06	6,290.09	0.52	-541.69	0.00	0.00	0.00	0.00	
7,567.76	89.76	89.87	7,110.00	2.43	217.04	7.50	6.83	14.35	179.81	
17,232.03	89.76	89.87	7,150.00	24.27	9,881.20	0.00	0.00	0.00	0.00	NEBU 604 2H PBHL

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,314.90	4.20	270.06	6,290.09	0.52	-541.69	-541.69	0.00	0.00	0.00
6,400.00	2.18	89.51	6,375.13	0.54	-543.19	-543.19	7.50	-2.38	210.88
6,500.00	9.68	89.79	6,474.53	0.59	-532.86	-532.86	7.50	7.50	0.28
6,600.00	17.18	89.83	6,571.72	0.66	-509.65	-509.65	7.50	7.50	0.04
6,700.00	24.68	89.84	6,665.06	0.76	-473.96	-473.95	7.50	7.50	0.01
6,800.00	32.18	89.85	6,752.94	0.89	-426.38	-426.38	7.50	7.50	0.01
6,900.00	39.68	89.85	6,833.85	1.04	-367.74	-367.74	7.50	7.50	0.01
7,000.00	47.18	89.86	6,906.42	1.22	-299.04	-299.04	7.50	7.50	0.00
7,100.00	54.68	89.86	6,969.40	1.41	-221.46	-221.46	7.50	7.50	0.00
7,200.00	62.18	89.86	7,021.72	1.61	-136.32	-136.32	7.50	7.50	0.00
7,300.00	69.68	89.87	7,062.47	1.83	-45.08	-45.08	7.50	7.50	0.00
7,400.00	77.18	89.87	7,090.97	2.05	50.70	50.70	7.50	7.50	0.00
7,500.00	84.68	89.87	7,106.72	2.28	149.38	149.38	7.50	7.50	0.00
7,566.55	89.67	89.87	7,110.00	2.43	215.83	215.83	7.50	7.50	0.00
NEBU 604 2H LP									
7,567.76	89.76	89.87	7,110.00	2.43	217.04	217.04	7.50	7.50	0.00
7,600.00	89.76	89.87	7,110.14	2.50	249.27	249.28	0.00	0.00	0.00
7,700.00	89.76	89.87	7,110.55	2.73	349.27	349.28	0.00	0.00	0.00
7,800.00	89.76	89.87	7,110.97	2.96	449.27	449.28	0.00	0.00	0.00
7,900.00	89.76	89.87	7,111.38	3.18	549.27	549.28	0.00	0.00	0.00
8,000.00	89.76	89.87	7,111.79	3.41	649.27	649.27	0.00	0.00	0.00
8,100.00	89.76	89.87	7,112.21	3.63	749.27	749.27	0.00	0.00	0.00
8,200.00	89.76	89.87	7,112.62	3.86	849.27	849.27	0.00	0.00	0.00
8,300.00	89.76	89.87	7,113.03	4.09	949.26	949.27	0.00	0.00	0.00
8,400.00	89.76	89.87	7,113.45	4.31	1,049.26	1,049.27	0.00	0.00	0.00
8,500.00	89.76	89.87	7,113.86	4.54	1,149.26	1,149.27	0.00	0.00	0.00
8,600.00	89.76	89.87	7,114.28	4.76	1,249.26	1,249.27	0.00	0.00	0.00
8,700.00	89.76	89.87	7,114.69	4.99	1,349.26	1,349.27	0.00	0.00	0.00
8,800.00	89.76	89.87	7,115.10	5.22	1,449.26	1,449.27	0.00	0.00	0.00
8,900.00	89.76	89.87	7,115.52	5.44	1,549.26	1,549.27	0.00	0.00	0.00
9,000.00	89.76	89.87	7,115.93	5.67	1,649.26	1,649.27	0.00	0.00	0.00
9,100.00	89.76	89.87	7,116.35	5.89	1,749.26	1,749.27	0.00	0.00	0.00
9,200.00	89.76	89.87	7,116.76	6.12	1,849.25	1,849.26	0.00	0.00	0.00
9,300.00	89.76	89.87	7,117.17	6.35	1,949.25	1,949.26	0.00	0.00	0.00
9,400.00	89.76	89.87	7,117.59	6.57	2,049.25	2,049.26	0.00	0.00	0.00
9,500.00	89.76	89.87	7,118.00	6.80	2,149.25	2,149.26	0.00	0.00	0.00
9,600.00	89.76	89.87	7,118.41	7.02	2,249.25	2,249.26	0.00	0.00	0.00
9,700.00	89.76	89.87	7,118.83	7.25	2,349.25	2,349.26	0.00	0.00	0.00
9,800.00	89.76	89.87	7,119.24	7.48	2,449.25	2,449.26	0.00	0.00	0.00
9,900.00	89.76	89.87	7,119.66	7.70	2,549.25	2,549.26	0.00	0.00	0.00
10,000.00	89.76	89.87	7,120.07	7.93	2,649.25	2,649.26	0.00	0.00	0.00
10,100.00	89.76	89.87	7,120.48	8.15	2,749.24	2,749.26	0.00	0.00	0.00
10,200.00	89.76	89.87	7,120.90	8.38	2,849.24	2,849.26	0.00	0.00	0.00
10,300.00	89.76	89.87	7,121.31	8.60	2,949.24	2,949.25	0.00	0.00	0.00
10,400.00	89.76	89.87	7,121.73	8.83	3,049.24	3,049.25	0.00	0.00	0.00
10,500.00	89.76	89.87	7,122.14	9.06	3,149.24	3,149.25	0.00	0.00	0.00
10,600.00	89.76	89.87	7,122.55	9.28	3,249.24	3,249.25	0.00	0.00	0.00
10,700.00	89.76	89.87	7,122.97	9.51	3,349.24	3,349.25	0.00	0.00	0.00
10,800.00	89.76	89.87	7,123.38	9.73	3,449.24	3,449.25	0.00	0.00	0.00
10,900.00	89.76	89.87	7,123.79	9.96	3,549.24	3,549.25	0.00	0.00	0.00
11,000.00	89.76	89.87	7,124.21	10.19	3,649.23	3,649.25	0.00	0.00	0.00
11,100.00	89.76	89.87	7,124.62	10.41	3,749.23	3,749.25	0.00	0.00	0.00
11,200.00	89.76	89.87	7,125.04	10.64	3,849.23	3,849.25	0.00	0.00	0.00
11,300.00	89.76	89.87	7,125.45	10.86	3,949.23	3,949.25	0.00	0.00	0.00

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,400.00	89.76	89.87	7,125.86	11.09	4,049.23	4,049.25	0.00	0.00	0.00
11,500.00	89.76	89.87	7,126.28	11.32	4,149.23	4,149.24	0.00	0.00	0.00
11,600.00	89.76	89.87	7,126.69	11.54	4,249.23	4,249.24	0.00	0.00	0.00
11,700.00	89.76	89.87	7,127.11	11.77	4,349.23	4,349.24	0.00	0.00	0.00
11,800.00	89.76	89.87	7,127.52	11.99	4,449.23	4,449.24	0.00	0.00	0.00
11,900.00	89.76	89.87	7,127.93	12.22	4,549.22	4,549.24	0.00	0.00	0.00
12,000.00	89.76	89.87	7,128.35	12.45	4,649.22	4,649.24	0.00	0.00	0.00
12,100.00	89.76	89.87	7,128.76	12.67	4,749.22	4,749.24	0.00	0.00	0.00
12,200.00	89.76	89.87	7,129.18	12.90	4,849.22	4,849.24	0.00	0.00	0.00
12,300.00	89.76	89.87	7,129.59	13.12	4,949.22	4,949.24	0.00	0.00	0.00
12,400.00	89.76	89.87	7,130.00	13.35	5,049.22	5,049.24	0.00	0.00	0.00
12,500.00	89.76	89.87	7,130.42	13.58	5,149.22	5,149.24	0.00	0.00	0.00
12,600.00	89.76	89.87	7,130.83	13.80	5,249.22	5,249.24	0.00	0.00	0.00
12,700.00	89.76	89.87	7,131.24	14.03	5,349.22	5,349.23	0.00	0.00	0.00
12,800.00	89.76	89.87	7,131.66	14.25	5,449.21	5,449.23	0.00	0.00	0.00
12,900.00	89.76	89.87	7,132.07	14.48	5,549.21	5,549.23	0.00	0.00	0.00
13,000.00	89.76	89.87	7,132.49	14.71	5,649.21	5,649.23	0.00	0.00	0.00
13,100.00	89.76	89.87	7,132.90	14.93	5,749.21	5,749.23	0.00	0.00	0.00
13,200.00	89.76	89.87	7,133.31	15.16	5,849.21	5,849.23	0.00	0.00	0.00
13,300.00	89.76	89.87	7,133.73	15.38	5,949.21	5,949.23	0.00	0.00	0.00
13,400.00	89.76	89.87	7,134.14	15.61	6,049.21	6,049.23	0.00	0.00	0.00
13,500.00	89.76	89.87	7,134.56	15.84	6,149.21	6,149.23	0.00	0.00	0.00
13,600.00	89.76	89.87	7,134.97	16.06	6,249.21	6,249.23	0.00	0.00	0.00
13,700.00	89.76	89.87	7,135.38	16.29	6,349.21	6,349.23	0.00	0.00	0.00
13,800.00	89.76	89.87	7,135.80	16.51	6,449.20	6,449.23	0.00	0.00	0.00
13,900.00	89.76	89.87	7,136.21	16.74	6,549.20	6,549.22	0.00	0.00	0.00
14,000.00	89.76	89.87	7,136.62	16.97	6,649.20	6,649.22	0.00	0.00	0.00
14,100.00	89.76	89.87	7,137.04	17.19	6,749.20	6,749.22	0.00	0.00	0.00
14,200.00	89.76	89.87	7,137.45	17.42	6,849.20	6,849.22	0.00	0.00	0.00
14,300.00	89.76	89.87	7,137.87	17.64	6,949.20	6,949.22	0.00	0.00	0.00
14,400.00	89.76	89.87	7,138.28	17.87	7,049.20	7,049.22	0.00	0.00	0.00
14,500.00	89.76	89.87	7,138.69	18.10	7,149.20	7,149.22	0.00	0.00	0.00
14,600.00	89.76	89.87	7,139.11	18.32	7,249.20	7,249.22	0.00	0.00	0.00
14,700.00	89.76	89.87	7,139.52	18.55	7,349.19	7,349.22	0.00	0.00	0.00
14,800.00	89.76	89.87	7,139.94	18.77	7,449.19	7,449.22	0.00	0.00	0.00
14,900.00	89.76	89.87	7,140.35	19.00	7,549.19	7,549.22	0.00	0.00	0.00
15,000.00	89.76	89.87	7,140.76	19.23	7,649.19	7,649.21	0.00	0.00	0.00
15,100.00	89.76	89.87	7,141.18	19.45	7,749.19	7,749.21	0.00	0.00	0.00
15,200.00	89.76	89.87	7,141.59	19.68	7,849.19	7,849.21	0.00	0.00	0.00
15,300.00	89.76	89.87	7,142.00	19.90	7,949.19	7,949.21	0.00	0.00	0.00
15,400.00	89.76	89.87	7,142.42	20.13	8,049.19	8,049.21	0.00	0.00	0.00
15,500.00	89.76	89.87	7,142.83	20.36	8,149.19	8,149.21	0.00	0.00	0.00
15,600.00	89.76	89.87	7,143.25	20.58	8,249.18	8,249.21	0.00	0.00	0.00
15,700.00	89.76	89.87	7,143.66	20.81	8,349.18	8,349.21	0.00	0.00	0.00
15,800.00	89.76	89.87	7,144.07	21.03	8,449.18	8,449.21	0.00	0.00	0.00
15,900.00	89.76	89.87	7,144.49	21.26	8,549.18	8,549.21	0.00	0.00	0.00
16,000.00	89.76	89.87	7,144.90	21.49	8,649.18	8,649.21	0.00	0.00	0.00
16,100.00	89.76	89.87	7,145.32	21.71	8,749.18	8,749.21	0.00	0.00	0.00
16,200.00	89.76	89.87	7,145.73	21.94	8,849.18	8,849.20	0.00	0.00	0.00
16,300.00	89.76	89.87	7,146.14	22.16	8,949.18	8,949.20	0.00	0.00	0.00
16,400.00	89.76	89.87	7,146.56	22.39	9,049.18	9,049.20	0.00	0.00	0.00
16,500.00	89.76	89.87	7,146.97	22.62	9,149.17	9,149.20	0.00	0.00	0.00
16,600.00	89.76	89.87	7,147.38	22.84	9,249.17	9,249.20	0.00	0.00	0.00
16,700.00	89.76	89.87	7,147.80	23.07	9,349.17	9,349.20	0.00	0.00	0.00

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,800.00	89.76	89.87	7,148.21	23.29	9,449.17	9,449.20	0.00	0.00	0.00
16,900.00	89.76	89.87	7,148.63	23.52	9,549.17	9,549.20	0.00	0.00	0.00
17,000.00	89.76	89.87	7,149.04	23.75	9,649.17	9,649.20	0.00	0.00	0.00
17,100.00	89.76	89.87	7,149.45	23.97	9,749.17	9,749.20	0.00	0.00	0.00
17,200.00	89.76	89.87	7,149.87	24.20	9,849.17	9,849.20	0.00	0.00	0.00
17,232.03	89.76	89.87	7,150.00	24.27	9,881.20	9,881.23	0.00	0.00	0.00
NEBU 604 2H PBHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NEBU 604 2H LP	0.00	0.00	7,110.00	0.53	215.83	2,147,645.09	2,812,217.79	36.9015833	-107.5285082
- plan misses target center by 1.90usft at 7566.55usft MD (7110.00 TVD, 2.43 N, 215.83 E)									
- Point									
NEBU 604 2H PBHL	0.00	0.00	7,150.00	24.27	9,881.20	2,147,668.83	2,821,883.16	36.9015591	-107.4954514
- plan hits target center									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
25.00	25.00	San Jose Ss		0.00	0.00
2,390.15	2,382.00	Ojo Alamo Ss		0.00	0.00
2,510.66	2,502.00	Kirtland		0.00	0.00
3,007.78	2,997.00	Fruitland		0.00	0.00
3,203.61	3,192.00	Lemon Coal Zone		0.00	0.00
3,248.80	3,237.00	Ignacio Coal Zone		0.00	0.00
3,324.12	3,312.00	Cottonwood Coal Zone		0.00	0.00
3,344.21	3,332.00	Pictured Cliffs Ss		0.00	0.00
3,429.57	3,417.00	Cahn Coal Zone		0.00	0.00
5,433.10	5,412.00	Cliffhouse Ss		0.00	0.00
6,196.35	6,172.00	Mancos Shale		0.00	0.00

B.P.

San Juan County, NM NAD83
NEBU 604 Pad
NEBU 604 COM 2H

Lateral
Plan #2

Anticollision Report

07 September, 2016

Scientific Drilling

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 30,000.00 usft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 9/7/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	6,314.90	Plan #1 (Pilot)	Gyro	
6,314.90	17,231.67	Plan #2 (Lateral)	Gyro	

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NEBU 604 Pad						
NEBU 208 - OH - OH	300.00	325.56	2,813.17	2,802.15	255.219	CC
NEBU 208 - OH - OH	2,600.00	2,616.52	2,893.90	2,791.32	28.211	ES
NEBU 208 - OH - OH	3,700.00	3,675.00	2,939.45	2,794.58	20.290	SF
NEBU 221 - OH - OH	100.00	84.17	429.01	427.33	254.813	CC, ES
NEBU 221 - OH - OH	200.00	100.00	437.19	435.19	218.573	SF
NEBU 221J - OH - OH	300.00	254.80	2,289.44	2,281.25	279.466	CC
NEBU 221J - OH - OH	3,700.00	3,634.00	2,330.10	2,186.76	16.256	ES, SF
NEBU 229J - OH - OH	3,700.00	3,680.00	4,824.02	4,679.22	33.315	SF
NEBU 229J - OH - OH	10,921.88	3,680.00	4,476.27	4,383.60	48.307	CC, ES
NEBU 230 - OH - OH	100.00	98.12	3,603.81	3,601.85	1,836.241	CC, ES
NEBU 230 - OH - OH	200.00	100.00	3,605.15	3,603.15	1,802.395	SF
NEBU 230J - OH - OH	122.08	79.30	3,718.61	3,717.02	2,344.290	CC, ES
NEBU 230J - OH - OH	200.00	100.00	3,719.05	3,717.05	1,859.337	SF
NEBU 239 - OH - OH	13,606.34	3,675.00	4,675.57	4,577.68	47.763	CC, ES, SF
NEBU 240 - OH - OH	0.00	54.55	6,034.14			
NEBU 240 - OH - OH	100.00	100.00	6,034.39	6,032.39	3,016.893	ES, SF
NEBU 241 - OH - OH	16,405.65	3,550.00	3,988.73	3,919.36	57.501	CC, ES, SF
NEBU 252 - OH - OH	200.00	100.00	7,765.00	7,763.00	3,882.110	SF
NEBU 252 - OH - OH	14,852.24	100.00	7,245.51	7,244.99	10,000.000	CC, ES
NEBU 252H - OH - OH	200.00	100.00	7,764.97	7,762.97	3,882.098	SF
NEBU 252H - OH - OH	14,852.24	100.00	7,244.56	7,244.03	10,000.000	CC, ES
NEBU 311 - OH - OH	7,535.60	7,094.72	438.59	156.80	1.556	CC, ES, SF
NEBU 311M - OH - OH	300.00	255.69	2,273.02	2,264.79	276.261	CC
NEBU 311M - OH - OH	7,418.06	7,050.46	2,273.93	1,993.91	8.121	ES
NEBU 311M - OH - OH	7,500.00	7,062.41	2,275.37	1,994.87	8.112	SF
NEBU 318M - OH - OH	10,897.73	7,126.76	2,888.98	2,605.91	10.206	CC, ES
NEBU 318M - OH - OH	10,900.00	7,126.76	2,888.98	2,605.91	10.206	SF
NEBU 319 - OH - OH	13,697.83	7,123.95	3,087.78	2,804.83	10.913	CC, ES
NEBU 319 - OH - OH	13,700.00	7,123.96	3,087.79	2,804.83	10.912	SF
NEBU 321 - OH - OH	14,817.82	6,978.35	2,549.86	2,272.73	9.201	CC, ES, SF
NEBU 321M - OH - OH	15,236.36	7,038.45	788.88	509.34	2.822	CC, ES, SF
NEBU 321N - OH - OH	300.00	100.00	9,389.19	9,387.19	4,694.124	SF
NEBU 321N - OH - OH	16,496.86	100.00	7,197.11	7,196.55	10,000.000	CC, ES
NEBU 322M - OH - OH	13,780.19	7,198.36	861.16	575.23	3.012	CC, ES, SF
NEBU 33 - OH - OH	300.00	312.66	3,061.33	3,050.83	291.372	CC
NEBU 33 - OH - OH	5,900.00	5,885.00	3,259.16	3,025.97	13.976	SF

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NEBU 604 Pad						
NEBU 33 - OH - OH	8,343.50	5,885.00	3,147.14	2,932.65	14.673	ES
NEBU 400 - OH - OH	3,800.00	3,715.00	6,621.71	6,475.62	45.324	SF
NEBU 400 - OH - OH	12,996.42	3,715.00	4,465.04	4,371.07	47.515	CC, ES
NEBU 438 - OH - OH	3,500.00	3,382.00	8,936.44	8,803.73	67.335	SF
NEBU 438 - OH - OH	15,960.45	3,382.00	3,735.71	3,710.14	146.103	CC, ES
NEBU 438A - OH - OH	300.00	100.00	7,834.71	7,832.71	3,916.961	SF
NEBU 438A - OH - OH	14,721.01	100.00	7,343.12	7,342.41	10,000.000	CC, ES
NEBU 458 - OH - OH	300.00	288.35	3,619.14	3,609.60	379.595	CC
NEBU 458 - OH - OH	400.00	388.33	3,620.84	3,607.32	267.705	ES
NEBU 458 - OH - OH	3,500.00	3,441.00	3,896.12	3,761.04	28.842	SF
NEBU 458A - OH - OH	300.00	255.83	3,900.48	3,892.25	473.739	CC
NEBU 458A - OH - OH	400.00	355.81	3,901.88	3,889.65	319.098	ES
NEBU 458A - OH - OH	3,600.00	3,470.00	4,137.93	4,001.52	30.335	SF
NEBU 460A - OH - OH	200.00	100.00	9,056.91	9,054.91	4,528.000	SF
NEBU 460A - OH - OH	15,922.73	100.00	7,560.09	7,559.34	10,000.000	CC, ES
NEBU 492A - OH - OH	300.00	300.76	4,552.03	4,542.00	453.814	CC
NEBU 492A - OH - OH	400.00	400.74	4,553.36	4,539.33	324.665	ES
NEBU 492A - OH - OH	3,500.00	3,453.00	4,771.75	4,635.98	35.148	SF
NEBU 496A - OH - OH	3,600.00	3,615.00	6,678.71	6,536.71	47.032	SF
NEBU 496A - OH - OH	13,666.74	3,615.00	3,679.81	3,646.43	110.230	CC, ES
NEBU 498 - OH - OH	300.00	233.39	1,861.94	1,854.60	253.815	CC
NEBU 498 - OH - OH	3,400.00	3,320.95	1,910.97	1,780.16	14.609	ES
NEBU 498 - OH - OH	3,500.00	3,385.00	1,913.61	1,780.24	14.349	SF
NEBU 498A - OH - OH	300.00	297.72	737.25	727.34	74.402	CC
NEBU 498A - OH - OH	2,400.00	2,389.53	797.01	703.51	8.523	ES
NEBU 498A - OH - OH	3,600.00	3,520.00	852.99	714.35	6.153	SF
NEBU 58 - OH - OH	11,016.02	7,125.59	958.37	675.35	3.386	CC, ES, SF
NEBU 58M - OH - OH	10,307.90	7,079.18	2,271.63	1,990.46	8.079	CC, ES, SF
NEBU 604 COM 1H - OH - Plan #2	300.00	300.00	20.00	19.47	37.459	CC, ES
NEBU 604 COM 1H - OH - Plan #2	17,232.03	17,430.36	1,320.00	1,004.11	4.179	SF
NEBU 604 COM 2H - Pilot - Plan #1						Out of range
NEBU 604 COM 2H - Pilot - Plan #1	6,314.90	6,314.90	0.09	0.09	10,000.000	CC, ES
NEBU 604 COM 3H - OH - Plan #2	496.87	496.72	18.82	17.84	19.276	CC
NEBU 604 COM 3H - OH - Plan #2	500.00	499.84	18.82	17.83	19.140	ES
NEBU 604 COM 3H - OH - Plan #2	17,232.03	17,404.05	1,320.01	1,063.76	5.151	SF
NEBU 604 COM 4H - Lateral - Plan #1	1,547.39	1,546.75	32.31	28.87	9.403	CC, ES
NEBU 604 COM 4H - Lateral - Plan #1	16,547.57	16,556.24	348.67	54.61	1.186	Shut In Offsets, SF
NEBU 604 COM 5H - OH - Plan #1	652.21	648.46	56.46	55.14	42.862	CC, ES
NEBU 604 COM 5H - OH - Plan #1	16,548.38	16,720.68	363.55	155.55	1.748	SF
NEBU 604 COM 6H - OH - Plan #1	725.57	721.51	75.29	73.80	50.820	CC, ES
NEBU 604 COM 6H - OH - Plan #1	16,600.00	16,636.27	971.69	731.96	4.053	SF
NEBU 604 COM 7H - OH - Plan #1	799.05	794.67	94.11	92.47	57.181	CC
NEBU 604 COM 7H - OH - Plan #1	800.00	795.62	94.11	92.46	57.107	ES
NEBU 604 COM 7H - OH - Plan #1	16,600.00	16,969.28	1,642.86	1,404.93	6.905	SF
NEBU 604 COM 8H - OH - Plan #1	817.08	812.16	113.07	111.39	67.230	CC, ES
NEBU 604 COM 8H - OH - Plan #1	16,600.00	17,048.46	2,291.49	2,051.70	9.556	SF

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	25.56	0.00	0.00	0.51	22.04	2,607.63	1,055.56	2,813.17				
100.00	100.00	125.56	100.00	0.00	3.02	22.04	2,607.63	1,055.56	2,813.17	2,810.15	3.02	930.713	
200.00	200.00	225.56	200.00	0.00	7.02	22.04	2,607.63	1,055.56	2,813.17	2,806.15	7.02	400.588	
300.00	300.00	325.56	300.00	0.00	11.02	22.04	2,607.63	1,055.56	2,813.17	2,802.15	11.02	255.219	CC
400.00	399.98	425.54	399.98	0.00	15.02	112.00	2,607.63	1,055.56	2,813.83	2,798.81	15.02	187.332	
500.00	499.84	525.40	499.84	0.00	19.02	112.07	2,607.63	1,055.56	2,815.79	2,796.78	19.01	148.125	
600.00	599.47	625.03	599.47	0.00	23.00	112.19	2,607.63	1,055.56	2,819.00	2,796.01	22.99	122.631	
700.00	699.05	724.61	699.05	0.00	26.98	112.36	2,607.63	1,055.56	2,822.51	2,795.54	26.97	104.662	
800.00	798.62	824.18	798.62	0.00	30.97	112.53	2,607.63	1,055.56	2,826.04	2,795.09	30.95	91.315	
900.00	898.20	923.76	898.20	0.00	34.95	112.71	2,607.63	1,055.56	2,829.60	2,794.67	34.93	81.012	
1,000.00	997.77	1,023.33	997.77	0.00	38.93	112.88	2,607.63	1,055.56	2,833.18	2,794.27	38.91	72.817	
1,100.00	1,097.35	1,122.91	1,097.35	0.00	42.92	113.05	2,607.63	1,055.56	2,836.79	2,793.90	42.89	66.143	
1,200.00	1,196.92	1,222.48	1,196.92	0.00	46.90	113.22	2,607.63	1,055.56	2,840.42	2,793.56	46.87	60.604	
1,300.00	1,296.49	1,322.05	1,296.49	0.00	50.88	113.39	2,607.63	1,055.56	2,844.08	2,793.23	50.85	55.933	
1,400.00	1,396.07	1,421.63	1,396.07	0.00	54.87	113.56	2,607.63	1,055.56	2,847.77	2,792.94	54.83	51.940	
1,500.00	1,495.64	1,521.20	1,495.64	0.00	58.85	113.73	2,607.63	1,055.56	2,851.48	2,792.67	58.81	48.488	
1,600.00	1,595.22	1,620.78	1,595.22	0.00	62.83	113.90	2,607.63	1,055.56	2,855.21	2,792.42	62.79	45.474	
1,700.00	1,694.79	1,720.35	1,694.79	0.00	66.81	114.06	2,607.63	1,055.56	2,858.97	2,792.20	66.77	42.820	
1,800.00	1,794.37	1,819.93	1,794.37	0.00	70.80	114.23	2,607.63	1,055.56	2,862.75	2,792.01	70.75	40.465	
1,900.00	1,893.94	1,919.50	1,893.94	0.00	74.78	114.40	2,607.63	1,055.56	2,866.56	2,791.84	74.73	38.361	
2,000.00	1,993.51	2,019.07	1,993.51	0.00	78.76	114.57	2,607.63	1,055.56	2,870.40	2,791.69	78.71	36.470	
2,100.00	2,093.09	2,118.65	2,093.09	0.00	82.75	114.73	2,607.63	1,055.56	2,874.25	2,791.57	82.68	34.762	
2,200.00	2,192.66	2,218.22	2,192.66	0.00	86.73	114.90	2,607.63	1,055.56	2,878.14	2,791.47	86.66	33.210	
2,300.00	2,292.24	2,317.80	2,292.24	0.00	90.71	115.06	2,607.63	1,055.56	2,882.04	2,791.40	90.64	31.796	
2,400.00	2,391.81	2,417.37	2,391.81	0.00	94.69	115.23	2,607.63	1,055.56	2,885.97	2,791.35	94.62	30.500	
2,500.00	2,491.39	2,516.95	2,491.39	0.00	98.68	115.39	2,607.63	1,055.56	2,889.93	2,791.32	98.60	29.309	
2,600.00	2,590.96	2,616.52	2,590.96	0.00	102.66	115.56	2,607.63	1,055.56	2,893.90	2,791.32	102.58	28.211	ES
2,700.00	2,690.53	2,716.09	2,690.53	0.00	106.64	115.72	2,607.63	1,055.56	2,897.91	2,791.35	106.56	27.195	
2,800.00	2,790.11	2,815.67	2,790.11	0.00	110.63	115.89	2,607.63	1,055.56	2,901.93	2,791.39	110.54	26.253	
2,900.00	2,889.68	2,915.24	2,889.68	0.00	114.61	116.05	2,607.63	1,055.56	2,905.98	2,791.47	114.52	25.376	
3,000.00	2,989.26	3,014.82	2,989.26	0.00	118.59	116.21	2,607.63	1,055.56	2,910.05	2,791.56	118.49	24.559	
3,100.00	3,088.83	3,114.39	3,088.83	0.00	122.58	116.37	2,607.63	1,055.56	2,914.15	2,791.68	122.47	23.794	
3,200.00	3,188.41	3,213.97	3,188.41	0.00	126.56	116.53	2,607.63	1,055.56	2,918.27	2,791.82	126.45	23.078	
3,300.00	3,287.98	3,313.54	3,287.98	0.00	130.54	116.70	2,607.63	1,055.56	2,922.41	2,791.98	130.43	22.406	
3,400.00	3,387.56	3,413.12	3,387.56	0.00	134.52	116.86	2,607.63	1,055.56	2,926.58	2,792.17	134.41	21.774	
3,500.00	3,487.13	3,512.69	3,487.13	0.00	138.51	117.02	2,607.63	1,055.56	2,930.77	2,792.38	138.39	21.178	
3,600.00	3,586.70	3,612.26	3,586.70	0.00	142.49	117.18	2,607.63	1,055.56	2,934.98	2,792.62	142.36	20.616	
3,700.00	3,686.28	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,939.45	2,794.58	144.87	20.290	SF
3,800.00	3,785.85	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,946.63	2,801.76	144.87	20.340	
3,900.00	3,885.43	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,957.19	2,812.32	144.87	20.413	
4,000.00	3,985.00	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,971.07	2,826.20	144.87	20.508	
4,100.00	4,084.58	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,988.24	2,843.37	144.87	20.627	
4,200.00	4,184.15	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,008.63	2,863.76	144.87	20.768	
4,300.00	4,283.72	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,032.19	2,887.32	144.87	20.930	
4,400.00	4,383.30	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,058.83	2,913.96	144.87	21.114	
4,500.00	4,482.87	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,088.49	2,943.62	144.87	21.319	
4,600.00	4,582.45	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,121.07	2,976.20	144.87	21.544	
4,700.00	4,682.02	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,156.48	3,011.61	144.87	21.788	
4,800.00	4,781.60	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,194.63	3,049.76	144.87	22.052	
4,900.00	4,881.17	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,235.42	3,090.55	144.87	22.333	
5,000.00	4,980.74	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,278.76	3,133.89	144.87	22.632	
5,100.00	5,080.32	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,324.54	3,179.67	144.87	22.948	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,372.66	3,227.79	144.87	23.280	
5,300.00	5,279.47	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,423.03	3,278.16	144.87	23.628	
5,400.00	5,379.04	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,475.55	3,330.68	144.87	23.991	
5,500.00	5,478.62	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,530.12	3,385.25	144.87	24.367	
5,600.00	5,578.19	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,586.65	3,441.78	144.87	24.758	
5,700.00	5,677.77	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,645.04	3,500.17	144.87	25.161	
5,800.00	5,777.34	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,705.22	3,560.35	144.87	25.576	
5,900.00	5,876.91	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,767.09	3,622.22	144.87	26.003	
6,000.00	5,976.49	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,830.57	3,685.70	144.87	26.441	
6,100.00	6,076.06	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,895.58	3,750.71	144.87	26.890	
6,200.00	6,175.64	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,962.05	3,817.18	144.87	27.349	
6,300.00	6,275.24	3,675.00	3,649.44	0.00	145.00	117.93	2,607.63	1,055.56	4,029.82	3,884.91	144.90	27.811	
6,400.00	6,375.13	3,675.00	3,649.44	0.00	145.00	-56.40	2,607.63	1,055.56	4,096.62	3,951.66	144.97	28.259	
6,500.00	6,474.53	3,675.00	3,649.44	0.00	145.00	-51.76	2,607.63	1,055.56	4,159.43	4,015.22	144.21	28.842	
6,600.00	6,571.72	3,675.00	3,649.44	0.00	145.00	-47.72	2,607.63	1,055.56	4,217.34	4,075.23	142.11	29.677	
6,700.00	6,665.06	3,675.00	3,649.44	0.00	145.00	-44.42	2,607.63	1,055.56	4,269.56	4,131.16	138.40	30.849	
6,800.00	6,752.94	3,675.00	3,649.44	0.00	145.00	-41.78	2,607.63	1,055.56	4,315.43	4,182.35	133.07	32.429	
6,900.00	6,833.85	3,675.00	3,649.44	0.00	145.00	-39.71	2,607.63	1,055.56	4,354.37	4,228.07	126.30	34.475	
7,000.00	6,906.42	3,675.00	3,649.44	0.00	145.00	-38.15	2,607.63	1,055.56	4,385.92	4,267.47	118.44	37.029	
7,100.00	6,969.40	3,675.00	3,649.44	0.00	145.00	-37.03	2,607.63	1,055.56	4,409.69	4,299.67	110.02	40.082	
7,200.00	7,021.72	3,675.00	3,649.44	0.00	145.00	-36.32	2,607.63	1,055.56	4,425.40	4,323.68	101.72	43.504	
7,300.00	7,062.47	3,675.00	3,649.44	0.00	145.00	-35.99	2,607.63	1,055.56	4,432.88	4,338.44	94.44	46.939	
7,400.00	7,090.97	3,675.00	3,649.44	0.00	145.00	-36.02	2,607.63	1,055.56	4,432.03	4,342.88	89.16	49.710	
7,500.00	7,106.72	3,675.00	3,649.44	0.00	145.00	-36.43	2,607.63	1,055.56	4,422.88	4,336.09	86.79	50.963	
7,600.00	7,110.14	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,406.04	4,318.93	87.11	50.578	
7,700.00	7,110.55	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,389.04	4,301.92	87.11	50.382	
7,800.00	7,110.97	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,374.25	4,287.14	87.11	50.213	
7,900.00	7,111.38	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,361.71	4,274.59	87.11	50.069	
8,000.00	7,111.79	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,351.43	4,264.32	87.11	49.951	
8,100.00	7,112.21	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,343.43	4,256.31	87.11	49.859	
8,200.00	7,112.62	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,337.72	4,250.60	87.11	49.793	
8,300.00	7,113.03	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,334.31	4,247.19	87.11	49.754	
8,397.84	7,113.44	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,333.20	4,246.09	87.11	49.742	
8,400.00	7,113.45	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,333.20	4,246.09	87.11	49.742	
8,500.00	7,113.86	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,334.41	4,247.29	87.11	49.755	
8,600.00	7,114.28	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,337.92	4,250.80	87.11	49.796	
8,700.00	7,114.69	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,343.73	4,256.61	87.11	49.862	
8,800.00	7,115.10	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,351.83	4,264.71	87.11	49.955	
8,900.00	7,115.52	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,362.20	4,275.09	87.11	50.074	
9,000.00	7,115.93	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,374.84	4,287.73	87.11	50.220	
9,100.00	7,116.35	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,389.72	4,302.61	87.11	50.390	
9,200.00	7,116.76	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,406.83	4,319.71	87.11	50.587	
9,300.00	7,117.17	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,426.12	4,339.01	87.11	50.808	
9,400.00	7,117.59	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,447.58	4,360.47	87.11	51.054	
9,500.00	7,118.00	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,471.18	4,384.06	87.11	51.325	
9,600.00	7,118.41	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,496.87	4,409.76	87.11	51.620	
9,700.00	7,118.83	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,524.63	4,437.52	87.11	51.939	
9,800.00	7,119.24	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,554.42	4,467.30	87.11	52.281	
9,900.00	7,119.66	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,586.19	4,499.08	87.11	52.646	
10,000.00	7,120.07	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,619.91	4,532.80	87.11	53.033	
10,100.00	7,120.48	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,655.53	4,568.42	87.11	53.442	
10,200.00	7,120.90	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,693.02	4,605.90	87.11	53.872	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,732.32	4,645.21	87.11	54.323	
10,400.00	7,121.73	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,773.39	4,686.28	87.11	54.795	
10,500.00	7,122.14	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,816.19	4,729.08	87.11	55.286	
10,600.00	7,122.55	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,860.67	4,773.56	87.11	55.796	
10,700.00	7,122.97	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,906.79	4,819.68	87.11	56.326	
10,800.00	7,123.38	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	4,954.49	4,867.38	87.11	56.873	
10,900.00	7,123.79	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,003.74	4,916.63	87.11	57.439	
11,000.00	7,124.21	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,054.49	4,967.38	87.11	58.021	
11,100.00	7,124.62	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,106.69	5,019.58	87.11	58.621	
11,200.00	7,125.04	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,160.30	5,073.19	87.11	59.236	
11,300.00	7,125.45	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,215.28	5,128.17	87.11	59.867	
11,400.00	7,125.86	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,271.58	5,184.47	87.11	60.513	
11,500.00	7,126.28	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,329.17	5,242.05	87.11	61.174	
11,600.00	7,126.69	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,387.99	5,300.88	87.11	61.850	
11,700.00	7,127.11	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,448.02	5,360.90	87.11	62.539	
11,800.00	7,127.52	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,509.20	5,422.09	87.11	63.241	
11,900.00	7,127.93	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,571.51	5,484.40	87.11	63.956	
12,000.00	7,128.35	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,634.91	5,547.79	87.11	64.684	
12,100.00	7,128.76	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,699.35	5,612.24	87.11	65.424	
12,200.00	7,129.18	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,764.81	5,677.70	87.11	66.175	
12,300.00	7,129.59	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,831.25	5,744.14	87.11	66.938	
12,400.00	7,130.00	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,898.64	5,811.52	87.11	67.711	
12,500.00	7,130.42	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	5,966.94	5,879.82	87.11	68.495	
12,600.00	7,130.83	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,036.12	5,949.01	87.11	69.290	
12,700.00	7,131.24	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,106.16	6,019.05	87.11	70.094	
12,800.00	7,131.66	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,177.03	6,089.91	87.11	70.907	
12,900.00	7,132.07	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,248.69	6,161.57	87.11	71.730	
13,000.00	7,132.49	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,321.12	6,234.00	87.11	72.561	
13,100.00	7,132.90	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,394.29	6,307.18	87.11	73.401	
13,200.00	7,133.31	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,468.18	6,381.07	87.11	74.249	
13,300.00	7,133.73	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,542.77	6,455.65	87.11	75.105	
13,400.00	7,134.14	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,618.02	6,530.91	87.11	75.969	
13,500.00	7,134.56	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,693.93	6,606.81	87.11	76.841	
13,600.00	7,134.97	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,770.46	6,683.34	87.11	77.719	
13,700.00	7,135.38	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,847.59	6,760.48	87.11	78.605	
13,800.00	7,135.80	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	6,925.31	6,838.20	87.11	79.497	
13,900.00	7,136.21	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,003.60	6,916.48	87.11	80.395	
14,000.00	7,136.62	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,082.43	6,995.32	87.11	81.300	
14,100.00	7,137.04	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,161.79	7,074.68	87.11	82.211	
14,200.00	7,137.45	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,241.66	7,154.55	87.11	83.128	
14,300.00	7,137.87	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,322.03	7,234.92	87.11	84.051	
14,400.00	7,138.28	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,402.87	7,315.76	87.11	84.979	
14,500.00	7,138.69	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,484.18	7,397.07	87.11	85.912	
14,600.00	7,139.11	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,565.94	7,478.82	87.11	86.851	
14,700.00	7,139.52	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,648.13	7,561.01	87.11	87.794	
14,800.00	7,139.94	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,730.74	7,643.62	87.11	88.742	
14,900.00	7,140.35	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,813.75	7,726.64	87.11	89.695	
15,000.00	7,140.76	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,897.16	7,810.05	87.11	90.653	
15,100.00	7,141.18	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	7,980.95	7,893.84	87.11	91.615	
15,200.00	7,141.59	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,065.11	7,978.00	87.11	92.581	
15,300.00	7,142.00	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,149.63	8,062.51	87.11	93.551	
15,400.00	7,142.42	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,234.49	8,147.38	87.11	94.525	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,319.69	8,232.58	87.11	95.503	
15,600.00	7,143.25	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,405.22	8,318.11	87.11	96.485	
15,700.00	7,143.66	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,491.06	8,403.95	87.11	97.470	
15,800.00	7,144.07	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,577.21	8,490.10	87.11	98.459	
15,900.00	7,144.49	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,663.66	8,576.55	87.11	99.452	
16,000.00	7,144.90	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,750.40	8,663.28	87.11	100.447	
16,100.00	7,145.32	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,837.41	8,750.30	87.11	101.446	
16,200.00	7,145.73	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	8,924.70	8,837.59	87.11	102.448	
16,300.00	7,146.14	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,012.26	8,925.14	87.11	103.453	
16,400.00	7,146.56	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,100.06	9,012.95	87.11	104.461	
16,500.00	7,146.97	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,188.12	9,101.01	87.11	105.472	
16,600.00	7,147.38	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,276.42	9,189.31	87.11	106.486	
16,700.00	7,147.80	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,364.96	9,277.85	87.11	107.502	
16,800.00	7,148.21	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,453.72	9,366.61	87.11	108.521	
16,900.00	7,148.63	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,542.71	9,455.60	87.11	109.542	
17,000.00	7,149.04	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,631.91	9,544.80	87.11	110.566	
17,100.00	7,149.45	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,721.33	9,634.21	87.11	111.593	
17,200.00	7,149.87	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,810.94	9,723.83	87.11	112.621	
17,232.03	7,150.00	3,675.00	3,649.44	0.00	145.00	-36.93	2,607.63	1,055.56	9,839.69	9,752.58	87.11	112.951	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	15.83	0.00	0.00	16.84	410.61	124.30	429.30				
100.00	100.00	84.17	100.00	0.00	1.68	16.84	410.61	124.30	429.01	427.33	1.68	254.813	CC, ES
200.00	200.00	100.00	115.83	0.00	2.00	16.84	410.61	124.30	437.19	435.19	2.00	218.573	SF
300.00	300.00	100.00	115.83	0.00	2.00	16.84	410.61	124.30	466.87	464.87	2.00	233.413	
400.00	399.98	100.00	115.83	0.00	2.00	105.73	410.61	124.30	515.00	513.00	2.00	257.487	
500.00	499.84	100.00	115.83	0.00	2.00	104.18	410.61	124.30	577.31	575.31	2.00	288.670	
600.00	599.47	100.00	115.83	0.00	2.00	102.92	410.61	124.30	649.64	647.64	2.00	324.858	
700.00	699.05	100.00	115.83	0.00	2.00	102.92	410.61	124.30	728.64	726.64	2.00	364.363	
800.00	798.62	100.00	115.83	0.00	2.00	102.92	410.61	124.30	812.29	810.29	2.00	406.188	
900.00	898.20	100.00	115.83	0.00	2.00	102.92	410.61	124.30	899.27	897.27	2.00	449.688	
1,000.00	997.77	100.00	115.83	0.00	2.00	102.92	410.61	124.30	988.73	986.73	2.00	494.419	
1,100.00	1,097.35	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,080.03	1,078.03	2.00	540.076	
1,200.00	1,196.92	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,172.75	1,170.75	2.00	586.443	
1,300.00	1,296.49	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,266.59	1,264.59	2.00	633.364	
1,400.00	1,396.07	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,361.30	1,359.30	2.00	680.724	
1,500.00	1,495.64	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,456.71	1,454.71	2.00	728.438	
1,600.00	1,595.22	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,552.71	1,550.71	2.00	776.440	
1,700.00	1,694.79	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,649.18	1,647.18	2.00	824.681	
1,800.00	1,794.37	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,746.04	1,744.04	2.00	873.120	
1,900.00	1,893.94	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,843.25	1,841.25	2.00	921.726	
2,000.00	1,993.51	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,940.73	1,938.73	2.00	970.475	
2,100.00	2,093.09	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,038.46	2,036.46	2.00	1,019.346	
2,200.00	2,192.66	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,136.40	2,134.40	2.00	1,068.321	
2,300.00	2,292.24	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,234.52	2,232.52	2.00	1,117.388	
2,400.00	2,391.81	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,332.81	2,330.81	2.00	1,166.534	
2,500.00	2,491.39	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,431.23	2,429.23	2.00	1,215.751	
2,600.00	2,590.96	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,529.77	2,527.77	2.00	1,265.029	
2,700.00	2,690.53	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,628.43	2,626.43	2.00	1,314.363	
2,800.00	2,790.11	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,727.18	2,725.18	2.00	1,363.745	
2,900.00	2,889.68	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,826.03	2,824.03	2.00	1,413.171	
3,000.00	2,989.26	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,924.95	2,922.95	2.00	1,462.637	
3,100.00	3,088.83	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,023.94	3,021.94	2.00	1,512.138	
3,200.00	3,188.41	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,122.99	3,120.99	2.00	1,561.671	
3,300.00	3,287.98	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,222.11	3,220.11	2.00	1,611.233	
3,400.00	3,387.56	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,321.27	3,319.27	2.00	1,660.822	
3,500.00	3,487.13	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,420.49	3,418.49	2.00	1,710.436	
3,600.00	3,586.70	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,519.75	3,517.75	2.00	1,760.071	
3,700.00	3,686.28	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,619.05	3,617.05	2.00	1,809.727	
3,800.00	3,785.85	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,718.39	3,716.39	2.00	1,859.402	
3,900.00	3,885.43	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,817.76	3,815.76	2.00	1,909.093	
4,000.00	3,985.00	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,917.16	3,915.16	2.00	1,958.801	
4,100.00	4,084.58	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,016.60	4,014.60	2.00	2,008.524	
4,200.00	4,184.15	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,116.06	4,114.06	2.00	2,058.260	
4,300.00	4,283.72	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,215.55	4,213.55	2.00	2,108.009	
4,400.00	4,383.30	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,315.06	4,313.06	2.00	2,157.770	
4,500.00	4,482.87	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,414.59	4,412.59	2.00	2,207.542	
4,600.00	4,582.45	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,514.14	4,512.14	2.00	2,257.325	
4,700.00	4,682.02	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,613.72	4,611.72	2.00	2,307.117	
4,800.00	4,781.60	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,713.31	4,711.31	2.00	2,356.918	
4,900.00	4,881.17	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,812.91	4,810.91	2.00	2,406.727	
5,000.00	4,980.74	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,912.54	4,910.54	2.00	2,456.545	
5,100.00	5,080.32	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,012.18	5,010.18	2.00	2,506.370	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,111.83	5,109.83	2.00	2,556.202	
5,300.00	5,279.47	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,211.50	5,209.50	2.00	2,606.040	
5,400.00	5,379.04	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,311.17	5,309.17	2.00	2,655.885	
5,500.00	5,478.62	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,410.86	5,408.87	2.00	2,705.736	
5,600.00	5,578.19	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,510.57	5,508.57	2.00	2,755.593	
5,700.00	5,677.77	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,610.28	5,608.28	2.00	2,805.454	
5,800.00	5,777.34	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,710.00	5,708.00	2.00	2,855.321	
5,900.00	5,876.91	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,809.73	5,807.73	2.00	2,905.193	
6,000.00	5,976.49	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,909.47	5,907.47	2.00	2,955.069	
6,100.00	6,076.06	100.00	115.83	0.00	2.00	102.92	410.61	124.30	6,009.22	6,007.22	2.00	3,004.949	
6,200.00	6,175.64	100.00	115.83	0.00	2.00	102.92	410.61	124.30	6,108.98	6,106.98	2.00	3,054.834	
6,300.00	6,275.24	100.00	115.83	0.00	2.00	113.57	410.61	124.30	6,208.74	6,206.74	2.00	3,105.589	
6,400.00	6,375.13	100.00	115.83	0.00	2.00	-23.99	410.61	124.30	6,308.14	6,306.14	2.00	3,155.660	
6,500.00	6,474.53	100.00	115.83	0.00	2.00	-13.34	410.61	124.30	6,405.70	6,403.73	1.97	3,246.278	
6,600.00	6,571.72	100.00	115.83	0.00	2.00	-9.22	410.61	124.30	6,499.89	6,497.97	1.91	3,397.228	
6,700.00	6,665.06	100.00	115.83	0.00	2.00	-7.10	410.61	124.30	6,589.26	6,587.44	1.82	3,619.661	
6,800.00	6,752.94	100.00	115.83	0.00	2.00	-5.83	410.61	124.30	6,672.50	6,670.81	1.70	3,933.411	
6,900.00	6,833.85	100.00	115.83	0.00	2.00	-5.00	410.61	124.30	6,748.46	6,746.91	1.54	4,372.457	
7,000.00	6,906.42	100.00	115.83	0.00	2.00	-4.43	410.61	124.30	6,816.08	6,814.71	1.36	4,996.272	
7,100.00	6,969.40	100.00	115.83	0.00	2.00	-4.03	410.61	124.30	6,874.48	6,873.31	1.16	5,915.741	
7,200.00	7,021.72	100.00	115.83	0.00	2.00	-3.75	410.61	124.30	6,922.89	6,921.95	0.94	7,360.002	
7,300.00	7,062.47	100.00	115.83	0.00	2.00	-3.55	410.61	124.30	6,960.72	6,960.02	0.70	9,883.926	
7,400.00	7,090.97	100.00	115.83	0.00	2.00	-3.43	410.61	124.30	6,987.48	6,987.02	0.46	N/A	
7,500.00	7,106.72	100.00	115.83	0.00	2.00	-3.36	410.61	124.30	7,002.85	7,002.63	0.22	N/A	
7,600.00	7,110.14	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,007.32	7,007.20	0.12	N/A	
7,700.00	7,110.55	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,010.21	7,010.10	0.12	N/A	
7,800.00	7,110.97	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,014.54	7,014.42	0.12	N/A	
7,900.00	7,111.38	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,020.28	7,020.16	0.12	N/A	
8,000.00	7,111.79	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,027.44	7,027.32	0.12	N/A	
8,100.00	7,112.21	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,036.02	7,035.90	0.12	N/A	
8,200.00	7,112.62	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,046.00	7,045.88	0.12	N/A	
8,300.00	7,113.03	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,057.39	7,057.27	0.12	N/A	
8,400.00	7,113.45	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,070.17	7,070.05	0.12	N/A	
8,500.00	7,113.86	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,084.34	7,084.23	0.12	N/A	
8,600.00	7,114.28	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,099.89	7,099.78	0.12	N/A	
8,700.00	7,114.69	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,116.82	7,116.70	0.12	N/A	
8,800.00	7,115.10	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,135.10	7,134.99	0.12	N/A	
8,900.00	7,115.52	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,154.74	7,154.62	0.12	N/A	
9,000.00	7,115.93	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,175.72	7,175.60	0.12	N/A	
9,100.00	7,116.35	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,198.02	7,197.90	0.12	N/A	
9,200.00	7,116.76	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,221.64	7,221.52	0.12	N/A	
9,300.00	7,117.17	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,246.56	7,246.45	0.12	N/A	
9,400.00	7,117.59	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,272.78	7,272.66	0.12	N/A	
9,500.00	7,118.00	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,300.27	7,300.15	0.12	N/A	
9,600.00	7,118.41	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,329.02	7,328.90	0.12	N/A	
9,700.00	7,118.83	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,359.01	7,358.90	0.12	N/A	
9,800.00	7,119.24	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,390.24	7,390.13	0.12	N/A	
9,900.00	7,119.66	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,422.69	7,422.57	0.12	N/A	
10,000.00	7,120.07	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,456.33	7,456.22	0.12	N/A	
10,100.00	7,120.48	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,491.16	7,491.04	0.12	N/A	
10,200.00	7,120.90	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,527.16	7,527.04	0.12	N/A	
10,300.00	7,121.31	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,564.30	7,564.19	0.12	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,602.58	7,602.47	0.12	N/A	
10,500.00	7,122.14	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,641.98	7,641.86	0.12	N/A	
10,600.00	7,122.55	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,682.48	7,682.36	0.12	N/A	
10,700.00	7,122.97	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,724.06	7,723.94	0.12	N/A	
10,800.00	7,123.38	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,766.70	7,766.59	0.12	N/A	
10,900.00	7,123.79	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,810.40	7,810.28	0.12	N/A	
11,000.00	7,124.21	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,855.12	7,855.00	0.12	N/A	
11,100.00	7,124.62	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,900.85	7,900.74	0.12	N/A	
11,200.00	7,125.04	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,947.58	7,947.47	0.12	N/A	
11,300.00	7,125.45	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	7,995.29	7,995.17	0.12	N/A	
11,400.00	7,125.86	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,043.96	8,043.84	0.12	N/A	
11,500.00	7,126.28	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,093.57	8,093.45	0.12	N/A	
11,600.00	7,126.69	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,144.11	8,143.99	0.12	N/A	
11,700.00	7,127.11	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,195.55	8,195.44	0.12	N/A	
11,800.00	7,127.52	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,247.89	8,247.77	0.12	N/A	
11,900.00	7,127.93	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,301.10	8,300.98	0.12	N/A	
12,000.00	7,128.35	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,355.17	8,355.05	0.12	N/A	
12,100.00	7,128.76	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,410.08	8,409.96	0.12	N/A	
12,200.00	7,129.18	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,465.82	8,465.70	0.12	N/A	
12,300.00	7,129.59	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,522.36	8,522.25	0.12	N/A	
12,400.00	7,130.00	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,579.70	8,579.58	0.12	N/A	
12,500.00	7,130.42	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,637.82	8,637.70	0.12	N/A	
12,600.00	7,130.83	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,696.69	8,696.58	0.12	N/A	
12,700.00	7,131.24	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,756.32	8,756.20	0.12	N/A	
12,800.00	7,131.66	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,816.67	8,816.55	0.12	N/A	
12,900.00	7,132.07	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,877.74	8,877.62	0.12	N/A	
13,000.00	7,132.49	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	8,939.51	8,939.39	0.12	N/A	
13,100.00	7,132.90	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,001.97	9,001.85	0.12	N/A	
13,200.00	7,133.31	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,065.10	9,064.98	0.12	N/A	
13,300.00	7,133.73	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,128.89	9,128.77	0.12	N/A	
13,400.00	7,134.14	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,193.33	9,193.21	0.12	N/A	
13,500.00	7,134.56	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,258.39	9,258.28	0.12	N/A	
13,600.00	7,134.97	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,324.08	9,323.96	0.12	N/A	
13,700.00	7,135.38	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,390.37	9,390.25	0.12	N/A	
13,800.00	7,135.80	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,457.25	9,457.14	0.12	N/A	
13,900.00	7,136.21	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,524.72	9,524.60	0.12	N/A	
14,000.00	7,136.62	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,592.75	9,592.63	0.12	N/A	
14,100.00	7,137.04	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,661.34	9,661.22	0.12	N/A	
14,200.00	7,137.45	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,730.47	9,730.35	0.12	N/A	
14,300.00	7,137.87	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,800.14	9,800.02	0.12	N/A	
14,400.00	7,138.28	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,870.32	9,870.20	0.12	N/A	
14,500.00	7,138.69	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	9,941.02	9,940.90	0.12	N/A	
14,600.00	7,139.11	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,012.21	10,012.10	0.12	N/A	
14,700.00	7,139.52	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,083.90	10,083.78	0.12	N/A	
14,800.00	7,139.94	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,156.06	10,155.95	0.12	N/A	
14,900.00	7,140.35	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,228.70	10,228.58	0.12	N/A	
15,000.00	7,140.76	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,301.79	10,301.67	0.12	N/A	
15,100.00	7,141.18	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,375.33	10,375.21	0.12	N/A	
15,200.00	7,141.59	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,449.31	10,449.19	0.12	N/A	
15,300.00	7,142.00	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,523.72	10,523.60	0.12	N/A	
15,400.00	7,142.42	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,598.55	10,598.43	0.12	N/A	
15,500.00	7,142.83	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,673.79	10,673.68	0.12	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,143.25	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,749.44	10,749.32	0.12	N/A	
15,700.00	7,143.66	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,825.48	10,825.36	0.12	N/A	
15,800.00	7,144.07	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,901.91	10,901.79	0.12	N/A	
15,900.00	7,144.49	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	10,978.72	10,978.60	0.12	N/A	
16,000.00	7,144.90	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,055.90	11,055.78	0.12	N/A	
16,100.00	7,145.32	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,133.44	11,133.32	0.12	N/A	
16,200.00	7,145.73	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,211.33	11,211.22	0.12	N/A	
16,300.00	7,146.14	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,289.58	11,289.46	0.12	N/A	
16,400.00	7,146.56	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,368.17	11,368.05	0.12	N/A	
16,500.00	7,146.97	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,447.09	11,446.97	0.12	N/A	
16,600.00	7,147.38	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,526.34	11,526.22	0.12	N/A	
16,700.00	7,147.80	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,605.90	11,605.79	0.12	N/A	
16,800.00	7,148.21	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,685.79	11,685.67	0.12	N/A	
16,900.00	7,148.63	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,765.98				
17,000.00	7,149.04	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,846.47				
17,100.00	7,149.45	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	11,927.26				
17,200.00	7,149.87	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	12,008.33				
17,232.03	7,150.00	100.00	115.83	0.00	2.00	-3.34	410.61	124.30	12,034.36				

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	45.20	0.00	0.00	176.02	-2,283.92	158.91	2,289.89				
100.00	100.00	54.80	100.00	0.00	1.10	176.02	-2,283.92	158.91	2,289.44	2,288.35	1.10	2,088.353	
200.00	200.00	154.80	200.00	0.00	4.19	176.02	-2,283.92	158.91	2,289.44	2,285.25	4.19	546.119	
300.00	300.00	254.80	300.00	0.00	8.19	176.02	-2,283.92	158.91	2,289.44	2,281.25	8.19	279.466	CC
400.00	399.98	354.78	399.98	0.00	12.19	-94.08	-2,283.92	158.91	2,289.57	2,277.37	12.19	187.802	
500.00	499.84	454.64	499.84	0.00	16.19	-94.20	-2,283.92	158.91	2,289.94	2,273.76	16.19	141.481	
600.00	599.47	554.27	599.47	0.00	20.17	-94.40	-2,283.92	158.91	2,290.58	2,270.41	20.17	113.560	
700.00	699.05	653.85	699.05	0.00	24.15	-94.63	-2,283.92	158.91	2,291.31	2,267.16	24.15	94.865	
800.00	798.62	753.42	798.62	0.00	28.14	-94.86	-2,283.92	158.91	2,292.08	2,263.94	28.14	81.464	
900.00	898.20	853.00	898.20	0.00	32.12	-95.09	-2,283.92	158.91	2,292.88	2,260.76	32.12	71.387	
1,000.00	997.77	952.57	997.77	0.00	36.10	-95.32	-2,283.92	158.91	2,293.72	2,257.62	36.10	63.535	
1,100.00	1,097.35	1,052.15	1,097.35	0.00	40.09	-95.55	-2,283.92	158.91	2,294.60	2,254.51	40.08	57.244	
1,200.00	1,196.92	1,151.72	1,196.92	0.00	44.07	-95.77	-2,283.92	158.91	2,295.51	2,251.44	44.07	52.091	
1,300.00	1,296.49	1,251.29	1,296.49	0.00	48.05	-96.00	-2,283.92	158.91	2,296.46	2,248.41	48.05	47.793	
1,400.00	1,396.07	1,350.87	1,396.07	0.00	52.03	-96.23	-2,283.92	158.91	2,297.44	2,245.41	52.03	44.154	
1,500.00	1,495.64	1,450.44	1,495.64	0.00	56.02	-96.46	-2,283.92	158.91	2,298.47	2,242.45	56.01	41.033	
1,600.00	1,595.22	1,550.02	1,595.22	0.00	60.00	-96.68	-2,283.92	158.91	2,299.52	2,239.53	60.00	38.327	
1,700.00	1,694.79	1,649.59	1,694.79	0.00	63.98	-96.91	-2,283.92	158.91	2,300.62	2,236.64	63.98	35.958	
1,800.00	1,794.37	1,749.17	1,794.37	0.00	67.97	-97.14	-2,283.92	158.91	2,301.75	2,233.79	67.96	33.868	
1,900.00	1,893.94	1,848.74	1,893.94	0.00	71.95	-97.36	-2,283.92	158.91	2,302.92	2,230.98	71.94	32.010	
2,000.00	1,993.51	1,948.31	1,993.51	0.00	75.93	-97.59	-2,283.92	158.91	2,304.12	2,228.20	75.93	30.347	
2,100.00	2,093.09	2,047.89	2,093.09	0.00	79.92	-97.82	-2,283.92	158.91	2,305.37	2,225.46	79.91	28.850	
2,200.00	2,192.66	2,147.46	2,192.66	0.00	83.90	-98.04	-2,283.92	158.91	2,306.64	2,222.75	83.89	27.495	
2,300.00	2,292.24	2,247.04	2,292.24	0.00	87.88	-98.27	-2,283.92	158.91	2,307.95	2,220.08	87.87	26.264	
2,400.00	2,391.81	2,346.61	2,391.81	0.00	91.86	-98.49	-2,283.92	158.91	2,309.30	2,217.45	91.86	25.140	
2,500.00	2,491.39	2,446.19	2,491.39	0.00	95.85	-98.72	-2,283.92	158.91	2,310.69	2,214.85	95.84	24.110	
2,600.00	2,590.96	2,545.76	2,590.96	0.00	99.83	-98.94	-2,283.92	158.91	2,312.11	2,212.29	99.82	23.163	
2,700.00	2,690.53	2,645.33	2,690.53	0.00	103.81	-99.17	-2,283.92	158.91	2,313.57	2,209.76	103.80	22.288	
2,800.00	2,790.11	2,744.91	2,790.11	0.00	107.80	-99.39	-2,283.92	158.91	2,315.06	2,207.27	107.78	21.479	
2,900.00	2,889.68	2,844.48	2,889.68	0.00	111.78	-99.62	-2,283.92	158.91	2,316.59	2,204.82	111.77	20.727	
3,000.00	2,989.26	2,944.06	2,989.26	0.00	115.76	-99.84	-2,283.92	158.91	2,318.15	2,202.40	115.75	20.028	
3,100.00	3,088.83	3,043.63	3,088.83	0.00	119.75	-100.06	-2,283.92	158.91	2,319.75	2,200.02	119.73	19.375	
3,200.00	3,188.41	3,143.21	3,188.41	0.00	123.73	-100.29	-2,283.92	158.91	2,321.38	2,197.67	123.71	18.764	
3,300.00	3,287.98	3,242.78	3,287.98	0.00	127.71	-100.51	-2,283.92	158.91	2,323.06	2,195.36	127.69	18.192	
3,400.00	3,387.56	3,342.36	3,387.56	0.00	131.69	-100.73	-2,283.92	158.91	2,324.76	2,193.09	131.68	17.655	
3,500.00	3,487.13	3,441.93	3,487.13	0.00	135.68	-100.95	-2,283.92	158.91	2,326.50	2,190.84	135.66	17.150	
3,600.00	3,586.70	3,541.50	3,586.70	0.00	139.66	-101.17	-2,283.92	158.91	2,328.28	2,188.64	139.64	16.674	
3,700.00	3,686.28	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,330.10	2,186.76	143.34	16.256	ES, SF
3,800.00	3,785.85	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,334.37	2,191.04	143.34	16.286	
3,900.00	3,885.43	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,342.91	2,199.57	143.34	16.346	
4,000.00	3,985.00	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,355.67	2,212.33	143.34	16.435	
4,100.00	4,084.58	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,372.57	2,229.23	143.34	16.552	
4,200.00	4,184.15	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,393.54	2,250.20	143.34	16.699	
4,300.00	4,283.72	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,418.46	2,275.12	143.34	16.873	
4,400.00	4,383.30	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,447.22	2,303.88	143.34	17.073	
4,500.00	4,482.87	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,479.68	2,336.34	143.34	17.300	
4,600.00	4,582.45	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,515.70	2,372.36	143.34	17.551	
4,700.00	4,682.02	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,555.13	2,411.79	143.34	17.826	
4,800.00	4,781.60	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,597.81	2,454.47	143.34	18.124	
4,900.00	4,881.17	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,643.59	2,500.25	143.34	18.443	
5,000.00	4,980.74	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,692.30	2,548.96	143.34	18.783	
5,100.00	5,080.32	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,743.79	2,600.46	143.34	19.142	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,797.92	2,654.58	143.34	19.520	
5,300.00	5,279.47	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,854.52	2,711.18	143.34	19.915	
5,400.00	5,379.04	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,913.45	2,770.12	143.34	20.326	
5,500.00	5,478.62	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,974.58	2,831.24	143.34	20.752	
5,600.00	5,578.19	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,037.77	2,894.44	143.34	21.193	
5,700.00	5,677.77	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,102.90	2,959.56	143.34	21.648	
5,800.00	5,777.34	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,169.85	3,026.51	143.34	22.115	
5,900.00	5,876.91	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,238.50	3,095.16	143.34	22.594	
6,000.00	5,976.49	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,308.74	3,165.41	143.34	23.084	
6,100.00	6,076.06	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,380.49	3,237.15	143.34	23.584	
6,200.00	6,175.64	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,453.64	3,310.31	143.34	24.095	
6,300.00	6,275.24	3,634.00	3,679.20	0.00	143.36	-102.25	-2,283.92	158.91	3,528.08	3,384.74	143.34	24.613	
6,400.00	6,375.13	3,634.00	3,679.20	0.00	143.36	71.09	-2,283.92	158.91	3,602.74	3,459.39	143.35	25.133	
6,500.00	6,474.53	3,634.00	3,679.20	0.00	143.36	63.43	-2,283.92	158.91	3,675.78	3,532.83	142.95	25.713	
6,600.00	6,571.72	3,634.00	3,679.20	0.00	143.36	56.97	-2,283.92	158.91	3,746.06	3,604.57	141.49	26.476	
6,700.00	6,665.06	3,634.00	3,679.20	0.00	143.36	51.54	-2,283.92	158.91	3,812.57	3,674.12	138.44	27.539	
6,800.00	6,752.94	3,634.00	3,679.20	0.00	143.36	47.06	-2,283.92	158.91	3,874.38	3,740.78	133.59	29.001	
6,900.00	6,833.85	3,634.00	3,679.20	0.00	143.36	43.43	-2,283.92	158.91	3,930.68	3,803.66	127.02	30.946	
7,000.00	6,906.42	3,634.00	3,679.20	0.00	143.36	40.52	-2,283.92	158.91	3,980.77	3,861.76	119.01	33.449	
7,100.00	6,969.40	3,634.00	3,679.20	0.00	143.36	38.24	-2,283.92	158.91	4,024.03	3,913.98	110.05	36.566	
7,200.00	7,021.72	3,634.00	3,679.20	0.00	143.36	36.48	-2,283.92	158.91	4,059.95	3,959.16	100.80	40.279	
7,300.00	7,062.47	3,634.00	3,679.20	0.00	143.36	35.19	-2,283.92	158.91	4,088.13	3,996.03	92.10	44.389	
7,400.00	7,090.97	3,634.00	3,679.20	0.00	143.36	34.32	-2,283.92	158.91	4,108.23	4,023.25	84.98	48.343	
7,500.00	7,106.72	3,634.00	3,679.20	0.00	143.36	33.82	-2,283.92	158.91	4,120.03	4,039.49	80.54	51.154	
7,600.00	7,110.14	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,123.98	4,044.48	79.50	51.871	
7,700.00	7,110.55	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,127.85	4,048.35	79.50	51.920	
7,800.00	7,110.97	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,134.14	4,054.64	79.50	51.999	
7,900.00	7,111.38	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,142.83	4,063.33	79.50	52.108	
8,000.00	7,111.79	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,153.92	4,074.41	79.50	52.248	
8,100.00	7,112.21	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,167.37	4,087.86	79.50	52.417	
8,200.00	7,112.62	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,183.17	4,103.66	79.50	52.616	
8,300.00	7,113.03	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,201.29	4,121.79	79.50	52.844	
8,400.00	7,113.45	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,221.71	4,142.20	79.50	53.100	
8,500.00	7,113.86	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,244.38	4,164.87	79.50	53.385	
8,600.00	7,114.28	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,269.27	4,189.77	79.50	53.699	
8,700.00	7,114.69	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,296.35	4,216.85	79.50	54.039	
8,800.00	7,115.10	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,325.57	4,246.07	79.50	54.407	
8,900.00	7,115.52	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,356.89	4,277.39	79.50	54.801	
9,000.00	7,115.93	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,390.27	4,310.77	79.50	55.221	
9,100.00	7,116.35	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,425.65	4,346.15	79.50	55.666	
9,200.00	7,116.76	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,463.00	4,383.49	79.50	56.135	
9,300.00	7,117.17	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,502.26	4,422.75	79.50	56.629	
9,400.00	7,117.59	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,543.37	4,463.87	79.50	57.146	
9,500.00	7,118.00	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,586.31	4,506.80	79.50	57.686	
9,600.00	7,118.41	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,631.00	4,551.49	79.50	58.248	
9,700.00	7,118.83	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,677.40	4,597.90	79.50	58.832	
9,800.00	7,119.24	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,725.47	4,645.96	79.50	59.437	
9,900.00	7,119.66	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,775.14	4,695.64	79.50	60.061	
10,000.00	7,120.07	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,826.38	4,746.87	79.50	60.706	
10,100.00	7,120.48	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,879.13	4,799.62	79.50	61.369	
10,200.00	7,120.90	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,933.34	4,853.83	79.50	62.051	
10,300.00	7,121.31	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	4,988.96	4,909.46	79.50	62.751	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,045.96	4,966.46	79.50	63.468	
10,500.00	7,122.14	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,104.28	5,024.77	79.50	64.201	
10,600.00	7,122.55	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,163.87	5,084.37	79.50	64.951	
10,700.00	7,122.97	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,224.71	5,145.20	79.50	65.716	
10,800.00	7,123.38	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,286.73	5,207.22	79.50	66.496	
10,900.00	7,123.79	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,349.90	5,270.40	79.50	67.291	
11,000.00	7,124.21	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,414.18	5,334.68	79.50	68.099	
11,100.00	7,124.62	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,479.54	5,400.03	79.50	68.921	
11,200.00	7,125.04	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,545.92	5,466.42	79.50	69.756	
11,300.00	7,125.45	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,613.31	5,533.80	79.50	70.604	
11,400.00	7,125.86	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,681.65	5,602.15	79.50	71.463	
11,500.00	7,126.28	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,750.92	5,671.42	79.50	72.335	
11,600.00	7,126.69	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,821.09	5,741.58	79.50	73.217	
11,700.00	7,127.11	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,892.11	5,812.61	79.50	74.111	
11,800.00	7,127.52	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	5,963.97	5,884.47	79.50	75.014	
11,900.00	7,127.93	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,036.63	5,957.12	79.50	75.928	
12,000.00	7,128.35	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,110.06	6,030.56	79.50	76.852	
12,100.00	7,128.76	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,184.24	6,104.73	79.50	77.785	
12,200.00	7,129.18	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,259.13	6,179.63	79.50	78.727	
12,300.00	7,129.59	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,334.72	6,255.22	79.50	79.678	
12,400.00	7,130.00	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,410.98	6,331.47	79.50	80.637	
12,500.00	7,130.42	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,487.88	6,408.37	79.50	81.604	
12,600.00	7,130.83	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,565.40	6,485.90	79.50	82.579	
12,700.00	7,131.24	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,643.53	6,564.02	79.50	83.562	
12,800.00	7,131.66	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,722.23	6,642.73	79.50	84.552	
12,900.00	7,132.07	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,801.50	6,721.99	79.50	85.549	
13,000.00	7,132.49	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,881.30	6,801.80	79.50	86.553	
13,100.00	7,132.90	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	6,961.63	6,882.12	79.50	87.563	
13,200.00	7,133.31	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,042.46	6,962.95	79.50	88.580	
13,300.00	7,133.73	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,123.77	7,044.27	79.50	89.602	
13,400.00	7,134.14	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,205.56	7,126.05	79.50	90.631	
13,500.00	7,134.56	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,287.80	7,208.29	79.50	91.665	
13,600.00	7,134.97	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,370.48	7,290.97	79.50	92.705	
13,700.00	7,135.38	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,453.58	7,374.08	79.50	93.751	
13,800.00	7,135.80	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,537.10	7,457.59	79.50	94.801	
13,900.00	7,136.21	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,621.01	7,541.51	79.50	95.857	
14,000.00	7,136.62	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,705.31	7,625.80	79.50	96.917	
14,100.00	7,137.04	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,789.97	7,710.47	79.50	97.982	
14,200.00	7,137.45	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,875.00	7,795.50	79.50	99.051	
14,300.00	7,137.87	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	7,960.38	7,880.87	79.50	100.125	
14,400.00	7,138.28	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,046.09	7,966.58	79.50	101.203	
14,500.00	7,138.69	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,132.13	8,052.62	79.50	102.285	
14,600.00	7,139.11	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,218.48	8,138.98	79.50	103.371	
14,700.00	7,139.52	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,305.14	8,225.64	79.50	104.462	
14,800.00	7,139.94	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,392.10	8,312.59	79.50	105.555	
14,900.00	7,140.35	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,479.34	8,399.84	79.50	106.653	
15,000.00	7,140.76	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,566.87	8,487.36	79.50	107.753	
15,100.00	7,141.18	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,654.66	8,575.16	79.50	108.858	
15,200.00	7,141.59	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,742.72	8,663.21	79.50	109.965	
15,300.00	7,142.00	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,831.03	8,751.52	79.50	111.076	
15,400.00	7,142.42	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	8,919.58	8,840.08	79.50	112.190	
15,500.00	7,142.83	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,008.38	8,928.88	79.50	113.307	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,143.25	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,097.41	9,017.91	79.50	114.427	
15,700.00	7,143.66	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,186.67	9,107.16	79.50	115.549	
15,800.00	7,144.07	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,276.14	9,196.64	79.50	116.675	
15,900.00	7,144.49	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,365.83	9,286.32	79.50	117.803	
16,000.00	7,144.90	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,455.72	9,376.22	79.50	118.933	
16,100.00	7,145.32	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,545.82	9,466.31	79.50	120.067	
16,200.00	7,145.73	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,636.11	9,556.60	79.50	121.202	
16,300.00	7,146.14	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,726.59	9,647.08	79.50	122.340	
16,400.00	7,146.56	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,817.25	9,737.75	79.50	123.481	
16,500.00	7,146.97	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,908.10	9,828.59	79.50	124.623	
16,600.00	7,147.38	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	9,999.12	9,919.61	79.50	125.768	
16,700.00	7,147.80	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,090.31	10,010.80	79.50	126.915	
16,800.00	7,148.21	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,181.66	10,102.16	79.50	128.064	
16,900.00	7,148.63	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,273.18	10,193.67	79.50	129.215	
17,000.00	7,149.04	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,364.85	10,285.35	79.50	130.368	
17,100.00	7,149.45	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,456.68	10,377.17	79.50	131.523	
17,200.00	7,149.87	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,548.65	10,469.15	79.50	132.680	
17,232.03	7,150.00	3,634.00	3,679.20	0.00	143.36	33.68	-2,283.92	158.91	10,578.14	10,498.64	79.50	133.051	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.37	0.00	0.00	0.05	51.31	2,866.62	3,578.92	4,585.43				
100.00	100.00	102.37	100.00	0.00	2.09	51.31	2,866.62	3,578.92	4,585.43	4,583.34	2.10	2,188.750	
200.00	200.00	202.37	200.00	0.00	6.09	51.31	2,866.62	3,578.92	4,585.43	4,579.34	6.10	752.327	
300.00	300.00	302.37	300.00	0.00	10.09	51.31	2,866.62	3,578.92	4,585.43	4,575.34	10.09	454.228	
400.00	399.98	402.35	399.98	0.00	14.09	141.25	2,866.62	3,578.92	4,586.79	4,572.70	14.09	325.559	
500.00	499.84	502.21	499.84	0.00	18.09	141.24	2,866.62	3,578.92	4,590.88	4,572.81	18.06	254.177	
600.00	599.47	601.84	599.47	0.00	22.07	141.25	2,866.62	3,578.92	4,597.51	4,575.49	22.02	208.818	
700.00	699.05	701.42	699.05	0.00	26.06	141.32	2,866.62	3,578.92	4,604.71	4,578.72	25.99	177.177	
800.00	798.62	800.99	798.62	0.00	30.04	141.40	2,866.62	3,578.92	4,611.92	4,581.96	29.96	153.926	
900.00	898.20	900.57	898.20	0.00	34.02	141.47	2,866.62	3,578.92	4,619.14	4,585.21	33.93	136.120	
1,000.00	997.77	1,000.14	997.77	0.00	38.01	141.54	2,866.62	3,578.92	4,626.37	4,588.46	37.91	122.046	
1,100.00	1,097.35	1,099.72	1,097.35	0.00	41.99	141.61	2,866.62	3,578.92	4,633.60	4,591.72	41.88	110.642	
1,200.00	1,196.92	1,199.29	1,196.92	0.00	45.97	141.68	2,866.62	3,578.92	4,640.84	4,594.99	45.85	101.215	
1,300.00	1,296.49	1,298.86	1,296.49	0.00	49.95	141.75	2,866.62	3,578.92	4,648.09	4,598.26	49.82	93.291	
1,400.00	1,396.07	1,398.44	1,396.07	0.00	53.94	141.82	2,866.62	3,578.92	4,655.34	4,601.54	53.80	86.537	
1,500.00	1,495.64	1,498.01	1,495.64	0.00	57.92	141.89	2,866.62	3,578.92	4,662.60	4,604.83	57.77	80.712	
1,600.00	1,595.22	1,597.59	1,595.22	0.00	61.90	141.96	2,866.62	3,578.92	4,669.87	4,608.13	61.74	75.637	
1,700.00	1,694.79	1,697.16	1,694.79	0.00	65.89	142.03	2,866.62	3,578.92	4,677.14	4,611.43	65.71	71.176	
1,800.00	1,794.37	1,796.74	1,794.37	0.00	69.87	142.10	2,866.62	3,578.92	4,684.42	4,614.74	69.68	67.223	
1,900.00	1,893.94	1,896.31	1,893.94	0.00	73.85	142.17	2,866.62	3,578.92	4,691.71	4,618.05	73.66	63.697	
2,000.00	1,993.51	1,995.88	1,993.51	0.00	77.84	142.24	2,866.62	3,578.92	4,699.00	4,621.37	77.63	60.532	
2,100.00	2,093.09	2,095.46	2,093.09	0.00	81.82	142.30	2,866.62	3,578.92	4,706.30	4,624.70	81.60	57.675	
2,200.00	2,192.66	2,195.03	2,192.66	0.00	85.80	142.37	2,866.62	3,578.92	4,713.61	4,628.04	85.57	55.083	
2,300.00	2,292.24	2,294.61	2,292.24	0.00	89.78	142.44	2,866.62	3,578.92	4,720.93	4,631.38	89.54	52.722	
2,400.00	2,391.81	2,394.18	2,391.81	0.00	93.77	142.51	2,866.62	3,578.92	4,728.25	4,634.73	93.52	50.561	
2,500.00	2,491.39	2,493.76	2,491.39	0.00	97.75	142.58	2,866.62	3,578.92	4,735.58	4,638.09	97.49	48.576	
2,600.00	2,590.96	2,593.33	2,590.96	0.00	101.73	142.64	2,866.62	3,578.92	4,742.91	4,641.45	101.46	46.747	
2,700.00	2,690.53	2,692.90	2,690.53	0.00	105.72	142.71	2,866.62	3,578.92	4,750.25	4,644.82	105.43	45.055	
2,800.00	2,790.11	2,792.48	2,790.11	0.00	109.70	142.78	2,866.62	3,578.92	4,757.60	4,648.20	109.40	43.487	
2,900.00	2,889.68	2,892.05	2,889.68	0.00	113.68	142.85	2,866.62	3,578.92	4,764.95	4,651.58	113.38	42.028	
3,000.00	2,989.26	2,991.63	2,989.26	0.00	117.67	142.91	2,866.62	3,578.92	4,772.31	4,654.97	117.35	40.668	
3,100.00	3,088.83	3,091.20	3,088.83	0.00	121.65	142.98	2,866.62	3,578.92	4,779.68	4,658.36	121.32	39.398	
3,200.00	3,188.41	3,190.78	3,188.41	0.00	125.63	143.05	2,866.62	3,578.92	4,787.05	4,661.76	125.29	38.208	
3,300.00	3,287.98	3,290.35	3,287.98	0.00	129.61	143.11	2,866.62	3,578.92	4,794.43	4,665.17	129.26	37.091	
3,400.00	3,387.56	3,389.93	3,387.56	0.00	133.60	143.18	2,866.62	3,578.92	4,801.82	4,668.59	133.23	36.041	
3,500.00	3,487.13	3,489.50	3,487.13	0.00	137.58	143.24	2,866.62	3,578.92	4,809.21	4,672.01	137.20	35.051	
3,600.00	3,586.70	3,589.07	3,586.70	0.00	141.56	143.31	2,866.62	3,578.92	4,816.61	4,675.43	141.18	34.118	
3,700.00	3,686.28	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,824.02	4,679.22	144.80	33.315 SF	
3,800.00	3,785.85	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,832.64	4,687.84	144.80	33.374	
3,900.00	3,885.43	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,843.30	4,698.50	144.80	33.448	
4,000.00	3,985.00	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,856.01	4,711.20	144.80	33.535	
4,100.00	4,084.58	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,870.73	4,725.92	144.80	33.637	
4,200.00	4,184.15	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,887.45	4,742.65	144.80	33.753	
4,300.00	4,283.72	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,906.16	4,761.35	144.80	33.882	
4,400.00	4,383.30	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,926.82	4,782.02	144.80	34.024	
4,500.00	4,482.87	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,949.42	4,804.62	144.80	34.180	
4,600.00	4,582.45	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,973.93	4,829.13	144.80	34.350	
4,700.00	4,682.02	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,000.32	4,855.51	144.80	34.532	
4,800.00	4,781.60	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,028.55	4,883.75	144.80	34.727	
4,900.00	4,881.17	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,058.61	4,913.81	144.80	34.935	
5,000.00	4,980.74	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,090.46	4,945.65	144.80	35.154	
5,100.00	5,080.32	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,124.05	4,979.25	144.80	35.387	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,159.37	5,014.57	144.80	35.630	
5,300.00	5,279.47	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,196.38	5,051.57	144.80	35.886	
5,400.00	5,379.04	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,235.03	5,090.23	144.80	36.153	
5,500.00	5,478.62	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,275.29	5,130.49	144.80	36.431	
5,600.00	5,578.19	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,317.13	5,172.33	144.80	36.720	
5,700.00	5,677.77	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,360.51	5,215.71	144.80	37.019	
5,800.00	5,777.34	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,405.40	5,260.59	144.80	37.329	
5,900.00	5,876.91	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,451.74	5,306.94	144.80	37.650	
6,000.00	5,976.49	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,499.52	5,354.72	144.80	37.979	
6,100.00	6,076.06	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,548.68	5,403.88	144.80	38.319	
6,200.00	6,175.64	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,599.20	5,454.40	144.80	38.668	
6,300.00	6,275.24	3,680.00	3,677.63	0.00	145.20	143.65	2,866.62	3,578.92	5,650.86	5,505.95	144.91	38.996	
6,400.00	6,375.13	3,680.00	3,677.63	0.00	145.20	-33.69	2,866.62	3,578.92	5,699.36	5,554.24	145.13	39.271	
6,500.00	6,474.53	3,680.00	3,677.63	0.00	145.20	-32.16	2,866.62	3,578.92	5,739.65	5,595.93	143.72	39.936	
6,600.00	6,571.72	3,680.00	3,677.63	0.00	145.20	-30.89	2,866.62	3,578.92	5,771.13	5,630.67	140.46	41.088	
6,700.00	6,665.06	3,680.00	3,677.63	0.00	145.20	-30.04	2,866.62	3,578.92	5,793.42	5,658.04	135.38	42.793	
6,800.00	6,752.94	3,680.00	3,677.63	0.00	145.20	-29.56	2,866.62	3,578.92	5,806.23	5,677.55	128.68	45.122	
6,900.00	6,833.85	3,680.00	3,677.63	0.00	145.20	-29.45	2,866.62	3,578.92	5,809.42	5,688.74	120.69	48.137	
7,000.00	6,906.42	3,680.00	3,677.63	0.00	145.20	-29.69	2,866.62	3,578.92	5,802.95	5,691.05	111.90	51.856	
7,100.00	6,969.40	3,680.00	3,677.63	0.00	145.20	-30.30	2,866.62	3,578.92	5,786.89	5,683.84	103.05	56.154	
7,200.00	7,021.72	3,680.00	3,677.63	0.00	145.20	-31.32	2,866.62	3,578.92	5,761.44	5,666.33	95.11	60.574	
7,300.00	7,062.47	3,680.00	3,677.63	0.00	145.20	-32.78	2,866.62	3,578.92	5,726.92	5,637.60	89.32	64.117	
7,400.00	7,090.97	3,680.00	3,677.63	0.00	145.20	-34.78	2,866.62	3,578.92	5,683.75	5,596.80	86.95	65.365	
7,500.00	7,106.72	3,680.00	3,677.63	0.00	145.20	-37.42	2,866.62	3,578.92	5,632.49	5,543.60	88.89	63.368	
7,600.00	7,110.14	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,574.21	5,481.55	92.66	60.156	
7,700.00	7,110.55	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,515.20	5,422.54	92.66	59.519	
7,800.00	7,110.97	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,457.39	5,364.72	92.66	58.895	
7,900.00	7,111.38	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,400.81	5,308.14	92.66	58.285	
8,000.00	7,111.79	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,345.50	5,252.83	92.66	57.688	
8,100.00	7,112.21	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,291.50	5,198.84	92.66	57.105	
8,200.00	7,112.62	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,238.85	5,146.19	92.66	56.537	
8,300.00	7,113.03	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,187.60	5,094.94	92.66	55.984	
8,400.00	7,113.45	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,137.78	5,045.12	92.66	55.446	
8,500.00	7,113.86	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,089.44	4,996.78	92.66	54.925	
8,600.00	7,114.28	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,042.63	4,949.96	92.66	54.419	
8,700.00	7,114.69	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,997.37	4,904.71	92.66	53.931	
8,800.00	7,115.10	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,953.72	4,861.06	92.66	53.460	
8,900.00	7,115.52	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,911.72	4,819.05	92.66	53.007	
9,000.00	7,115.93	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,871.40	4,778.74	92.66	52.571	
9,100.00	7,116.35	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,832.82	4,740.16	92.66	52.155	
9,200.00	7,116.76	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,796.02	4,703.36	92.66	51.758	
9,300.00	7,117.17	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,761.03	4,668.37	92.66	51.380	
9,400.00	7,117.59	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,727.90	4,635.24	92.66	51.023	
9,500.00	7,118.00	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,696.67	4,604.01	92.66	50.686	
9,600.00	7,118.41	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,667.37	4,574.70	92.66	50.370	
9,700.00	7,118.83	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,640.04	4,547.37	92.66	50.075	
9,800.00	7,119.24	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,614.71	4,522.05	92.66	49.801	
9,900.00	7,119.66	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,591.43	4,498.76	92.66	49.550	
10,000.00	7,120.07	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,570.21	4,477.55	92.66	49.321	
10,100.00	7,120.48	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,551.09	4,458.43	92.66	49.115	
10,200.00	7,120.90	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,534.10	4,441.44	92.66	48.931	
10,300.00	7,121.31	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,519.26	4,426.60	92.66	48.771	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,506.59	4,413.92	92.66	48.634	
10,500.00	7,122.14	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,496.10	4,403.44	92.66	48.521	
10,600.00	7,122.55	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,487.82	4,395.16	92.66	48.432	
10,700.00	7,122.97	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,481.76	4,389.10	92.66	48.367	
10,800.00	7,123.38	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,477.92	4,385.26	92.66	48.325	
10,900.00	7,123.79	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,476.32	4,383.66	92.66	48.308	
10,921.88	7,123.89	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,476.27	4,383.60	92.66	48.307	CC, ES
11,000.00	7,124.21	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,476.95	4,384.29	92.66	48.315	
11,100.00	7,124.62	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,479.81	4,387.15	92.66	48.345	
11,200.00	7,125.04	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,484.90	4,392.24	92.66	48.400	
11,300.00	7,125.45	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,492.21	4,399.55	92.66	48.479	
11,400.00	7,125.86	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,501.73	4,409.07	92.66	48.582	
11,500.00	7,126.28	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,513.44	4,420.78	92.66	48.708	
11,600.00	7,126.69	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,527.34	4,434.68	92.66	48.858	
11,700.00	7,127.11	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,543.39	4,450.73	92.66	49.032	
11,800.00	7,127.52	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,561.58	4,468.92	92.66	49.228	
11,900.00	7,127.93	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,581.89	4,489.22	92.66	49.447	
12,000.00	7,128.35	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,604.27	4,511.61	92.66	49.689	
12,100.00	7,128.76	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,628.71	4,536.04	92.66	49.952	
12,200.00	7,129.18	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,655.16	4,562.50	92.66	50.238	
12,300.00	7,129.59	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,683.61	4,590.95	92.66	50.545	
12,400.00	7,130.00	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,714.00	4,621.34	92.66	50.873	
12,500.00	7,130.42	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,746.31	4,653.64	92.66	51.221	
12,600.00	7,130.83	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,780.49	4,687.82	92.66	51.590	
12,700.00	7,131.24	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,816.50	4,723.84	92.66	51.979	
12,800.00	7,131.66	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,854.31	4,761.65	92.66	52.387	
12,900.00	7,132.07	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,893.87	4,801.20	92.66	52.814	
13,000.00	7,132.49	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,935.13	4,842.47	92.66	53.259	
13,100.00	7,132.90	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	4,978.07	4,885.41	92.66	53.723	
13,200.00	7,133.31	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,022.63	4,929.97	92.66	54.203	
13,300.00	7,133.73	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,068.77	4,976.11	92.66	54.701	
13,400.00	7,134.14	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,116.45	5,023.79	92.66	55.216	
13,500.00	7,134.56	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,165.62	5,072.96	92.66	55.747	
13,600.00	7,134.97	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,216.25	5,123.59	92.66	56.293	
13,700.00	7,135.38	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,268.29	5,175.63	92.66	56.855	
13,800.00	7,135.80	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,321.71	5,229.04	92.66	57.431	
13,900.00	7,136.21	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,376.45	5,283.78	92.66	58.022	
14,000.00	7,136.62	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,432.48	5,339.81	92.66	58.626	
14,100.00	7,137.04	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,489.76	5,397.09	92.66	59.245	
14,200.00	7,137.45	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,548.25	5,455.58	92.66	59.876	
14,300.00	7,137.87	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,607.91	5,515.25	92.66	60.520	
14,400.00	7,138.28	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,668.71	5,576.05	92.66	61.176	
14,500.00	7,138.69	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,730.61	5,637.95	92.66	61.844	
14,600.00	7,139.11	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,793.58	5,700.92	92.66	62.523	
14,700.00	7,139.52	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,857.57	5,764.91	92.66	63.214	
14,800.00	7,139.94	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,922.57	5,829.90	92.66	63.915	
14,900.00	7,140.35	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	5,988.52	5,895.86	92.66	64.627	
15,000.00	7,140.76	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,055.41	5,962.75	92.66	65.349	
15,100.00	7,141.18	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,123.21	6,030.54	92.66	66.081	
15,200.00	7,141.59	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,191.87	6,099.21	92.66	66.822	
15,300.00	7,142.00	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,261.38	6,168.72	92.66	67.572	
15,400.00	7,142.42	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,331.71	6,239.05	92.66	68.331	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,402.82	6,310.16	92.66	69.098	
15,600.00	7,143.25	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,474.70	6,382.04	92.66	69.874	
15,700.00	7,143.66	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,547.32	6,454.66	92.66	70.658	
15,800.00	7,144.07	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,620.65	6,527.99	92.66	71.449	
15,900.00	7,144.49	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,694.67	6,602.01	92.66	72.248	
16,000.00	7,144.90	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,769.36	6,676.70	92.66	73.054	
16,100.00	7,145.32	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,844.70	6,752.04	92.66	73.867	
16,200.00	7,145.73	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,920.66	6,828.00	92.66	74.687	
16,300.00	7,146.14	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	6,997.23	6,904.56	92.66	75.513	
16,400.00	7,146.56	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,074.38	6,981.71	92.66	76.346	
16,500.00	7,146.97	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,152.09	7,059.43	92.66	77.184	
16,600.00	7,147.38	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,230.36	7,137.69	92.66	78.029	
16,700.00	7,147.80	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,309.15	7,216.49	92.66	78.879	
16,800.00	7,148.21	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,388.46	7,295.79	92.66	79.735	
16,900.00	7,148.63	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,468.26	7,375.60	92.66	80.596	
17,000.00	7,149.04	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,548.55	7,455.88	92.66	81.463	
17,100.00	7,149.45	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,629.30	7,536.63	92.66	82.334	
17,200.00	7,149.87	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,710.50	7,617.84	92.66	83.211	
17,232.03	7,150.00	3,680.00	3,677.63	0.00	145.20	-39.65	2,866.62	3,578.92	7,736.60	7,643.94	92.66	83.492	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	1.88	0.00	0.00	82.56	466.68	3,573.47	3,603.81				
100.00	100.00	98.12	100.00	0.00	1.96	82.56	466.68	3,573.47	3,603.81	3,601.85	1.96	1,836.241	CC, ES
200.00	200.00	100.00	101.88	0.00	2.00	82.56	466.68	3,573.47	3,605.15	3,603.15	2.00	1,802.395	SF
300.00	300.00	100.00	101.88	0.00	2.00	82.56	466.68	3,573.47	3,609.26	3,607.26	2.00	1,804.447	
400.00	399.98	100.00	101.88	0.00	2.00	172.48	466.68	3,573.47	3,617.85	3,615.85	2.00	1,809.826	
500.00	499.84	100.00	101.88	0.00	2.00	172.44	466.68	3,573.47	3,632.60	3,630.60	2.00	1,820.475	
600.00	599.47	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,653.20	3,651.21	1.99	1,834.089	
700.00	699.05	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,677.11	3,675.12	1.99	1,846.091	
800.00	798.62	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,703.56	3,701.57	1.99	1,859.372	
900.00	898.20	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,732.51	3,730.52	1.99	1,873.904	
1,000.00	997.77	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,763.89	3,761.90	1.99	1,889.659	
1,100.00	1,097.35	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,797.65	3,795.65	1.99	1,906.606	
1,200.00	1,196.92	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,833.71	3,831.72	1.99	1,924.714	
1,300.00	1,296.49	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,872.03	3,870.04	1.99	1,943.950	
1,400.00	1,396.07	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,912.52	3,910.53	1.99	1,964.281	
1,500.00	1,495.64	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,955.13	3,953.14	1.99	1,985.673	
1,600.00	1,595.22	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,999.79	3,997.80	1.99	2,008.093	
1,700.00	1,694.79	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,046.43	4,044.44	1.99	2,031.507	
1,800.00	1,794.37	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,094.97	4,092.98	1.99	2,055.880	
1,900.00	1,893.94	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,145.37	4,143.37	1.99	2,081.179	
2,000.00	1,993.51	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,197.54	4,195.54	1.99	2,107.371	
2,100.00	2,093.09	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,251.42	4,249.43	1.99	2,134.422	
2,200.00	2,192.66	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,306.95	4,304.96	1.99	2,162.301	
2,300.00	2,292.24	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,364.06	4,362.07	1.99	2,190.975	
2,400.00	2,391.81	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,422.70	4,420.71	1.99	2,220.415	
2,500.00	2,491.39	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,482.80	4,480.81	1.99	2,250.589	
2,600.00	2,590.96	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,544.31	4,542.32	1.99	2,281.470	
2,700.00	2,690.53	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,607.17	4,605.18	1.99	2,313.027	
2,800.00	2,790.11	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,671.32	4,669.33	1.99	2,345.235	
2,900.00	2,889.68	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,736.72	4,734.73	1.99	2,378.067	
3,000.00	2,989.26	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,803.31	4,801.31	1.99	2,411.497	
3,100.00	3,088.83	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,871.04	4,869.04	1.99	2,445.501	
3,200.00	3,188.41	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,939.86	4,937.87	1.99	2,480.055	
3,300.00	3,287.98	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,009.74	5,007.75	1.99	2,515.137	
3,400.00	3,387.56	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,080.62	5,078.63	1.99	2,550.724	
3,500.00	3,487.13	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,152.47	5,150.48	1.99	2,586.796	
3,600.00	3,586.70	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,225.25	5,223.25	1.99	2,623.333	
3,700.00	3,686.28	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,298.91	5,296.92	1.99	2,660.315	
3,800.00	3,785.85	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,373.42	5,371.43	1.99	2,697.725	
3,900.00	3,885.43	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,448.76	5,446.76	1.99	2,735.545	
4,000.00	3,985.00	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,524.87	5,522.88	1.99	2,773.758	
4,100.00	4,084.58	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,601.73	5,599.74	1.99	2,812.348	
4,200.00	4,184.15	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,679.32	5,677.33	1.99	2,851.300	
4,300.00	4,283.72	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,757.60	5,755.60	1.99	2,890.598	
4,400.00	4,383.30	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,836.54	5,834.54	1.99	2,930.230	
4,500.00	4,482.87	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,916.11	5,914.12	1.99	2,970.182	
4,600.00	4,582.45	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,996.30	5,994.31	1.99	3,010.441	
4,700.00	4,682.02	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,077.08	6,075.09	1.99	3,050.995	
4,800.00	4,781.60	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,158.42	6,156.43	1.99	3,091.832	
4,900.00	4,881.17	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,240.30	6,238.31	1.99	3,132.941	
5,000.00	4,980.74	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,322.71	6,320.71	1.99	3,174.312	
5,100.00	5,080.32	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,405.61	6,403.62	1.99	3,215.934	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,489.00	6,487.01	1.99	3,257.799	
5,300.00	5,279.47	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,572.85	6,570.86	1.99	3,299.896	
5,400.00	5,379.04	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,657.15	6,655.15	1.99	3,342.217	
5,500.00	5,478.62	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,741.87	6,739.88	1.99	3,384.754	
5,600.00	5,578.19	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,827.01	6,825.02	1.99	3,427.498	
5,700.00	5,677.77	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,912.55	6,910.56	1.99	3,470.442	
5,800.00	5,777.34	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,998.47	6,996.48	1.99	3,513.578	
5,900.00	5,876.91	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,084.76	7,082.77	1.99	3,556.900	
6,000.00	5,976.49	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,171.41	7,169.41	1.99	3,600.401	
6,100.00	6,076.06	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,258.39	7,256.40	1.99	3,644.074	
6,200.00	6,175.64	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,345.72	7,343.72	1.99	3,687.913	
6,300.00	6,275.24	100.00	101.88	0.00	2.00	172.59	466.68	3,573.47	7,433.23	7,431.23	1.99	3,727.540	
6,400.00	6,375.13	100.00	101.88	0.00	2.00	-5.65	466.68	3,573.47	7,517.84	7,515.84	2.00	3,761.241	
6,500.00	6,474.53	100.00	101.88	0.00	2.00	-5.03	466.68	3,573.47	7,595.39	7,593.41	1.97	3,851.734	
6,600.00	6,571.72	100.00	101.88	0.00	2.00	-4.46	466.68	3,573.47	7,664.72	7,662.81	1.91	4,009.793	
6,700.00	6,665.06	100.00	101.88	0.00	2.00	-4.05	466.68	3,573.47	7,724.90	7,723.08	1.82	4,248.094	
6,800.00	6,752.94	100.00	101.88	0.00	2.00	-3.76	466.68	3,573.47	7,775.11	7,773.41	1.69	4,588.826	
6,900.00	6,833.85	100.00	101.88	0.00	2.00	-3.56	466.68	3,573.47	7,814.69	7,813.15	1.54	5,069.794	
7,000.00	6,906.42	100.00	101.88	0.00	2.00	-3.42	466.68	3,573.47	7,843.14	7,841.77	1.36	5,757.137	
7,100.00	6,969.40	100.00	101.88	0.00	2.00	-3.35	466.68	3,573.47	7,860.08	7,858.92	1.16	6,774.162	
7,200.00	7,021.72	100.00	101.88	0.00	2.00	-3.33	466.68	3,573.47	7,865.30	7,864.36	0.94	8,375.462	
7,300.00	7,062.47	100.00	101.88	0.00	2.00	-3.36	466.68	3,573.47	7,858.74	7,858.04	0.70	N/A	
7,400.00	7,090.97	100.00	101.88	0.00	2.00	-3.44	466.68	3,573.47	7,840.48	7,840.02	0.46	N/A	
7,500.00	7,106.72	100.00	101.88	0.00	2.00	-3.58	466.68	3,573.47	7,810.76	7,810.53	0.22	N/A	
7,600.00	7,110.14	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,770.55	7,770.42	0.13	N/A	
7,700.00	7,110.55	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,728.66	7,728.53	0.13	N/A	
7,800.00	7,110.97	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,687.84	7,687.71	0.13	N/A	
7,900.00	7,111.38	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,648.12	7,647.99	0.13	N/A	
8,000.00	7,111.79	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,609.50	7,609.37	0.13	N/A	
8,100.00	7,112.21	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,572.00	7,571.87	0.13	N/A	
8,200.00	7,112.62	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,535.65	7,535.52	0.13	N/A	
8,300.00	7,113.03	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,500.45	7,500.32	0.13	N/A	
8,400.00	7,113.45	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,466.42	7,466.29	0.13	N/A	
8,500.00	7,113.86	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,433.59	7,433.46	0.13	N/A	
8,600.00	7,114.28	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,401.96	7,401.83	0.13	N/A	
8,700.00	7,114.69	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,371.55	7,371.42	0.13	N/A	
8,800.00	7,115.10	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,342.38	7,342.25	0.13	N/A	
8,900.00	7,115.52	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,314.46	7,314.33	0.13	N/A	
9,000.00	7,115.93	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,287.80	7,287.67	0.13	N/A	
9,100.00	7,116.35	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,262.42	7,262.29	0.13	N/A	
9,200.00	7,116.76	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,238.34	7,238.21	0.13	N/A	
9,300.00	7,117.17	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,215.56	7,215.43	0.13	N/A	
9,400.00	7,117.59	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,194.10	7,193.97	0.13	N/A	
9,500.00	7,118.00	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,173.97	7,173.84	0.13	N/A	
9,600.00	7,118.41	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,155.18	7,155.05	0.13	N/A	
9,700.00	7,118.83	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,137.74	7,137.61	0.13	N/A	
9,800.00	7,119.24	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,121.67	7,121.54	0.13	N/A	
9,900.00	7,119.66	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,106.96	7,106.83	0.13	N/A	
10,000.00	7,120.07	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,093.63	7,093.50	0.13	N/A	
10,100.00	7,120.48	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,081.69	7,081.56	0.13	N/A	
10,200.00	7,120.90	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,071.15	7,071.02	0.13	N/A	
10,300.00	7,121.31	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,062.01	7,061.88	0.13	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,054.27	7,054.14	0.13	N/A	
10,500.00	7,122.14	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,047.94	7,047.81	0.13	N/A	
10,600.00	7,122.55	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,043.02	7,042.89	0.13	N/A	
10,700.00	7,122.97	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,039.53	7,039.40	0.13	N/A	
10,800.00	7,123.38	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,037.45	7,037.32	0.13	N/A	
10,896.21	7,123.78	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,036.79	7,036.66	0.13	N/A	
10,900.00	7,123.79	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,036.79	7,036.66	0.13	N/A	
11,000.00	7,124.21	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,037.56	7,037.43	0.13	N/A	
11,100.00	7,124.62	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,039.74	7,039.61	0.13	N/A	
11,200.00	7,125.04	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,043.35	7,043.22	0.13	N/A	
11,300.00	7,125.45	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,048.37	7,048.24	0.13	N/A	
11,400.00	7,125.86	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,054.80	7,054.67	0.13	N/A	
11,500.00	7,126.28	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,062.65	7,062.52	0.13	N/A	
11,600.00	7,126.69	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,071.90	7,071.77	0.13	N/A	
11,700.00	7,127.11	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,082.55	7,082.42	0.13	N/A	
11,800.00	7,127.52	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,094.60	7,094.47	0.13	N/A	
11,900.00	7,127.93	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,108.03	7,107.90	0.13	N/A	
12,000.00	7,128.35	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,122.84	7,122.71	0.13	N/A	
12,100.00	7,128.76	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,139.02	7,138.89	0.13	N/A	
12,200.00	7,129.18	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,156.56	7,156.43	0.13	N/A	
12,300.00	7,129.59	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,175.45	7,175.32	0.13	N/A	
12,400.00	7,130.00	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,195.68	7,195.55	0.13	N/A	
12,500.00	7,130.42	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,217.24	7,217.11	0.13	N/A	
12,600.00	7,130.83	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,240.12	7,239.99	0.13	N/A	
12,700.00	7,131.24	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,264.31	7,264.18	0.13	N/A	
12,800.00	7,131.66	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,289.78	7,289.65	0.13	N/A	
12,900.00	7,132.07	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,316.53	7,316.40	0.13	N/A	
13,000.00	7,132.49	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,344.55	7,344.42	0.13	N/A	
13,100.00	7,132.90	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,373.82	7,373.69	0.13	N/A	
13,200.00	7,133.31	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,404.32	7,404.19	0.13	N/A	
13,300.00	7,133.73	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,436.04	7,435.91	0.13	N/A	
13,400.00	7,134.14	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,468.97	7,468.84	0.13	N/A	
13,500.00	7,134.56	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,503.08	7,502.95	0.13	N/A	
13,600.00	7,134.97	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,538.37	7,538.24	0.13	N/A	
13,700.00	7,135.38	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,574.81	7,574.68	0.13	N/A	
13,800.00	7,135.80	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,612.39	7,612.26	0.13	N/A	
13,900.00	7,136.21	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,651.09	7,650.96	0.13	N/A	
14,000.00	7,136.62	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,690.90	7,690.77	0.13	N/A	
14,100.00	7,137.04	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,731.80	7,731.67	0.13	N/A	
14,200.00	7,137.45	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,773.77	7,773.64	0.13	N/A	
14,300.00	7,137.87	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,816.79	7,816.66	0.13	N/A	
14,400.00	7,138.28	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,860.85	7,860.72	0.13	N/A	
14,500.00	7,138.69	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,905.93	7,905.80	0.13	N/A	
14,600.00	7,139.11	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,952.02	7,951.89	0.13	N/A	
14,700.00	7,139.52	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	7,999.08	7,998.95	0.13	N/A	
14,800.00	7,139.94	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,047.12	8,046.99	0.13	N/A	
14,900.00	7,140.35	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,096.10	8,095.97	0.13	N/A	
15,000.00	7,140.76	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,146.02	8,145.89	0.13	N/A	
15,100.00	7,141.18	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,196.85	8,196.72	0.13	N/A	
15,200.00	7,141.59	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,248.58	8,248.45	0.13	N/A	
15,300.00	7,142.00	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,301.20	8,301.07	0.13	N/A	
15,400.00	7,142.42	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,354.68	8,354.55	0.13	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,409.01	8,408.88	0.13	N/A	
15,600.00	7,143.25	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,464.17	8,464.04	0.13	N/A	
15,700.00	7,143.66	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,520.15	8,520.02	0.13	N/A	
15,800.00	7,144.07	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,576.93	8,576.80	0.13	N/A	
15,900.00	7,144.49	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,634.49	8,634.36	0.13	N/A	
16,000.00	7,144.90	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,692.82	8,692.69	0.13	N/A	
16,100.00	7,145.32	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,751.91	8,751.78	0.13	N/A	
16,200.00	7,145.73	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,811.74	8,811.61	0.13	N/A	
16,300.00	7,146.14	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,872.29	8,872.16	0.13	N/A	
16,400.00	7,146.56	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,933.54	8,933.41	0.13	N/A	
16,500.00	7,146.97	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	8,995.50	8,995.37	0.13	N/A	
16,600.00	7,147.38	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,058.13	9,058.00	0.13	N/A	
16,700.00	7,147.80	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,121.43	9,121.30	0.13	N/A	
16,800.00	7,148.21	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,185.38	9,185.25	0.13	N/A	
16,900.00	7,148.63	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,249.97	9,249.84	0.13	N/A	
17,000.00	7,149.04	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,315.19	9,315.06	0.13	N/A	
17,100.00	7,149.45	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,381.02	9,380.89	0.13	N/A	
17,200.00	7,149.87	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,447.45	9,447.32	0.13	N/A	
17,232.03	7,150.00	100.00	101.88	0.00	2.00	-3.72	466.68	3,573.47	9,468.85	9,468.72	0.13	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	42.78	0.00	0.00	126.30	-2,201.64	2,996.80	3,718.85				
100.00	100.00	57.22	100.00	0.00	1.14	126.30	-2,201.64	2,996.80	3,718.61	3,717.46	1.14	3,248.583	
122.08	122.08	79.30	122.08	0.00	1.59	126.30	-2,201.64	2,996.80	3,718.61	3,717.02	1.59	2,344.290	CC, ES
200.00	200.00	100.00	142.78	0.00	2.00	126.30	-2,201.64	2,996.80	3,719.05	3,717.05	2.00	1,859.337	SF
300.00	300.00	100.00	142.78	0.00	2.00	126.30	-2,201.64	2,996.80	3,721.93	3,719.93	2.00	1,860.778	
400.00	399.98	100.00	142.78	0.00	2.00	-143.67	-2,201.64	2,996.80	3,728.89	3,726.89	2.00	1,864.998	
500.00	499.84	100.00	142.78	0.00	2.00	-143.52	-2,201.64	2,996.80	3,741.31	3,739.32	2.00	1,873.419	
600.00	599.47	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,758.94	3,756.95	1.99	1,884.447	
700.00	699.05	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,779.70	3,777.71	1.99	1,894.856	
800.00	798.62	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,802.98	3,800.99	1.99	1,906.526	
900.00	898.20	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,828.73	3,826.74	1.99	1,919.435	
1,000.00	997.77	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,856.90	3,854.91	1.99	1,933.558	
1,100.00	1,097.35	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,887.44	3,885.45	1.99	1,948.869	
1,200.00	1,196.92	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,920.30	3,918.30	1.99	1,965.339	
1,300.00	1,296.49	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,955.41	3,953.41	1.99	1,982.941	
1,400.00	1,396.07	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,992.72	3,990.72	1.99	2,001.643	
1,500.00	1,495.64	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,032.16	4,030.16	1.99	2,021.416	
1,600.00	1,595.22	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,073.67	4,071.68	1.99	2,042.229	
1,700.00	1,694.79	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,117.20	4,115.20	1.99	2,064.050	
1,800.00	1,794.37	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,162.67	4,160.68	1.99	2,086.847	
1,900.00	1,893.94	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,210.03	4,208.04	1.99	2,110.588	
2,000.00	1,993.51	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,259.21	4,257.22	1.99	2,135.244	
2,100.00	2,093.09	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,310.15	4,308.15	1.99	2,160.781	
2,200.00	2,192.66	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,362.79	4,360.79	1.99	2,187.169	
2,300.00	2,292.24	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,417.06	4,415.06	1.99	2,214.377	
2,400.00	2,391.81	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,472.91	4,470.92	1.99	2,242.377	
2,500.00	2,491.39	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,530.28	4,528.29	1.99	2,271.138	
2,600.00	2,590.96	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,589.11	4,587.12	1.99	2,300.632	
2,700.00	2,690.53	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,649.35	4,647.36	1.99	2,330.831	
2,800.00	2,790.11	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,710.94	4,708.95	1.99	2,361.709	
2,900.00	2,889.68	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,773.84	4,771.84	1.99	2,393.238	
3,000.00	2,989.26	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,837.98	4,835.98	1.99	2,425.394	
3,100.00	3,088.83	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,903.32	4,901.32	1.99	2,458.151	
3,200.00	3,188.41	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,969.81	4,967.82	1.99	2,491.487	
3,300.00	3,287.98	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,037.42	5,035.42	1.99	2,525.378	
3,400.00	3,387.56	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,106.08	5,104.09	1.99	2,559.802	
3,500.00	3,487.13	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,175.77	5,173.78	1.99	2,594.738	
3,600.00	3,586.70	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,246.44	5,244.44	1.99	2,630.165	
3,700.00	3,686.28	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,318.05	5,316.05	1.99	2,666.065	
3,800.00	3,785.85	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,390.56	5,388.57	1.99	2,702.417	
3,900.00	3,885.43	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,463.94	5,461.95	1.99	2,739.205	
4,000.00	3,985.00	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,538.16	5,536.16	1.99	2,776.410	
4,100.00	4,084.58	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,613.17	5,611.18	1.99	2,814.017	
4,200.00	4,184.15	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,688.96	5,686.96	1.99	2,852.009	
4,300.00	4,283.72	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,765.48	5,763.48	1.99	2,890.372	
4,400.00	4,383.30	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,842.71	5,840.71	1.99	2,929.089	
4,500.00	4,482.87	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,920.62	5,918.63	1.99	2,968.149	
4,600.00	4,582.45	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,999.19	5,997.20	1.99	3,007.537	
4,700.00	4,682.02	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,078.39	6,076.39	1.99	3,047.241	
4,800.00	4,781.60	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,158.19	6,156.20	1.99	3,087.248	
4,900.00	4,881.17	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,238.58	6,236.58	1.99	3,127.547	
5,000.00	4,980.74	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,319.52	6,317.53	1.99	3,168.127	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,401.00	6,399.01	1.99	3,208.976	
5,200.00	5,179.89	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,483.01	6,481.01	1.99	3,250.086	
5,300.00	5,279.47	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,565.51	6,563.51	1.99	3,291.446	
5,400.00	5,379.04	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,648.49	6,646.49	1.99	3,333.046	
5,500.00	5,478.62	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,731.93	6,729.94	1.99	3,374.879	
5,600.00	5,578.19	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,815.82	6,813.83	1.99	3,416.935	
5,700.00	5,677.77	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,900.14	6,898.15	1.99	3,459.206	
5,800.00	5,777.34	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,984.87	6,982.88	1.99	3,501.684	
5,900.00	5,876.91	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,070.01	7,068.01	1.99	3,544.363	
6,000.00	5,976.49	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,155.52	7,153.53	1.99	3,587.234	
6,100.00	6,076.06	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,241.41	7,239.42	1.99	3,630.292	
6,200.00	6,175.64	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,327.66	7,325.66	1.99	3,673.529	
6,300.00	6,275.24	100.00	142.78	0.00	2.00	-144.19	-2,201.64	2,996.80	7,414.14	7,412.14	2.00	3,714.223	
6,400.00	6,375.13	100.00	142.78	0.00	2.00	30.72	-2,201.64	2,996.80	7,498.22	7,496.23	2.00	3,750.744	
6,500.00	6,474.53	100.00	142.78	0.00	2.00	26.03	-2,201.64	2,996.80	7,576.24	7,574.26	1.98	3,831.735	
6,600.00	6,571.72	100.00	142.78	0.00	2.00	22.88	-2,201.64	2,996.80	7,647.01	7,645.08	1.92	3,973.067	
6,700.00	6,665.06	100.00	142.78	0.00	2.00	20.64	-2,201.64	2,996.80	7,709.53	7,707.69	1.84	4,187.281	
6,800.00	6,752.94	100.00	142.78	0.00	2.00	19.03	-2,201.64	2,996.80	7,762.96	7,761.23	1.73	4,491.999	
6,900.00	6,833.85	100.00	142.78	0.00	2.00	17.87	-2,201.64	2,996.80	7,806.56	7,804.97	1.59	4,914.419	
7,000.00	6,906.42	100.00	142.78	0.00	2.00	17.08	-2,201.64	2,996.80	7,839.77	7,838.34	1.43	5,497.174	
7,100.00	6,969.40	100.00	142.78	0.00	2.00	16.58	-2,201.64	2,996.80	7,862.15	7,860.90	1.25	6,306.892	
7,200.00	7,021.72	100.00	142.78	0.00	2.00	16.33	-2,201.64	2,996.80	7,873.41	7,872.35	1.06	7,443.438	
7,300.00	7,062.47	100.00	142.78	0.00	2.00	16.33	-2,201.64	2,996.80	7,873.40	7,872.53	0.87	9,027.379	
7,400.00	7,090.97	100.00	142.78	0.00	2.00	16.57	-2,201.64	2,996.80	7,862.13	7,861.42	0.71	N/A	
7,500.00	7,106.72	100.00	142.78	0.00	2.00	17.07	-2,201.64	2,996.80	7,839.74	7,839.13	0.61	N/A	
7,600.00	7,110.14	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,807.13	7,806.52	0.60	N/A	
7,700.00	7,110.55	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,772.93	7,772.33	0.60	N/A	
7,800.00	7,110.97	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,739.88	7,739.28	0.60	N/A	
7,900.00	7,111.38	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,707.98	7,707.38	0.60	N/A	
8,000.00	7,111.79	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,677.26	7,676.65	0.60	N/A	
8,100.00	7,112.21	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,647.72	7,647.11	0.60	N/A	
8,200.00	7,112.62	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,619.37	7,618.77	0.60	N/A	
8,300.00	7,113.03	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,592.24	7,591.63	0.60	N/A	
8,400.00	7,113.45	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,566.33	7,565.73	0.60	N/A	
8,500.00	7,113.86	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,541.66	7,541.05	0.60	N/A	
8,600.00	7,114.28	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,518.24	7,517.63	0.60	N/A	
8,700.00	7,114.69	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,496.07	7,495.47	0.60	N/A	
8,800.00	7,115.10	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,475.19	7,474.58	0.60	N/A	
8,900.00	7,115.52	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,455.58	7,454.98	0.60	N/A	
9,000.00	7,115.93	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,437.27	7,436.66	0.60	N/A	
9,100.00	7,116.35	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,420.26	7,419.65	0.60	N/A	
9,200.00	7,116.76	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,404.56	7,403.95	0.60	N/A	
9,300.00	7,117.17	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,390.18	7,389.57	0.60	N/A	
9,400.00	7,117.59	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,377.13	7,376.52	0.60	N/A	
9,500.00	7,118.00	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,365.41	7,364.80	0.60	N/A	
9,600.00	7,118.41	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,355.03	7,354.43	0.60	N/A	
9,700.00	7,118.83	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,346.00	7,345.40	0.60	N/A	
9,800.00	7,119.24	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,338.33	7,337.72	0.60	N/A	
9,900.00	7,119.66	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,332.00	7,331.40	0.60	N/A	
10,000.00	7,120.07	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,327.04	7,326.44	0.60	N/A	
10,100.00	7,120.48	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,323.44	7,322.84	0.60	N/A	
10,200.00	7,120.90	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,321.21	7,320.60	0.60	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,320.34	7,319.73	0.60	N/A	
10,313.68	7,121.37	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,320.33	7,319.72	0.60	N/A	
10,400.00	7,121.73	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,320.83	7,320.23	0.60	N/A	
10,500.00	7,122.14	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,322.70	7,322.09	0.60	N/A	
10,600.00	7,122.55	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,325.92	7,325.32	0.60	N/A	
10,700.00	7,122.97	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,330.51	7,329.91	0.60	N/A	
10,800.00	7,123.38	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,336.46	7,335.86	0.60	N/A	
10,900.00	7,123.79	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,343.77	7,343.16	0.60	N/A	
11,000.00	7,124.21	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,352.43	7,351.82	0.60	N/A	
11,100.00	7,124.62	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,362.44	7,361.83	0.60	N/A	
11,200.00	7,125.04	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,373.79	7,373.18	0.60	N/A	
11,300.00	7,125.45	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,386.47	7,385.87	0.60	N/A	
11,400.00	7,125.86	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,400.49	7,399.89	0.60	N/A	
11,500.00	7,126.28	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,415.83	7,415.22	0.60	N/A	
11,600.00	7,126.69	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,432.48	7,431.88	0.60	N/A	
11,700.00	7,127.11	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,450.44	7,449.84	0.60	N/A	
11,800.00	7,127.52	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,469.69	7,469.09	0.60	N/A	
11,900.00	7,127.93	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,490.23	7,489.63	0.60	N/A	
12,000.00	7,128.35	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,512.05	7,511.44	0.60	N/A	
12,100.00	7,128.76	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,535.12	7,534.52	0.60	N/A	
12,200.00	7,129.18	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,559.46	7,558.85	0.60	N/A	
12,300.00	7,129.59	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,585.03	7,584.42	0.60	N/A	
12,400.00	7,130.00	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,611.83	7,611.22	0.60	N/A	
12,500.00	7,130.42	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,639.84	7,639.24	0.60	N/A	
12,600.00	7,130.83	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,669.06	7,668.45	0.60	N/A	
12,700.00	7,131.24	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,699.46	7,698.86	0.60	N/A	
12,800.00	7,131.66	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,731.04	7,730.43	0.60	N/A	
12,900.00	7,132.07	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,763.78	7,763.17	0.60	N/A	
13,000.00	7,132.49	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,797.66	7,797.05	0.60	N/A	
13,100.00	7,132.90	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,832.67	7,832.07	0.60	N/A	
13,200.00	7,133.31	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,868.80	7,868.20	0.60	N/A	
13,300.00	7,133.73	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,906.03	7,905.42	0.60	N/A	
13,400.00	7,134.14	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,944.34	7,943.74	0.60	N/A	
13,500.00	7,134.56	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	7,983.72	7,983.12	0.60	N/A	
13,600.00	7,134.97	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,024.15	8,023.55	0.60	N/A	
13,700.00	7,135.38	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,065.63	8,065.02	0.60	N/A	
13,800.00	7,135.80	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,108.12	8,107.51	0.60	N/A	
13,900.00	7,136.21	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,151.62	8,151.01	0.60	N/A	
14,000.00	7,136.62	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,196.10	8,195.50	0.60	N/A	
14,100.00	7,137.04	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,241.56	8,240.96	0.60	N/A	
14,200.00	7,137.45	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,287.98	8,287.38	0.60	N/A	
14,300.00	7,137.87	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,335.34	8,334.74	0.60	N/A	
14,400.00	7,138.28	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,383.62	8,383.02	0.60	N/A	
14,500.00	7,138.69	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,432.82	8,432.21	0.60	N/A	
14,600.00	7,139.11	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,482.91	8,482.30	0.60	N/A	
14,700.00	7,139.52	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,533.87	8,533.27	0.60	N/A	
14,800.00	7,139.94	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,585.70	8,585.09	0.60	N/A	
14,900.00	7,140.35	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,638.37	8,637.77	0.60	N/A	
15,000.00	7,140.76	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,691.88	8,691.27	0.60	N/A	
15,100.00	7,141.18	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,746.20	8,745.60	0.60	N/A	
15,200.00	7,141.59	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,801.32	8,800.72	0.60	N/A	
15,300.00	7,142.00	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,857.23	8,856.63	0.60	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,913.91	8,913.31	0.60	N/A	
15,500.00	7,142.83	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	8,971.35	8,970.74	0.60	N/A	
15,600.00	7,143.25	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,029.53	9,028.92	0.60	N/A	
15,700.00	7,143.66	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,088.43	9,087.83	0.60	N/A	
15,800.00	7,144.07	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,148.05	9,147.45	0.60	N/A	
15,900.00	7,144.49	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,208.37	9,207.77	0.60	N/A	
16,000.00	7,144.90	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,269.38	9,268.77	0.60	N/A	
16,100.00	7,145.32	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,331.06	9,330.45	0.60	N/A	
16,200.00	7,145.73	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,393.40	9,392.79	0.60	N/A	
16,300.00	7,146.14	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,456.38	9,455.78	0.60	N/A	
16,400.00	7,146.56	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,520.00	9,519.40	0.60	N/A	
16,500.00	7,146.97	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,584.24	9,583.64	0.60	N/A	
16,600.00	7,147.38	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,649.09	9,648.49	0.60	N/A	
16,700.00	7,147.80	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,714.54	9,713.93	0.60	N/A	
16,800.00	7,148.21	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,780.57	9,779.96	0.60	N/A	
16,900.00	7,148.63	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,847.17	9,846.57	0.60	N/A	
17,000.00	7,149.04	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,914.33	9,913.73	0.60	N/A	
17,100.00	7,149.45	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	9,982.05	9,981.44	0.60	N/A	
17,200.00	7,149.87	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	10,050.30	10,049.70	0.60	N/A	
17,232.03	7,150.00	100.00	142.78	0.00	2.00	17.57	-2,201.64	2,996.80	10,072.28	10,071.67	0.60	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	10.74	0.00	0.00	63.13	3,172.59	6,262.69	7,020.45				
100.00	100.00	89.26	100.00	0.00	1.79	63.13	3,172.59	6,262.69	7,020.44	7,018.66	1.79	3,932.092	
200.00	200.00	189.26	200.00	0.00	5.57	63.13	3,172.59	6,262.69	7,020.44	7,014.87	5.57	1,260.267	
300.00	300.00	289.26	300.00	0.00	9.57	63.13	3,172.59	6,262.69	7,020.44	7,010.87	9.57	733.543	
400.00	399.98	389.24	399.98	0.00	13.57	153.07	3,172.59	6,262.69	7,022.00	7,008.44	13.56	517.724	
500.00	499.84	489.10	499.84	0.00	17.56	153.05	3,172.59	6,262.69	7,026.67	7,009.14	17.53	400.834	
600.00	599.47	588.73	599.47	0.00	21.55	153.04	3,172.59	6,262.69	7,034.24	7,012.77	21.48	327.529	
700.00	699.05	688.31	699.05	0.00	25.53	153.07	3,172.59	6,262.69	7,042.47	7,017.02	25.45	276.760	
800.00	798.62	787.88	798.62	0.00	29.52	153.10	3,172.59	6,262.69	7,050.69	7,021.28	29.42	239.692	
900.00	898.20	887.46	898.20	0.00	33.50	153.14	3,172.59	6,262.69	7,058.92	7,025.54	33.39	211.440	
1,000.00	997.77	987.03	997.77	0.00	37.48	153.17	3,172.59	6,262.69	7,067.15	7,029.80	37.35	189.192	
1,100.00	1,097.35	1,086.61	1,097.35	0.00	41.46	153.21	3,172.59	6,262.69	7,075.38	7,034.06	41.32	171.218	
1,200.00	1,196.92	1,186.18	1,196.92	0.00	45.45	153.24	3,172.59	6,262.69	7,083.62	7,038.33	45.29	156.395	
1,300.00	1,296.49	1,285.75	1,296.49	0.00	49.43	153.27	3,172.59	6,262.69	7,091.86	7,042.59	49.26	143.960	
1,400.00	1,396.07	1,385.33	1,396.07	0.00	53.41	153.31	3,172.59	6,262.69	7,100.10	7,046.87	53.23	133.380	
1,500.00	1,495.64	1,484.90	1,495.64	0.00	57.40	153.34	3,172.59	6,262.69	7,108.34	7,051.14	57.20	124.269	
1,600.00	1,595.22	1,584.48	1,595.22	0.00	61.38	153.37	3,172.59	6,262.69	7,116.59	7,055.42	61.17	116.340	
1,700.00	1,694.79	1,684.05	1,694.79	0.00	65.36	153.41	3,172.59	6,262.69	7,124.83	7,059.69	65.14	109.377	
1,800.00	1,794.37	1,783.63	1,794.37	0.00	69.35	153.44	3,172.59	6,262.69	7,133.08	7,063.97	69.11	103.215	
1,900.00	1,893.94	1,883.20	1,893.94	0.00	73.33	153.47	3,172.59	6,262.69	7,141.34	7,068.26	73.08	97.722	
2,000.00	1,993.51	1,982.77	1,993.51	0.00	77.31	153.51	3,172.59	6,262.69	7,149.59	7,072.54	77.05	92.794	
2,100.00	2,093.09	2,082.35	2,093.09	0.00	81.29	153.54	3,172.59	6,262.69	7,157.85	7,076.83	81.02	88.350	
2,200.00	2,192.66	2,181.92	2,192.66	0.00	85.28	153.57	3,172.59	6,262.69	7,166.11	7,081.12	84.99	84.321	
2,300.00	2,292.24	2,281.50	2,292.24	0.00	89.26	153.60	3,172.59	6,262.69	7,174.37	7,085.41	88.96	80.651	
2,400.00	2,391.81	2,381.07	2,391.81	0.00	93.24	153.64	3,172.59	6,262.69	7,182.63	7,089.71	92.92	77.295	
2,500.00	2,491.39	2,480.65	2,491.39	0.00	97.23	153.67	3,172.59	6,262.69	7,190.90	7,094.00	96.89	74.214	
2,600.00	2,590.96	2,580.22	2,590.96	0.00	101.21	153.70	3,172.59	6,262.69	7,199.17	7,098.30	100.86	71.376	
2,700.00	2,690.53	2,679.79	2,690.53	0.00	105.19	153.73	3,172.59	6,262.69	7,207.44	7,102.61	104.83	68.752	
2,800.00	2,790.11	2,779.37	2,790.11	0.00	109.17	153.77	3,172.59	6,262.69	7,215.71	7,106.91	108.80	66.320	
2,900.00	2,889.68	2,878.94	2,889.68	0.00	113.16	153.80	3,172.59	6,262.69	7,223.99	7,111.22	112.77	64.059	
3,000.00	2,989.26	2,978.52	2,989.26	0.00	117.14	153.83	3,172.59	6,262.69	7,232.26	7,115.52	116.74	61.952	
3,100.00	3,088.83	3,078.09	3,088.83	0.00	121.12	153.86	3,172.59	6,262.69	7,240.54	7,119.84	120.71	59.984	
3,200.00	3,188.41	3,177.67	3,188.41	0.00	125.11	153.90	3,172.59	6,262.69	7,248.83	7,124.15	124.68	58.141	
3,300.00	3,287.98	3,277.24	3,287.98	0.00	129.09	153.93	3,172.59	6,262.69	7,257.11	7,128.46	128.65	56.411	
3,400.00	3,387.56	3,376.82	3,387.56	0.00	133.07	153.96	3,172.59	6,262.69	7,265.40	7,132.78	132.62	54.785	
3,500.00	3,487.13	3,476.39	3,487.13	0.00	137.06	153.99	3,172.59	6,262.69	7,273.69	7,137.10	136.58	53.254	
3,600.00	3,586.70	3,575.96	3,586.70	0.00	141.04	154.02	3,172.59	6,262.69	7,281.98	7,141.42	140.55	51.809	
3,700.00	3,686.28	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,290.27	7,145.77	144.50	50.451	
3,800.00	3,785.85	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,299.25	7,154.75	144.50	50.513	
3,900.00	3,885.43	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,309.59	7,165.09	144.50	50.585	
4,000.00	3,985.00	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,321.28	7,176.78	144.50	50.666	
4,100.00	4,084.58	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,334.32	7,189.82	144.50	50.756	
4,200.00	4,184.15	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,348.69	7,204.19	144.50	50.856	
4,300.00	4,283.72	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,364.40	7,219.89	144.50	50.964	
4,400.00	4,383.30	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,381.42	7,236.92	144.50	51.082	
4,500.00	4,482.87	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,399.76	7,255.26	144.50	51.209	
4,600.00	4,582.45	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,419.40	7,274.90	144.50	51.345	
4,700.00	4,682.02	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,440.33	7,295.83	144.50	51.490	
4,800.00	4,781.60	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,462.54	7,318.04	144.50	51.643	
4,900.00	4,881.17	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,486.03	7,341.53	144.50	51.806	
5,000.00	4,980.74	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,510.77	7,366.27	144.50	51.977	
5,100.00	5,080.32	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,536.76	7,392.26	144.50	52.157	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,563.98	7,419.48	144.50	52.345	
5,300.00	5,279.47	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,592.42	7,447.92	144.50	52.542	
5,400.00	5,379.04	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,622.06	7,477.56	144.50	52.747	
5,500.00	5,478.62	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,652.90	7,508.40	144.50	52.961	
5,600.00	5,578.19	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,684.92	7,540.41	144.50	53.182	
5,700.00	5,677.77	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,718.09	7,573.59	144.50	53.412	
5,800.00	5,777.34	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,752.42	7,607.92	144.50	53.649	
5,900.00	5,876.91	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,787.88	7,643.38	144.50	53.895	
6,000.00	5,976.49	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,824.46	7,679.95	144.50	54.148	
6,100.00	6,076.06	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,862.13	7,717.63	144.50	54.409	
6,200.00	6,175.64	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,900.90	7,756.40	144.50	54.677	
6,300.00	6,275.24	3,675.00	3,685.74	0.00	145.00	154.20	3,172.59	6,262.69	7,940.51	7,795.87	144.64	54.899	
6,400.00	6,375.13	3,675.00	3,685.74	0.00	145.00	-24.20	3,172.59	6,262.69	7,975.89	7,830.97	144.91	55.039	
6,500.00	6,474.53	3,675.00	3,685.74	0.00	145.00	-23.67	3,172.59	6,262.69	8,001.16	7,857.89	143.27	55.847	
6,600.00	6,571.72	3,675.00	3,685.74	0.00	145.00	-23.26	3,172.59	6,262.69	8,015.90	7,876.34	139.56	57.437	
6,700.00	6,665.06	3,675.00	3,685.74	0.00	145.00	-23.15	3,172.59	6,262.69	8,019.93	7,886.04	133.89	59.900	
6,800.00	6,752.94	3,675.00	3,685.74	0.00	145.00	-23.36	3,172.59	6,262.69	8,013.18	7,886.69	126.49	63.352	
6,900.00	6,833.85	3,675.00	3,685.74	0.00	145.00	-23.90	3,172.59	6,262.69	7,995.75	7,878.02	117.73	67.916	
7,000.00	6,906.42	3,675.00	3,685.74	0.00	145.00	-24.80	3,172.59	6,262.69	7,967.86	7,859.67	108.18	73.651	
7,100.00	6,969.40	3,675.00	3,685.74	0.00	145.00	-26.13	3,172.59	6,262.69	7,929.88	7,831.18	98.70	80.340	
7,200.00	7,021.72	3,675.00	3,685.74	0.00	145.00	-27.98	3,172.59	6,262.69	7,882.34	7,791.79	90.55	87.051	
7,300.00	7,062.47	3,675.00	3,685.74	0.00	145.00	-30.49	3,172.59	6,262.69	7,825.86	7,740.44	85.42	91.621	
7,400.00	7,090.97	3,675.00	3,685.74	0.00	145.00	-33.88	3,172.59	6,262.69	7,761.24	7,676.10	85.13	91.168	
7,500.00	7,106.72	3,675.00	3,685.74	0.00	145.00	-38.46	3,172.59	6,262.69	7,689.38	7,598.58	90.80	84.686	
7,600.00	7,110.14	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,611.64	7,513.75	97.89	77.756	
7,700.00	7,110.55	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,532.99	7,435.09	97.89	76.953	
7,800.00	7,110.97	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,454.84	7,356.95	97.89	76.155	
7,900.00	7,111.38	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,377.22	7,279.33	97.89	75.362	
8,000.00	7,111.79	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,300.14	7,202.25	97.89	74.574	
8,100.00	7,112.21	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,223.63	7,125.74	97.89	73.793	
8,200.00	7,112.62	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,147.69	7,049.80	97.89	73.017	
8,300.00	7,113.03	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	7,072.36	6,974.47	97.89	72.247	
8,400.00	7,113.45	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,997.64	6,899.75	97.89	71.484	
8,500.00	7,113.86	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,923.56	6,825.67	97.89	70.727	
8,600.00	7,114.28	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,850.14	6,752.25	97.89	69.977	
8,700.00	7,114.69	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,777.40	6,679.51	97.89	69.234	
8,800.00	7,115.10	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,705.36	6,607.47	97.89	68.498	
8,900.00	7,115.52	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,634.05	6,536.16	97.89	67.770	
9,000.00	7,115.93	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,563.49	6,465.60	97.89	67.049	
9,100.00	7,116.35	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,493.70	6,395.81	97.89	66.336	
9,200.00	7,116.76	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,424.71	6,326.81	97.89	65.631	
9,300.00	7,117.17	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,356.54	6,258.65	97.89	64.935	
9,400.00	7,117.59	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,289.22	6,191.33	97.89	64.247	
9,500.00	7,118.00	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,222.78	6,124.89	97.89	63.569	
9,600.00	7,118.41	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,157.25	6,059.36	97.89	62.899	
9,700.00	7,118.83	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,092.66	5,994.77	97.89	62.239	
9,800.00	7,119.24	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	6,029.03	5,931.14	97.89	61.589	
9,900.00	7,119.66	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,966.40	5,868.51	97.89	60.949	
10,000.00	7,120.07	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,904.80	5,806.91	97.89	60.320	
10,100.00	7,120.48	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,844.26	5,746.37	97.89	59.702	
10,200.00	7,120.90	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,784.82	5,686.93	97.89	59.095	
10,300.00	7,121.31	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,726.51	5,628.62	97.89	58.499	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,669.36	5,571.47	97.89	57.915	
10,500.00	7,122.14	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,613.41	5,515.52	97.89	57.343	
10,600.00	7,122.55	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,558.69	5,460.80	97.89	56.785	
10,700.00	7,122.97	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,505.25	5,407.36	97.89	56.239	
10,800.00	7,123.38	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,453.12	5,355.23	97.89	55.706	
10,900.00	7,123.79	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,402.34	5,304.45	97.89	55.187	
11,000.00	7,124.21	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,352.94	5,255.05	97.89	54.683	
11,100.00	7,124.62	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,304.97	5,207.08	97.89	54.193	
11,200.00	7,125.04	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,258.47	5,160.58	97.89	53.718	
11,300.00	7,125.45	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,213.46	5,115.57	97.89	53.258	
11,400.00	7,125.86	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,170.00	5,072.11	97.89	52.814	
11,500.00	7,126.28	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,128.13	5,030.23	97.89	52.386	
11,600.00	7,126.69	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,087.87	4,989.98	97.89	51.975	
11,700.00	7,127.11	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,049.27	4,951.38	97.89	51.581	
11,800.00	7,127.52	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,012.37	4,914.48	97.89	51.204	
11,900.00	7,127.93	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,977.21	4,879.32	97.89	50.844	
12,000.00	7,128.35	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,943.82	4,845.93	97.89	50.503	
12,100.00	7,128.76	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,912.24	4,814.34	97.89	50.181	
12,200.00	7,129.18	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,882.50	4,784.61	97.89	49.877	
12,300.00	7,129.59	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,854.64	4,756.75	97.89	49.592	
12,400.00	7,130.00	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,828.69	4,730.80	97.89	49.327	
12,500.00	7,130.42	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,804.68	4,706.79	97.89	49.082	
12,600.00	7,130.83	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,782.65	4,684.76	97.89	48.857	
12,700.00	7,131.24	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,762.61	4,664.72	97.89	48.652	
12,800.00	7,131.66	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,744.59	4,646.70	97.89	48.468	
12,900.00	7,132.07	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,728.63	4,630.74	97.89	48.305	
13,000.00	7,132.49	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,714.73	4,616.83	97.89	48.163	
13,100.00	7,132.90	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,702.91	4,605.02	97.89	48.042	
13,200.00	7,133.31	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,693.20	4,595.31	97.89	47.943	
13,300.00	7,133.73	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,685.60	4,587.71	97.89	47.866	
13,400.00	7,134.14	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,680.12	4,582.23	97.89	47.810	
13,500.00	7,134.56	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,676.78	4,578.89	97.89	47.775	
13,600.00	7,134.97	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,675.58	4,577.69	97.89	47.763	
13,606.34	7,135.00	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,675.57	4,577.68	97.89	47.763	CC, ES, SF
13,700.00	7,135.38	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,676.51	4,578.62	97.89	47.773	
13,800.00	7,135.80	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,679.58	4,581.69	97.89	47.804	
13,900.00	7,136.21	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,684.79	4,586.90	97.89	47.857	
14,000.00	7,136.62	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,692.12	4,594.23	97.89	47.932	
14,100.00	7,137.04	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,701.56	4,603.67	97.89	48.029	
14,200.00	7,137.45	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,713.11	4,615.22	97.89	48.147	
14,300.00	7,137.87	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,726.75	4,628.86	97.89	48.286	
14,400.00	7,138.28	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,742.46	4,644.56	97.89	48.446	
14,500.00	7,138.69	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,760.21	4,662.32	97.89	48.628	
14,600.00	7,139.11	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,779.99	4,682.10	97.89	48.830	
14,700.00	7,139.52	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,801.78	4,703.89	97.89	49.052	
14,800.00	7,139.94	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,825.54	4,727.65	97.89	49.295	
14,900.00	7,140.35	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,851.24	4,753.35	97.89	49.558	
15,000.00	7,140.76	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,878.86	4,780.97	97.89	49.840	
15,100.00	7,141.18	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,908.36	4,810.47	97.89	50.141	
15,200.00	7,141.59	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,939.71	4,841.82	97.89	50.461	
15,300.00	7,142.00	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	4,972.87	4,874.98	97.89	50.800	
15,400.00	7,142.42	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,007.81	4,909.92	97.89	51.157	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,044.49	4,946.60	97.89	51.532	
15,600.00	7,143.25	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,082.88	4,984.99	97.89	51.924	
15,700.00	7,143.66	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,122.93	5,025.04	97.89	52.333	
15,800.00	7,144.07	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,164.60	5,066.71	97.89	52.759	
15,900.00	7,144.49	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,207.86	5,109.97	97.89	53.201	
16,000.00	7,144.90	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,252.67	5,154.78	97.89	53.658	
16,100.00	7,145.32	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,298.99	5,201.10	97.89	54.132	
16,200.00	7,145.73	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,346.78	5,248.89	97.89	54.620	
16,300.00	7,146.14	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,396.00	5,298.11	97.89	55.123	
16,400.00	7,146.56	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,446.61	5,348.71	97.89	55.640	
16,500.00	7,146.97	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,498.57	5,400.68	97.89	56.170	
16,600.00	7,147.38	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,551.84	5,453.95	97.89	56.715	
16,700.00	7,147.80	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,606.40	5,508.51	97.89	57.272	
16,800.00	7,148.21	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,662.19	5,564.30	97.89	57.842	
16,900.00	7,148.63	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,719.19	5,621.30	97.89	58.424	
17,000.00	7,149.04	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,777.36	5,679.47	97.89	59.018	
17,100.00	7,149.45	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,836.66	5,738.77	97.89	59.624	
17,200.00	7,149.87	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,897.06	5,799.17	97.89	60.241	
17,232.03	7,150.00	3,675.00	3,685.74	0.00	145.00	-42.46	3,172.59	6,262.69	5,916.64	5,818.75	97.89	60.441	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	54.55	0.00	0.00	1.09	82.95	740.78	5,988.50	6,034.14				
100.00	100.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,034.39	6,032.39	2.00	3,016.893	ES, SF
200.00	200.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,036.12	6,034.12	2.00	3,017.759	
300.00	300.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,039.51	6,037.51	2.00	3,019.453	
400.00	399.98	100.00	45.45	0.00	2.00	172.88	740.78	5,988.50	6,046.28	6,044.28	2.00	3,024.651	
500.00	499.84	100.00	45.45	0.00	2.00	172.85	740.78	5,988.50	6,058.13	6,056.14	2.00	3,036.044	
600.00	599.47	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,074.81	6,072.82	1.99	3,049.882	
700.00	699.05	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,093.80	6,091.81	1.99	3,059.412	
800.00	798.62	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,114.36	6,112.37	1.99	3,069.734	
900.00	898.20	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,136.48	6,134.49	1.99	3,080.840	
1,000.00	997.77	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,160.14	6,158.15	1.99	3,092.721	
1,100.00	1,097.35	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,185.33	6,183.34	1.99	3,105.368	
1,200.00	1,196.92	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,212.03	6,210.04	1.99	3,118.772	
1,300.00	1,296.49	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,240.22	6,238.23	1.99	3,132.924	
1,400.00	1,396.07	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,269.87	6,267.88	1.99	3,147.813	
1,500.00	1,495.64	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,300.98	6,298.99	1.99	3,163.428	
1,600.00	1,595.22	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,333.51	6,331.52	1.99	3,179.760	
1,700.00	1,694.79	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,367.44	6,365.45	1.99	3,196.796	
1,800.00	1,794.37	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,402.76	6,400.77	1.99	3,214.527	
1,900.00	1,893.94	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,439.43	6,437.44	1.99	3,232.940	
2,000.00	1,993.51	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,477.45	6,475.45	1.99	3,252.024	
2,100.00	2,093.09	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,516.77	6,514.78	1.99	3,271.767	
2,200.00	2,192.66	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,557.38	6,555.39	1.99	3,292.158	
2,300.00	2,292.24	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,599.26	6,597.27	1.99	3,313.183	
2,400.00	2,391.81	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,642.38	6,640.39	1.99	3,334.832	
2,500.00	2,491.39	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,686.72	6,684.73	1.99	3,357.093	
2,600.00	2,590.96	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,732.26	6,730.26	1.99	3,379.952	
2,700.00	2,690.53	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,778.96	6,776.97	1.99	3,403.399	
2,800.00	2,790.11	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,826.80	6,824.81	1.99	3,427.421	
2,900.00	2,889.68	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,875.77	6,873.78	1.99	3,452.006	
3,000.00	2,989.26	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,925.84	6,923.85	1.99	3,477.141	
3,100.00	3,088.83	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,976.98	6,974.99	1.99	3,502.817	
3,200.00	3,188.41	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,029.17	7,027.18	1.99	3,529.019	
3,300.00	3,287.98	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,082.39	7,080.40	1.99	3,555.738	
3,400.00	3,387.56	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,136.61	7,134.62	1.99	3,582.961	
3,500.00	3,487.13	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,191.82	7,189.82	1.99	3,610.676	
3,600.00	3,586.70	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,247.98	7,245.99	1.99	3,638.873	
3,700.00	3,686.28	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,305.08	7,303.09	1.99	3,667.541	
3,800.00	3,785.85	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,363.10	7,361.10	1.99	3,696.668	
3,900.00	3,885.43	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,422.01	7,420.02	1.99	3,726.245	
4,000.00	3,985.00	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,481.79	7,479.80	1.99	3,756.259	
4,100.00	4,084.58	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,542.43	7,540.43	1.99	3,786.701	
4,200.00	4,184.15	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,603.89	7,601.90	1.99	3,817.560	
4,300.00	4,283.72	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,666.17	7,664.18	1.99	3,848.828	
4,400.00	4,383.30	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,729.24	7,727.25	1.99	3,880.492	
4,500.00	4,482.87	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,793.08	7,791.09	1.99	3,912.545	
4,600.00	4,582.45	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,857.68	7,855.69	1.99	3,944.976	
4,700.00	4,682.02	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,923.01	7,921.02	1.99	3,977.777	
4,800.00	4,781.60	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,989.06	7,987.07	1.99	4,010.937	
4,900.00	4,881.17	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,055.81	8,053.82	1.99	4,044.449	
5,000.00	4,980.74	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,123.25	8,121.25	1.99	4,078.304	
5,100.00	5,080.32	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,191.34	8,189.35	1.99	4,112.493	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,260.09	8,258.10	1.99	4,147.008	
5,300.00	5,279.47	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,329.47	8,327.48	1.99	4,181.841	
5,400.00	5,379.04	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,399.47	8,397.48	1.99	4,216.983	
5,500.00	5,478.62	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,470.07	8,468.08	1.99	4,252.429	
5,600.00	5,578.19	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,541.26	8,539.27	1.99	4,288.169	
5,700.00	5,677.77	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,613.02	8,611.03	1.99	4,324.196	
5,800.00	5,777.34	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,685.34	8,683.35	1.99	4,360.504	
5,900.00	5,876.91	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,758.20	8,756.21	1.99	4,397.085	
6,000.00	5,976.49	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,831.59	8,829.60	1.99	4,433.933	
6,100.00	6,076.06	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,905.51	8,903.52	1.99	4,471.041	
6,200.00	6,175.64	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,979.93	8,977.93	1.99	4,508.403	
6,300.00	6,275.24	100.00	45.45	0.00	2.00	172.93	740.78	5,988.50	9,054.66	9,052.66	1.99	4,540.660	
6,400.00	6,375.13	100.00	45.45	0.00	2.00	-5.77	740.78	5,988.50	9,125.56	9,123.56	2.00	4,565.596	
6,500.00	6,474.53	100.00	45.45	0.00	2.00	-5.45	740.78	5,988.50	9,187.44	9,185.47	1.97	4,659.003	
6,600.00	6,571.72	100.00	45.45	0.00	2.00	-5.06	740.78	5,988.50	9,239.38	9,237.46	1.91	4,833.173	
6,700.00	6,665.06	100.00	45.45	0.00	2.00	-4.78	740.78	5,988.50	9,280.64	9,278.82	1.82	5,102.580	
6,800.00	6,752.94	100.00	45.45	0.00	2.00	-4.59	740.78	5,988.50	9,310.67	9,308.97	1.70	5,492.816	
6,900.00	6,833.85	100.00	45.45	0.00	2.00	-4.48	740.78	5,988.50	9,329.06	9,327.52	1.54	6,047.546	
7,000.00	6,906.42	100.00	45.45	0.00	2.00	-4.45	740.78	5,988.50	9,335.58	9,334.22	1.36	6,842.922	
7,100.00	6,969.40	100.00	45.45	0.00	2.00	-4.48	740.78	5,988.50	9,330.13	9,328.97	1.16	8,019.750	
7,200.00	7,021.72	100.00	45.45	0.00	2.00	-4.59	740.78	5,988.50	9,312.79	9,311.85	0.94	9,863.887	
7,300.00	7,062.47	100.00	45.45	0.00	2.00	-4.78	740.78	5,988.50	9,283.79	9,283.08	0.71	N/A	
7,400.00	7,090.97	100.00	45.45	0.00	2.00	-5.06	740.78	5,988.50	9,243.52	9,243.04	0.48	N/A	
7,500.00	7,106.72	100.00	45.45	0.00	2.00	-5.47	740.78	5,988.50	9,192.51	9,192.25	0.27	N/A	
7,600.00	7,110.14	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	9,132.01	9,131.81	0.20	N/A	
7,700.00	7,110.55	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	9,069.80	9,069.60	0.20	N/A	
7,800.00	7,110.97	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	9,008.27	9,008.07	0.20	N/A	
7,900.00	7,111.38	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,947.44	8,947.23	0.20	N/A	
8,000.00	7,111.79	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,887.31	8,887.11	0.20	N/A	
8,100.00	7,112.21	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,827.91	8,827.71	0.20	N/A	
8,200.00	7,112.62	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,769.25	8,769.04	0.20	N/A	
8,300.00	7,113.03	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,711.34	8,711.13	0.20	N/A	
8,400.00	7,113.45	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,654.19	8,653.99	0.20	N/A	
8,500.00	7,113.86	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,597.83	8,597.63	0.20	N/A	
8,600.00	7,114.28	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,542.27	8,542.07	0.20	N/A	
8,700.00	7,114.69	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,487.53	8,487.32	0.20	N/A	
8,800.00	7,115.10	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,433.61	8,433.41	0.20	N/A	
8,900.00	7,115.52	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,380.54	8,380.34	0.20	N/A	
9,000.00	7,115.93	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,328.33	8,328.13	0.20	N/A	
9,100.00	7,116.35	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,277.01	8,276.80	0.20	N/A	
9,200.00	7,116.76	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,226.57	8,226.37	0.20	N/A	
9,300.00	7,117.17	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,177.05	8,176.85	0.20	N/A	
9,400.00	7,117.59	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,128.46	8,128.26	0.20	N/A	
9,500.00	7,118.00	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,080.81	8,080.61	0.20	N/A	
9,600.00	7,118.41	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,034.13	8,033.92	0.20	N/A	
9,700.00	7,118.83	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,988.42	7,988.22	0.20	N/A	
9,800.00	7,119.24	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,943.71	7,943.51	0.20	N/A	
9,900.00	7,119.66	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,900.02	7,899.81	0.20	N/A	
10,000.00	7,120.07	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,857.35	7,857.15	0.20	N/A	
10,100.00	7,120.48	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,815.73	7,815.53	0.20	N/A	
10,200.00	7,120.90	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,775.17	7,774.97	0.20	N/A	
10,300.00	7,121.31	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,735.70	7,735.49	0.20	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,697.32	7,697.11	0.20	N/A	
10,500.00	7,122.14	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,660.05	7,659.85	0.20	N/A	
10,600.00	7,122.55	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,623.91	7,623.71	0.20	N/A	
10,700.00	7,122.97	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,588.92	7,588.72	0.20	N/A	
10,800.00	7,123.38	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,555.09	7,554.89	0.20	N/A	
10,900.00	7,123.79	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,522.44	7,522.23	0.20	N/A	
11,000.00	7,124.21	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,490.98	7,490.77	0.20	N/A	
11,100.00	7,124.62	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,460.73	7,460.52	0.20	N/A	
11,200.00	7,125.04	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,431.70	7,431.49	0.20	N/A	
11,300.00	7,125.45	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,403.90	7,403.70	0.20	N/A	
11,400.00	7,125.86	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,377.36	7,377.16	0.20	N/A	
11,500.00	7,126.28	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,352.09	7,351.88	0.20	N/A	
11,600.00	7,126.69	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,328.09	7,327.88	0.20	N/A	
11,700.00	7,127.11	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,305.38	7,305.17	0.20	N/A	
11,800.00	7,127.52	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,283.97	7,283.77	0.20	N/A	
11,900.00	7,127.93	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,263.88	7,263.67	0.20	N/A	
12,000.00	7,128.35	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,245.11	7,244.90	0.20	N/A	
12,100.00	7,128.76	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,227.67	7,227.47	0.20	N/A	
12,200.00	7,129.18	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,211.58	7,211.38	0.20	N/A	
12,300.00	7,129.59	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,196.85	7,196.64	0.20	N/A	
12,400.00	7,130.00	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,183.47	7,183.27	0.20	N/A	
12,500.00	7,130.42	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,171.47	7,171.27	0.20	N/A	
12,600.00	7,130.83	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,160.84	7,160.64	0.20	N/A	
12,700.00	7,131.24	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,151.60	7,151.39	0.20	N/A	
12,800.00	7,131.66	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,143.74	7,143.54	0.20	N/A	
12,900.00	7,132.07	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,137.28	7,137.07	0.20	N/A	
13,000.00	7,132.49	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,132.21	7,132.00	0.20	N/A	
13,100.00	7,132.90	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,128.54	7,128.33	0.20	N/A	
13,200.00	7,133.31	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,126.27	7,126.07	0.20	N/A	
13,300.00	7,133.73	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,125.41	7,125.20	0.20	N/A	
13,311.59	7,133.78	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,125.40	7,125.19	0.20	N/A	
13,400.00	7,134.14	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,125.95	7,125.74	0.20	N/A	
13,500.00	7,134.56	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,127.89	7,127.68	0.20	N/A	
13,600.00	7,134.97	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,131.23	7,131.03	0.20	N/A	
13,700.00	7,135.38	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,135.98	7,135.77	0.20	N/A	
13,800.00	7,135.80	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,142.12	7,141.91	0.20	N/A	
13,900.00	7,136.21	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,149.65	7,149.45	0.20	N/A	
14,000.00	7,136.62	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,158.57	7,158.37	0.20	N/A	
14,100.00	7,137.04	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,168.88	7,168.68	0.20	N/A	
14,200.00	7,137.45	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,180.57	7,180.36	0.20	N/A	
14,300.00	7,137.87	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,193.62	7,193.42	0.20	N/A	
14,400.00	7,138.28	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,208.04	7,207.84	0.20	N/A	
14,500.00	7,138.69	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,223.82	7,223.62	0.20	N/A	
14,600.00	7,139.11	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,240.94	7,240.74	0.20	N/A	
14,700.00	7,139.52	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,259.40	7,259.20	0.20	N/A	
14,800.00	7,139.94	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,279.19	7,278.99	0.20	N/A	
14,900.00	7,140.35	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,300.30	7,300.09	0.20	N/A	
15,000.00	7,140.76	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,322.70	7,322.50	0.20	N/A	
15,100.00	7,141.18	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,346.41	7,346.20	0.20	N/A	
15,200.00	7,141.59	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,371.39	7,371.18	0.20	N/A	
15,300.00	7,142.00	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,397.64	7,397.43	0.20	N/A	
15,400.00	7,142.42	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,425.14	7,424.94	0.20	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,453.89	7,453.68	0.20	N/A	
15,600.00	7,143.25	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,483.85	7,483.65	0.20	N/A	
15,700.00	7,143.66	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,515.04	7,514.83	0.20	N/A	
15,800.00	7,144.07	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,547.41	7,547.21	0.20	N/A	
15,900.00	7,144.49	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,580.97	7,580.77	0.20	N/A	
16,000.00	7,144.90	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,615.69	7,615.49	0.20	N/A	
16,100.00	7,145.32	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,651.57	7,651.36	0.20	N/A	
16,200.00	7,145.73	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,688.57	7,688.37	0.20	N/A	
16,300.00	7,146.14	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,726.70	7,726.49	0.20	N/A	
16,400.00	7,146.56	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,765.92	7,765.72	0.20	N/A	
16,500.00	7,146.97	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,806.23	7,806.03	0.20	N/A	
16,600.00	7,147.38	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,847.60	7,847.40	0.20	N/A	
16,700.00	7,147.80	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,890.03	7,889.83	0.20	N/A	
16,800.00	7,148.21	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,933.49	7,933.29	0.20	N/A	
16,900.00	7,148.63	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	7,977.97	7,977.76	0.20	N/A	
17,000.00	7,149.04	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,023.44	8,023.24	0.20	N/A	
17,100.00	7,149.45	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,069.90	8,069.70	0.20	N/A	
17,200.00	7,149.87	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,117.33	8,117.12	0.20	N/A	
17,232.03	7,150.00	100.00	45.45	0.00	2.00	-5.84	740.78	5,988.50	8,132.72	8,132.52	0.20	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	131.90	0.00	0.00	102.15	-1,953.85	9,073.63	9,282.55				
100.00	100.00	0.00	131.90	0.00	0.00	102.15	-1,953.85	9,073.63	9,281.67				
148.95	148.95	17.05	148.95	0.00	0.34	102.15	-1,953.85	9,073.63	9,281.61	9,281.27	0.34	N/A	
200.00	200.00	68.10	200.00	0.00	1.36	102.15	-1,953.85	9,073.63	9,281.61	9,280.25	1.36	6,813.372	
300.00	300.00	168.10	300.00	0.00	4.72	102.15	-1,953.85	9,073.63	9,281.61	9,276.89	4.72	1,964.695	
400.00	399.98	268.08	399.98	0.00	8.72	-167.90	-1,953.85	9,073.63	9,283.32	9,274.60	8.72	1,064.807	
500.00	499.84	367.94	499.84	0.00	12.72	-167.88	-1,953.85	9,073.63	9,288.43	9,275.75	12.69	732.059	
600.00	599.47	467.57	599.47	0.00	16.70	-167.87	-1,953.85	9,073.63	9,296.74	9,280.11	16.64	558.860	
700.00	699.05	567.15	699.05	0.00	20.69	-167.88	-1,953.85	9,073.63	9,305.75	9,285.15	20.60	451.693	
800.00	798.62	666.72	798.62	0.00	24.67	-167.90	-1,953.85	9,073.63	9,314.77	9,290.20	24.57	379.131	
900.00	898.20	766.30	898.20	0.00	28.65	-167.91	-1,953.85	9,073.63	9,323.78	9,295.25	28.54	326.744	
1,000.00	997.77	865.87	997.77	0.00	32.63	-167.92	-1,953.85	9,073.63	9,332.80	9,300.29	32.50	287.143	
1,100.00	1,097.35	965.45	1,097.35	0.00	36.62	-167.93	-1,953.85	9,073.63	9,341.81	9,305.34	36.47	256.158	
1,200.00	1,196.92	1,065.02	1,196.92	0.00	40.60	-167.94	-1,953.85	9,073.63	9,350.83	9,310.39	40.44	231.252	
1,300.00	1,296.49	1,164.59	1,296.49	0.00	44.58	-167.96	-1,953.85	9,073.63	9,359.84	9,315.44	44.40	210.796	
1,400.00	1,396.07	1,264.17	1,396.07	0.00	48.57	-167.97	-1,953.85	9,073.63	9,368.86	9,320.49	48.37	193.695	
1,500.00	1,495.64	1,363.74	1,495.64	0.00	52.55	-167.98	-1,953.85	9,073.63	9,377.87	9,325.54	52.34	179.186	
1,600.00	1,595.22	1,463.32	1,595.22	0.00	56.53	-167.99	-1,953.85	9,073.63	9,386.89	9,330.59	56.30	166.722	
1,700.00	1,694.79	1,562.89	1,694.79	0.00	60.52	-168.00	-1,953.85	9,073.63	9,395.91	9,335.64	60.27	155.898	
1,800.00	1,794.37	1,662.47	1,794.37	0.00	64.50	-168.01	-1,953.85	9,073.63	9,404.92	9,340.69	64.24	146.412	
1,900.00	1,893.94	1,762.04	1,893.94	0.00	68.48	-168.03	-1,953.85	9,073.63	9,413.94	9,345.74	68.20	138.029	
2,000.00	1,993.51	1,861.61	1,993.51	0.00	72.46	-168.04	-1,953.85	9,073.63	9,422.96	9,350.79	72.17	130.567	
2,100.00	2,093.09	1,961.19	2,093.09	0.00	76.45	-168.05	-1,953.85	9,073.63	9,431.98	9,355.84	76.14	123.883	
2,200.00	2,192.66	2,060.76	2,192.66	0.00	80.43	-168.06	-1,953.85	9,073.63	9,441.00	9,360.89	80.10	117.861	
2,300.00	2,292.24	2,160.34	2,292.24	0.00	84.41	-168.07	-1,953.85	9,073.63	9,450.02	9,365.95	84.07	112.407	
2,400.00	2,391.81	2,259.91	2,391.81	0.00	88.40	-168.08	-1,953.85	9,073.63	9,459.03	9,371.00	88.04	107.444	
2,500.00	2,491.39	2,359.49	2,491.39	0.00	92.38	-168.10	-1,953.85	9,073.63	9,468.05	9,376.05	92.00	102.910	
2,600.00	2,590.96	2,459.06	2,590.96	0.00	96.36	-168.11	-1,953.85	9,073.63	9,477.08	9,381.11	95.97	98.750	
2,700.00	2,690.53	2,558.63	2,690.53	0.00	100.35	-168.12	-1,953.85	9,073.63	9,486.10	9,386.16	99.94	94.921	
2,800.00	2,790.11	2,658.21	2,790.11	0.00	104.33	-168.13	-1,953.85	9,073.63	9,495.12	9,391.21	103.90	91.384	
2,900.00	2,889.68	2,757.78	2,889.68	0.00	108.31	-168.14	-1,953.85	9,073.63	9,504.14	9,396.27	107.87	88.107	
3,000.00	2,989.26	2,857.36	2,989.26	0.00	112.29	-168.15	-1,953.85	9,073.63	9,513.16	9,401.32	111.84	85.063	
3,100.00	3,088.83	2,956.93	3,088.83	0.00	116.28	-168.16	-1,953.85	9,073.63	9,522.18	9,406.38	115.80	82.227	
3,200.00	3,188.41	3,056.51	3,188.41	0.00	120.26	-168.18	-1,953.85	9,073.63	9,531.21	9,411.44	119.77	79.579	
3,300.00	3,287.98	3,156.08	3,287.98	0.00	124.24	-168.19	-1,953.85	9,073.63	9,540.23	9,416.49	123.74	77.101	
3,400.00	3,387.56	3,255.66	3,387.56	0.00	128.23	-168.20	-1,953.85	9,073.63	9,549.25	9,421.55	127.70	74.777	
3,500.00	3,487.13	3,355.23	3,487.13	0.00	132.21	-168.21	-1,953.85	9,073.63	9,558.28	9,426.61	131.67	72.593	
3,600.00	3,586.70	3,454.80	3,586.70	0.00	136.19	-168.22	-1,953.85	9,073.63	9,567.30	9,431.66	135.64	70.536	
3,700.00	3,686.28	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,576.33	9,436.90	139.43	68.682	
3,800.00	3,785.85	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,585.91	9,446.48	139.43	68.751	
3,900.00	3,885.43	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,596.53	9,457.10	139.43	68.827	
4,000.00	3,985.00	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,608.18	9,468.75	139.43	68.911	
4,100.00	4,084.58	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,620.86	9,481.43	139.43	69.002	
4,200.00	4,184.15	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,634.55	9,495.12	139.43	69.100	
4,300.00	4,283.72	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,649.26	9,509.84	139.43	69.206	
4,400.00	4,383.30	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,664.99	9,525.56	139.43	69.318	
4,500.00	4,482.87	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,681.72	9,542.29	139.43	69.438	
4,600.00	4,582.45	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,699.46	9,560.03	139.43	69.565	
4,700.00	4,682.02	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,718.19	9,578.76	139.43	69.700	
4,800.00	4,781.60	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,737.91	9,598.48	139.43	69.841	
4,900.00	4,881.17	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,758.62	9,619.19	139.43	69.990	
5,000.00	4,980.74	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,780.30	9,640.87	139.43	70.145	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,802.96	9,663.53	139.43	70.308	
5,200.00	5,179.89	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,826.58	9,687.16	139.43	70.477	
5,300.00	5,279.47	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,851.17	9,711.74	139.43	70.654	
5,400.00	5,379.04	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,876.70	9,737.27	139.43	70.837	
5,500.00	5,478.62	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,903.18	9,763.75	139.43	71.027	
5,600.00	5,578.19	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,930.59	9,791.16	139.43	71.223	
5,700.00	5,677.77	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,958.93	9,819.50	139.43	71.426	
5,800.00	5,777.34	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,988.20	9,848.77	139.43	71.636	
5,900.00	5,876.91	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,018.37	9,878.94	139.43	71.853	
6,000.00	5,976.49	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,049.45	9,910.02	139.43	72.076	
6,100.00	6,076.06	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,081.43	9,942.00	139.43	72.305	
6,200.00	6,175.64	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,114.29	9,974.87	139.43	72.541	
6,300.00	6,275.24	3,550.00	3,681.90	0.00	140.00	-168.29	-1,953.85	9,073.63	10,147.79	10,008.20	139.59	72.699	
6,400.00	6,375.13	3,550.00	3,681.90	0.00	140.00	11.86	-1,953.85	9,073.63	10,176.27	10,036.36	139.90	72.738	
6,500.00	6,474.53	3,550.00	3,681.90	0.00	140.00	11.33	-1,953.85	9,073.63	10,193.30	10,055.21	138.08	73.819	
6,600.00	6,571.72	3,550.00	3,681.90	0.00	140.00	11.22	-1,953.85	9,073.63	10,198.56	10,064.56	133.99	76.112	
6,700.00	6,665.06	3,550.00	3,681.90	0.00	140.00	11.30	-1,953.85	9,073.63	10,191.97	10,064.24	127.73	79.796	
6,800.00	6,752.94	3,550.00	3,681.90	0.00	140.00	11.57	-1,953.85	9,073.63	10,173.62	10,054.19	119.43	85.183	
6,900.00	6,833.85	3,550.00	3,681.90	0.00	140.00	12.04	-1,953.85	9,073.63	10,143.76	10,034.41	109.35	92.765	
7,000.00	6,906.42	3,550.00	3,681.90	0.00	140.00	12.76	-1,953.85	9,073.63	10,102.81	10,004.99	97.82	103.275	
7,100.00	6,969.40	3,550.00	3,681.90	0.00	140.00	13.80	-1,953.85	9,073.63	10,051.34	9,965.94	85.40	117.696	
7,200.00	7,021.72	3,550.00	3,681.90	0.00	140.00	15.26	-1,953.85	9,073.63	9,990.07	9,917.06	73.01	136.832	
7,300.00	7,062.47	3,550.00	3,681.90	0.00	140.00	17.33	-1,953.85	9,073.63	9,919.87	9,857.48	62.40	158.983	
7,400.00	7,090.97	3,550.00	3,681.90	0.00	140.00	20.37	-1,953.85	9,073.63	9,841.78	9,785.02	56.76	173.388	
7,500.00	7,106.72	3,550.00	3,681.90	0.00	140.00	25.01	-1,953.85	9,073.63	9,756.95	9,696.61	60.34	161.694	
7,600.00	7,110.14	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,666.92	9,597.56	69.37	139.358	
7,700.00	7,110.55	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,575.92	9,506.55	69.37	138.046	
7,800.00	7,110.97	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,485.10	9,415.73	69.37	136.737	
7,900.00	7,111.38	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,394.47	9,325.10	69.37	135.430	
8,000.00	7,111.79	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,304.03	9,234.66	69.37	134.126	
8,100.00	7,112.21	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,213.78	9,144.41	69.37	132.825	
8,200.00	7,112.62	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,123.74	9,054.37	69.37	131.527	
8,300.00	7,113.03	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	9,033.91	8,964.54	69.37	130.232	
8,400.00	7,113.45	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,944.29	8,874.93	69.37	128.941	
8,500.00	7,113.86	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,854.90	8,785.53	69.37	127.652	
8,600.00	7,114.28	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,765.74	8,696.37	69.37	126.366	
8,700.00	7,114.69	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,676.81	8,607.44	69.37	125.084	
8,800.00	7,115.10	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,588.12	8,518.76	69.37	123.806	
8,900.00	7,115.52	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,499.69	8,430.32	69.37	122.531	
9,000.00	7,115.93	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,411.52	8,342.15	69.37	121.260	
9,100.00	7,116.35	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,323.61	8,254.24	69.37	119.993	
9,200.00	7,116.76	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,235.98	8,166.61	69.37	118.729	
9,300.00	7,117.17	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,148.63	8,079.26	69.37	117.470	
9,400.00	7,117.59	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	8,061.58	7,992.21	69.37	116.215	
9,500.00	7,118.00	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,974.83	7,905.46	69.37	114.965	
9,600.00	7,118.41	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,888.40	7,819.03	69.37	113.719	
9,700.00	7,118.83	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,802.29	7,732.92	69.37	112.477	
9,800.00	7,119.24	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,716.51	7,647.14	69.37	111.241	
9,900.00	7,119.66	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,631.08	7,561.72	69.37	110.009	
10,000.00	7,120.07	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,546.01	7,476.64	69.37	108.783	
10,100.00	7,120.48	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,461.31	7,391.94	69.37	107.562	
10,200.00	7,120.90	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,376.99	7,307.63	69.37	106.346	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,293.07	7,223.70	69.37	105.137	
10,400.00	7,121.73	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,209.56	7,140.19	69.37	103.933	
10,500.00	7,122.14	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,126.47	7,057.11	69.37	102.735	
10,600.00	7,122.55	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	7,043.83	6,974.46	69.37	101.544	
10,700.00	7,122.97	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,961.64	6,892.27	69.37	100.359	
10,800.00	7,123.38	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,879.92	6,810.55	69.37	99.181	
10,900.00	7,123.79	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,798.69	6,729.32	69.37	98.010	
11,000.00	7,124.21	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,717.96	6,648.59	69.37	96.846	
11,100.00	7,124.62	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,637.76	6,568.39	69.37	95.690	
11,200.00	7,125.04	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,558.10	6,488.74	69.37	94.541	
11,300.00	7,125.45	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,479.01	6,409.64	69.37	93.401	
11,400.00	7,125.86	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,400.51	6,331.14	69.37	92.269	
11,500.00	7,126.28	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,322.61	6,253.24	69.37	91.146	
11,600.00	7,126.69	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,245.34	6,175.97	69.37	90.032	
11,700.00	7,127.11	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,168.72	6,099.35	69.37	88.928	
11,800.00	7,127.52	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,092.78	6,023.41	69.37	87.833	
11,900.00	7,127.93	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	6,017.54	5,948.18	69.37	86.749	
12,000.00	7,128.35	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,943.04	5,873.67	69.37	85.675	
12,100.00	7,128.76	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,869.29	5,799.92	69.37	84.611	
12,200.00	7,129.18	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,796.33	5,726.96	69.37	83.560	
12,300.00	7,129.59	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,724.19	5,654.82	69.37	82.520	
12,400.00	7,130.00	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,652.89	5,583.52	69.37	81.492	
12,500.00	7,130.42	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,582.48	5,513.11	69.37	80.477	
12,600.00	7,130.83	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,512.98	5,443.61	69.37	79.475	
12,700.00	7,131.24	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,444.43	5,375.06	69.37	78.487	
12,800.00	7,131.66	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,376.86	5,307.50	69.37	77.513	
12,900.00	7,132.07	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,310.32	5,240.95	69.37	76.553	
13,000.00	7,132.49	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,244.84	5,175.48	69.37	75.609	
13,100.00	7,132.90	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,180.47	5,111.10	69.37	74.681	
13,200.00	7,133.31	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,117.24	5,047.87	69.37	73.770	
13,300.00	7,133.73	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	5,055.20	4,985.83	69.37	72.875	
13,400.00	7,134.14	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,994.38	4,925.02	69.37	71.999	
13,500.00	7,134.56	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,934.85	4,865.48	69.37	71.141	
13,600.00	7,134.97	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,876.64	4,807.27	69.37	70.301	
13,700.00	7,135.38	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,819.80	4,750.43	69.37	69.482	
13,800.00	7,135.80	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,764.38	4,695.02	69.37	68.683	
13,900.00	7,136.21	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,710.44	4,641.07	69.37	67.905	
14,000.00	7,136.62	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,658.01	4,588.65	69.37	67.150	
14,100.00	7,137.04	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,607.16	4,537.80	69.37	66.417	
14,200.00	7,137.45	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,557.94	4,488.57	69.37	65.707	
14,300.00	7,137.87	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,510.40	4,441.03	69.37	65.022	
14,400.00	7,138.28	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,464.59	4,395.22	69.37	64.361	
14,500.00	7,138.69	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,420.57	4,351.20	69.37	63.727	
14,600.00	7,139.11	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,378.39	4,309.02	69.37	63.119	
14,700.00	7,139.52	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,338.11	4,268.74	69.37	62.538	
14,800.00	7,139.94	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,299.77	4,230.41	69.37	61.985	
14,900.00	7,140.35	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,263.44	4,194.07	69.37	61.462	
15,000.00	7,140.76	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,229.16	4,159.79	69.37	60.967	
15,100.00	7,141.18	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,196.98	4,127.61	69.37	60.504	
15,200.00	7,141.59	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,166.96	4,097.59	69.37	60.071	
15,300.00	7,142.00	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,139.13	4,069.76	69.37	59.670	
15,400.00	7,142.42	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,113.55	4,044.18	69.37	59.301	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,090.25	4,020.88	69.37	58.965	
15,600.00	7,143.25	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,069.28	3,999.91	69.37	58.663	
15,700.00	7,143.66	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,050.66	3,981.30	69.37	58.394	
15,800.00	7,144.07	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,034.45	3,965.08	69.37	58.160	
15,900.00	7,144.49	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,020.65	3,951.28	69.37	57.961	
16,000.00	7,144.90	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,009.30	3,939.93	69.37	57.798	
16,100.00	7,145.32	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,000.42	3,931.05	69.37	57.670	
16,200.00	7,145.73	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,994.02	3,924.66	69.37	57.578	
16,300.00	7,146.14	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,990.13	3,920.76	69.37	57.521	
16,400.00	7,146.56	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,988.73	3,919.36	69.37	57.501	
16,405.65	7,146.58	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,988.73	3,919.36	69.37	57.501	CC, ES, SF
16,500.00	7,146.97	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,989.84	3,920.47	69.37	57.517	
16,600.00	7,147.38	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,993.46	3,924.09	69.37	57.570	
16,700.00	7,147.80	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	3,999.57	3,930.20	69.37	57.658	
16,800.00	7,148.21	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,008.17	3,938.81	69.37	57.782	
16,900.00	7,148.63	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,019.24	3,949.88	69.37	57.941	
17,000.00	7,149.04	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,032.76	3,963.40	69.37	58.136	
17,100.00	7,149.45	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,048.71	3,979.34	69.37	58.366	
17,200.00	7,149.87	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,067.05	3,997.69	69.37	58.630	
17,232.03	7,150.00	3,550.00	3,681.90	0.00	140.00	29.70	-1,953.85	9,073.63	4,073.43	4,004.06	69.37	58.722	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	45.97	0.00	0.00	75.76	1,910.52	7,526.10	7,764.95				
100.00	100.00	54.03	100.00	0.00	1.08	75.76	1,910.52	7,526.10	7,764.81	7,763.73	1.08	7,183.705	
127.49	127.49	81.52	127.49	0.00	1.63	75.76	1,910.52	7,526.10	7,764.81	7,763.18	1.63	4,761.908	
200.00	200.00	100.00	145.97	0.00	2.00	75.76	1,910.52	7,526.10	7,765.00	7,763.00	2.00	3,882.110 SF	
300.00	300.00	100.00	145.97	0.00	2.00	75.76	1,910.52	7,526.10	7,766.34	7,764.34	2.00	3,882.780	
400.00	399.98	100.00	145.97	0.00	2.00	165.68	1,910.52	7,526.10	7,770.65	7,768.65	2.00	3,887.161	
500.00	499.84	100.00	145.97	0.00	2.00	165.63	1,910.52	7,526.10	7,779.62	7,777.63	2.00	3,898.334	
600.00	599.47	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,793.01	7,791.02	1.99	3,911.733	
700.00	699.05	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,808.35	7,806.36	1.99	3,919.433	
800.00	798.62	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,824.94	7,822.94	1.99	3,927.758	
900.00	898.20	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,842.76	7,840.77	1.99	3,936.706	
1,000.00	997.77	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,861.82	7,859.83	1.99	3,946.272	
1,100.00	1,097.35	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,882.10	7,880.11	1.99	3,956.452	
1,200.00	1,196.92	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,903.60	7,901.60	1.99	3,967.241	
1,300.00	1,296.49	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,926.29	7,924.30	1.99	3,978.634	
1,400.00	1,396.07	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,950.18	7,948.19	1.99	3,990.626	
1,500.00	1,495.64	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,975.26	7,973.26	1.99	4,003.212	
1,600.00	1,595.22	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,001.50	7,999.51	1.99	4,016.385	
1,700.00	1,694.79	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,028.90	8,026.91	1.99	4,030.141	
1,800.00	1,794.37	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,057.46	8,055.46	1.99	4,044.473	
1,900.00	1,893.94	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,087.14	8,085.15	1.99	4,059.375	
2,000.00	1,993.51	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,117.96	8,115.96	1.99	4,074.841	
2,100.00	2,093.09	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,149.88	8,147.89	1.99	4,090.864	
2,200.00	2,192.66	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,182.90	8,180.90	1.99	4,107.438	
2,300.00	2,292.24	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,217.00	8,215.01	1.99	4,124.557	
2,400.00	2,391.81	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,252.18	8,250.18	1.99	4,142.213	
2,500.00	2,491.39	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,288.41	8,286.42	1.99	4,160.399	
2,600.00	2,590.96	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,325.68	8,323.69	1.99	4,179.110	
2,700.00	2,690.53	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,363.99	8,362.00	1.99	4,198.337	
2,800.00	2,790.11	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,403.31	8,401.32	1.99	4,218.074	
2,900.00	2,889.68	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,443.63	8,441.64	1.99	4,238.314	
3,000.00	2,989.26	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,484.94	8,482.95	1.99	4,259.049	
3,100.00	3,088.83	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,527.22	8,525.23	1.99	4,280.273	
3,200.00	3,188.41	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,570.46	8,568.47	1.99	4,301.977	
3,300.00	3,287.98	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,614.64	8,612.65	1.99	4,324.155	
3,400.00	3,387.56	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,659.76	8,657.76	1.99	4,346.800	
3,500.00	3,487.13	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,705.78	8,703.79	1.99	4,369.903	
3,600.00	3,586.70	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,752.71	8,750.72	1.99	4,393.459	
3,700.00	3,686.28	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,800.53	8,798.54	1.99	4,417.460	
3,800.00	3,785.85	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,849.21	8,847.22	1.99	4,441.898	
3,900.00	3,885.43	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,898.76	8,896.77	1.99	4,466.767	
4,000.00	3,985.00	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,949.14	8,947.15	1.99	4,492.059	
4,100.00	4,084.58	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,000.36	8,998.37	1.99	4,517.767	
4,200.00	4,184.15	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,052.39	9,050.40	1.99	4,543.884	
4,300.00	4,283.72	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,105.22	9,103.23	1.99	4,570.403	
4,400.00	4,383.30	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,158.84	9,156.85	1.99	4,597.317	
4,500.00	4,482.87	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,213.23	9,211.24	1.99	4,624.619	
4,600.00	4,582.45	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,268.39	9,266.39	1.99	4,652.303	
4,700.00	4,682.02	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,324.28	9,322.29	1.99	4,680.362	
4,800.00	4,781.60	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,380.92	9,378.92	1.99	4,708.788	
4,900.00	4,881.17	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,438.27	9,436.27	1.99	4,737.575	
5,000.00	4,980.74	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,496.32	9,494.33	1.99	4,766.718	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,555.08	9,553.08	1.99	4,796.208	
5,200.00	5,179.89	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,614.51	9,612.52	1.99	4,826.041	
5,300.00	5,279.47	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,674.61	9,672.62	1.99	4,856.209	
5,400.00	5,379.04	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,735.37	9,733.37	1.99	4,886.706	
5,500.00	5,478.62	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,796.77	9,794.78	1.99	4,917.527	
5,600.00	5,578.19	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,858.80	9,856.81	1.99	4,948.665	
5,700.00	5,677.77	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,921.45	9,919.46	1.99	4,980.114	
5,800.00	5,777.34	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,984.72	9,982.72	1.99	5,011.868	
5,900.00	5,876.91	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,048.57	10,046.58	1.99	5,043.922	
6,000.00	5,976.49	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,113.02	10,111.03	1.99	5,076.270	
6,100.00	6,076.06	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,178.04	10,176.05	1.99	5,108.907	
6,200.00	6,175.64	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,243.62	10,241.63	1.99	5,141.826	
6,300.00	6,275.24	100.00	145.97	0.00	2.00	165.76	1,910.52	7,526.10	10,309.56	10,307.56	1.99	5,169.232	
6,400.00	6,375.13	100.00	145.97	0.00	2.00	-12.49	1,910.52	7,526.10	10,371.30	10,369.31	2.00	5,188.715	
6,500.00	6,474.53	100.00	145.97	0.00	2.00	-11.78	1,910.52	7,526.10	10,423.31	10,421.34	1.97	5,283.206	
6,600.00	6,571.72	100.00	145.97	0.00	2.00	-11.13	1,910.52	7,526.10	10,464.76	10,462.85	1.91	5,466.481	
6,700.00	6,665.06	100.00	145.97	0.00	2.00	-10.69	1,910.52	7,526.10	10,495.08	10,493.25	1.82	5,753.639	
6,800.00	6,752.94	100.00	145.97	0.00	2.00	-10.44	1,910.52	7,526.10	10,513.83	10,512.13	1.70	6,170.526	
6,900.00	6,833.85	100.00	145.97	0.00	2.00	-10.35	1,910.52	7,526.10	10,520.77	10,519.21	1.56	6,759.771	
7,000.00	6,906.42	100.00	145.97	0.00	2.00	-10.42	1,910.52	7,526.10	10,515.80	10,514.41	1.39	7,591.800	
7,100.00	6,969.40	100.00	145.97	0.00	2.00	-10.65	1,910.52	7,526.10	10,498.98	10,497.79	1.20	8,785.077	
7,200.00	7,021.72	100.00	145.97	0.00	2.00	-11.07	1,910.52	7,526.10	10,470.56	10,469.56	0.99	N/A	
7,300.00	7,062.47	100.00	145.97	0.00	2.00	-11.72	1,910.52	7,526.10	10,430.91	10,430.12	0.79	N/A	
7,400.00	7,090.97	100.00	145.97	0.00	2.00	-12.64	1,910.52	7,526.10	10,380.60	10,379.99	0.62	N/A	
7,500.00	7,106.72	100.00	145.97	0.00	2.00	-13.95	1,910.52	7,526.10	10,320.34	10,319.83	0.51	N/A	
7,600.00	7,110.14	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	10,251.46	10,250.94	0.52	N/A	
7,700.00	7,110.55	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	10,180.96	10,180.44	0.52	N/A	
7,800.00	7,110.97	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	10,110.96	10,110.44	0.52	N/A	
7,900.00	7,111.38	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	10,041.47	10,040.94	0.52	N/A	
8,000.00	7,111.79	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,972.49	9,971.97	0.52	N/A	
8,100.00	7,112.21	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,904.05	9,903.52	0.52	N/A	
8,200.00	7,112.62	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,836.14	9,835.62	0.52	N/A	
8,300.00	7,113.03	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,768.79	9,768.27	0.52	N/A	
8,400.00	7,113.45	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,702.00	9,701.48	0.52	N/A	
8,500.00	7,113.86	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,635.79	9,635.26	0.52	N/A	
8,600.00	7,114.28	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,570.16	9,569.63	0.52	N/A	
8,700.00	7,114.69	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,505.13	9,504.61	0.52	N/A	
8,800.00	7,115.10	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,440.71	9,440.19	0.52	N/A	
8,900.00	7,115.52	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,376.92	9,376.39	0.52	N/A	
9,000.00	7,115.93	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,313.76	9,313.24	0.52	N/A	
9,100.00	7,116.35	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,251.25	9,250.73	0.52	N/A	
9,200.00	7,116.76	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,189.41	9,188.89	0.52	N/A	
9,300.00	7,117.17	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,128.24	9,127.72	0.52	N/A	
9,400.00	7,117.59	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,067.76	9,067.24	0.52	N/A	
9,500.00	7,118.00	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	9,007.99	9,007.47	0.52	N/A	
9,600.00	7,118.41	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,948.93	8,948.41	0.52	N/A	
9,700.00	7,118.83	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,890.61	8,890.09	0.52	N/A	
9,800.00	7,119.24	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,833.04	8,832.51	0.52	N/A	
9,900.00	7,119.66	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,776.22	8,775.70	0.52	N/A	
10,000.00	7,120.07	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,720.19	8,719.66	0.52	N/A	
10,100.00	7,120.48	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,664.94	8,664.42	0.52	N/A	
10,200.00	7,120.90	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,610.50	8,609.98	0.52	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,556.89	8,556.36	0.52	N/A	
10,400.00	7,121.73	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,504.11	8,503.59	0.52	N/A	
10,500.00	7,122.14	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,452.18	8,451.66	0.52	N/A	
10,600.00	7,122.55	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,401.13	8,400.61	0.52	N/A	
10,700.00	7,122.97	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,350.96	8,350.44	0.52	N/A	
10,800.00	7,123.38	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,301.69	8,301.17	0.52	N/A	
10,900.00	7,123.79	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,253.34	8,252.82	0.52	N/A	
11,000.00	7,124.21	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,205.92	8,205.40	0.52	N/A	
11,100.00	7,124.62	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,159.46	8,158.93	0.52	N/A	
11,200.00	7,125.04	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,113.96	8,113.43	0.52	N/A	
11,300.00	7,125.45	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,069.44	8,068.92	0.52	N/A	
11,400.00	7,125.86	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	8,025.92	8,025.40	0.52	N/A	
11,500.00	7,126.28	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,983.42	7,982.89	0.52	N/A	
11,600.00	7,126.69	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,941.94	7,941.42	0.52	N/A	
11,700.00	7,127.11	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,901.52	7,901.00	0.52	N/A	
11,800.00	7,127.52	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,862.16	7,861.64	0.52	N/A	
11,900.00	7,127.93	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,823.88	7,823.36	0.52	N/A	
12,000.00	7,128.35	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,786.70	7,786.18	0.52	N/A	
12,100.00	7,128.76	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,750.63	7,750.11	0.52	N/A	
12,200.00	7,129.18	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,715.69	7,715.16	0.52	N/A	
12,300.00	7,129.59	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,681.88	7,681.36	0.52	N/A	
12,400.00	7,130.00	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,649.24	7,648.72	0.52	N/A	
12,500.00	7,130.42	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,617.77	7,617.25	0.52	N/A	
12,600.00	7,130.83	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,587.49	7,586.97	0.52	N/A	
12,700.00	7,131.24	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,558.41	7,557.89	0.52	N/A	
12,800.00	7,131.66	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,530.55	7,530.02	0.52	N/A	
12,900.00	7,132.07	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,503.91	7,503.39	0.52	N/A	
13,000.00	7,132.49	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,478.52	7,477.99	0.52	N/A	
13,100.00	7,132.90	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,454.38	7,453.86	0.52	N/A	
13,200.00	7,133.31	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,431.51	7,430.99	0.52	N/A	
13,300.00	7,133.73	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,409.92	7,409.40	0.52	N/A	
13,400.00	7,134.14	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,389.62	7,389.09	0.52	N/A	
13,500.00	7,134.56	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,370.62	7,370.09	0.52	N/A	
13,600.00	7,134.97	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,352.93	7,352.40	0.52	N/A	
13,700.00	7,135.38	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,336.56	7,336.04	0.52	N/A	
13,800.00	7,135.80	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,321.52	7,321.00	0.52	N/A	
13,900.00	7,136.21	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,307.82	7,307.29	0.52	N/A	
14,000.00	7,136.62	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,295.46	7,294.94	0.52	N/A	
14,100.00	7,137.04	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,284.46	7,283.93	0.52	N/A	
14,200.00	7,137.45	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,274.81	7,274.29	0.52	N/A	
14,300.00	7,137.87	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,266.53	7,266.00	0.52	N/A	
14,400.00	7,138.28	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,259.61	7,259.09	0.52	N/A	
14,500.00	7,138.69	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,254.07	7,253.55	0.52	N/A	
14,600.00	7,139.11	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,249.90	7,249.38	0.52	N/A	
14,700.00	7,139.52	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,247.11	7,246.59	0.52	N/A	
14,800.00	7,139.94	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,245.70	7,245.18	0.52	N/A	
14,852.24	7,140.15	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,245.51	7,244.99	0.52	N/A	CC, ES
14,900.00	7,140.35	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,245.67	7,245.15	0.52	N/A	
15,000.00	7,140.76	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,247.02	7,246.50	0.52	N/A	
15,100.00	7,141.18	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,249.75	7,249.22	0.52	N/A	
15,200.00	7,141.59	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,253.85	7,253.33	0.52	N/A	
15,300.00	7,142.00	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,259.33	7,258.81	0.52	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,266.19	7,265.67	0.52	N/A	
15,500.00	7,142.83	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,274.41	7,273.89	0.52	N/A	
15,600.00	7,143.25	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,284.00	7,283.47	0.52	N/A	
15,700.00	7,143.66	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,294.94	7,294.42	0.52	N/A	
15,800.00	7,144.07	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,307.24	7,306.71	0.52	N/A	
15,900.00	7,144.49	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,320.88	7,320.36	0.52	N/A	
16,000.00	7,144.90	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,335.86	7,335.33	0.52	N/A	
16,100.00	7,145.32	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,352.17	7,351.64	0.52	N/A	
16,200.00	7,145.73	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,369.80	7,369.27	0.52	N/A	
16,300.00	7,146.14	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,388.74	7,388.22	0.52	N/A	
16,400.00	7,146.56	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,408.98	7,408.46	0.52	N/A	
16,500.00	7,146.97	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,430.52	7,429.99	0.52	N/A	
16,600.00	7,147.38	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,453.33	7,452.81	0.52	N/A	
16,700.00	7,147.80	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,477.41	7,476.89	0.52	N/A	
16,800.00	7,148.21	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,502.75	7,502.23	0.52	N/A	
16,900.00	7,148.63	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,529.33	7,528.81	0.52	N/A	
17,000.00	7,149.04	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,557.14	7,556.62	0.52	N/A	
17,100.00	7,149.45	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,586.16	7,585.64	0.52	N/A	
17,200.00	7,149.87	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,616.39	7,615.87	0.52	N/A	
17,232.03	7,150.00	100.00	145.97	0.00	2.00	-15.13	1,910.52	7,526.10	7,626.33	7,625.81	0.52	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	46.94	0.00	0.00	75.76	1,910.45	7,526.10	7,764.93				
100.00	100.00	53.06	100.00	0.00	1.06	75.76	1,910.45	7,526.10	7,764.79	7,763.73	1.06	7,314.966	
128.99	128.99	82.05	128.99	0.00	1.64	75.76	1,910.45	7,526.10	7,764.79	7,763.15	1.64	4,731.234	
200.00	200.00	100.00	146.94	0.00	2.00	75.76	1,910.45	7,526.10	7,764.97	7,762.97	2.00	3,882.098	SF
300.00	300.00	100.00	146.94	0.00	2.00	75.76	1,910.45	7,526.10	7,766.30	7,764.30	2.00	3,882.762	
400.00	399.98	100.00	146.94	0.00	2.00	165.68	1,910.45	7,526.10	7,770.60	7,768.61	2.00	3,887.137	
500.00	499.84	100.00	146.94	0.00	2.00	165.64	1,910.45	7,526.10	7,779.56	7,777.57	2.00	3,898.303	
600.00	599.47	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,792.94	7,790.95	1.99	3,911.697	
700.00	699.05	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,808.26	7,806.27	1.99	3,919.390	
800.00	798.62	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,824.84	7,822.85	1.99	3,927.709	
900.00	898.20	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,842.65	7,840.66	1.99	3,936.651	
1,000.00	997.77	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,861.70	7,859.71	1.99	3,946.211	
1,100.00	1,097.35	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,881.97	7,879.98	1.99	3,956.385	
1,200.00	1,196.92	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,903.45	7,901.46	1.99	3,967.168	
1,300.00	1,296.49	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,926.14	7,924.14	1.99	3,978.555	
1,400.00	1,396.07	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,950.01	7,948.02	1.99	3,990.542	
1,500.00	1,495.64	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,975.08	7,973.08	1.99	4,003.121	
1,600.00	1,595.22	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,001.31	7,999.32	1.99	4,016.289	
1,700.00	1,694.79	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,028.70	8,026.71	1.99	4,030.039	
1,800.00	1,794.37	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,057.24	8,055.25	1.99	4,044.365	
1,900.00	1,893.94	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,086.92	8,084.93	1.99	4,059.261	
2,000.00	1,993.51	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,117.72	8,115.73	1.99	4,074.722	
2,100.00	2,093.09	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,149.63	8,147.64	1.99	4,090.739	
2,200.00	2,192.66	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,182.64	8,180.65	1.99	4,107.308	
2,300.00	2,292.24	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,216.73	8,214.74	1.99	4,124.421	
2,400.00	2,391.81	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,251.90	8,249.90	1.99	4,142.072	
2,500.00	2,491.39	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,288.12	8,286.12	1.99	4,160.254	
2,600.00	2,590.96	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,325.38	8,323.39	1.99	4,178.959	
2,700.00	2,690.53	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,363.68	8,361.68	1.99	4,198.181	
2,800.00	2,790.11	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,402.99	8,401.00	1.99	4,217.913	
2,900.00	2,889.68	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,443.30	8,441.31	1.99	4,238.148	
3,000.00	2,989.26	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,484.60	8,482.61	1.99	4,258.878	
3,100.00	3,088.83	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,526.87	8,524.88	1.99	4,280.097	
3,200.00	3,188.41	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,570.10	8,568.11	1.99	4,301.796	
3,300.00	3,287.98	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,614.27	8,612.28	1.99	4,323.970	
3,400.00	3,387.56	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,659.38	8,657.39	1.99	4,346.610	
3,500.00	3,487.13	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,705.40	8,703.40	1.99	4,369.709	
3,600.00	3,586.70	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,752.32	8,750.32	1.99	4,393.260	
3,700.00	3,686.28	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,800.12	8,798.13	1.99	4,417.257	
3,800.00	3,785.85	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,848.80	8,846.81	1.99	4,441.690	
3,900.00	3,885.43	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,898.33	8,896.34	1.99	4,466.555	
4,000.00	3,985.00	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,948.71	8,946.72	1.99	4,491.842	
4,100.00	4,084.58	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,999.92	8,997.93	1.99	4,517.546	
4,200.00	4,184.15	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,051.94	9,049.95	1.99	4,543.659	
4,300.00	4,283.72	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,104.77	9,102.77	1.99	4,570.174	
4,400.00	4,383.30	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,158.38	9,156.39	1.99	4,597.085	
4,500.00	4,482.87	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,212.76	9,210.77	1.99	4,624.383	
4,600.00	4,582.45	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,267.91	9,265.91	1.99	4,652.063	
4,700.00	4,682.02	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,323.80	9,321.81	1.99	4,680.118	
4,800.00	4,781.60	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,380.42	9,378.43	1.99	4,708.540	
4,900.00	4,881.17	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,437.77	9,435.77	1.99	4,737.324	
5,000.00	4,980.74	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,495.82	9,493.82	1.99	4,766.463	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,554.56	9,552.57	1.99	4,795.950	
5,200.00	5,179.89	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,613.99	9,611.99	1.99	4,825.779	
5,300.00	5,279.47	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,674.08	9,672.09	1.99	4,855.944	
5,400.00	5,379.04	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,734.83	9,732.84	1.99	4,886.438	
5,500.00	5,478.62	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,796.23	9,794.23	1.99	4,917.255	
5,600.00	5,578.19	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,858.25	9,856.26	1.99	4,948.390	
5,700.00	5,677.77	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,920.90	9,918.91	1.99	4,979.836	
5,800.00	5,777.34	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,984.16	9,982.16	1.99	5,011.587	
5,900.00	5,876.91	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,048.01	10,046.02	1.99	5,043.638	
6,000.00	5,976.49	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,112.45	10,110.45	1.99	5,075.983	
6,100.00	6,076.06	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,177.46	10,175.47	1.99	5,108.617	
6,200.00	6,175.64	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,243.04	10,241.04	1.99	5,141.533	
6,300.00	6,275.24	100.00	146.94	0.00	2.00	165.76	1,910.45	7,526.10	10,308.97	10,306.97	1.99	5,168.937	
6,400.00	6,375.13	100.00	146.94	0.00	2.00	-12.49	1,910.45	7,526.10	10,370.71	10,368.71	2.00	5,188.417	
6,500.00	6,474.53	100.00	146.94	0.00	2.00	-11.78	1,910.45	7,526.10	10,422.71	10,420.74	1.97	5,282.901	
6,600.00	6,571.72	100.00	146.94	0.00	2.00	-11.13	1,910.45	7,526.10	10,464.15	10,462.24	1.91	5,466.163	
6,700.00	6,665.06	100.00	146.94	0.00	2.00	-10.69	1,910.45	7,526.10	10,494.46	10,492.64	1.82	5,753.301	
6,800.00	6,752.94	100.00	146.94	0.00	2.00	-10.44	1,910.45	7,526.10	10,513.21	10,511.50	1.70	6,170.160	
6,900.00	6,833.85	100.00	146.94	0.00	2.00	-10.35	1,910.45	7,526.10	10,520.14	10,518.58	1.56	6,759.363	
7,000.00	6,906.42	100.00	146.94	0.00	2.00	-10.42	1,910.45	7,526.10	10,515.16	10,513.78	1.39	7,591.332	
7,100.00	6,969.40	100.00	146.94	0.00	2.00	-10.65	1,910.45	7,526.10	10,498.34	10,497.14	1.20	8,784.516	
7,200.00	7,021.72	100.00	146.94	0.00	2.00	-11.08	1,910.45	7,526.10	10,469.91	10,468.91	0.99	N/A	
7,300.00	7,062.47	100.00	146.94	0.00	2.00	-11.72	1,910.45	7,526.10	10,430.26	10,429.46	0.79	N/A	
7,400.00	7,090.97	100.00	146.94	0.00	2.00	-12.64	1,910.45	7,526.10	10,379.94	10,379.33	0.62	N/A	
7,500.00	7,106.72	100.00	146.94	0.00	2.00	-13.95	1,910.45	7,526.10	10,319.68	10,319.16	0.51	N/A	
7,600.00	7,110.14	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	10,250.79	10,250.26	0.52	N/A	
7,700.00	7,110.55	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	10,180.28	10,179.76	0.52	N/A	
7,800.00	7,110.97	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	10,110.28	10,109.76	0.52	N/A	
7,900.00	7,111.38	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	10,040.78	10,040.26	0.52	N/A	
8,000.00	7,111.79	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,971.80	9,971.28	0.52	N/A	
8,100.00	7,112.21	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,903.35	9,902.83	0.52	N/A	
8,200.00	7,112.62	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,835.44	9,834.92	0.52	N/A	
8,300.00	7,113.03	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,768.08	9,767.56	0.52	N/A	
8,400.00	7,113.45	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,701.29	9,700.77	0.52	N/A	
8,500.00	7,113.86	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,635.07	9,634.55	0.52	N/A	
8,600.00	7,114.28	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,569.44	9,568.91	0.52	N/A	
8,700.00	7,114.69	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,504.40	9,503.88	0.52	N/A	
8,800.00	7,115.10	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,439.98	9,439.46	0.52	N/A	
8,900.00	7,115.52	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,376.18	9,375.66	0.52	N/A	
9,000.00	7,115.93	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,313.02	9,312.50	0.52	N/A	
9,100.00	7,116.35	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,250.51	9,249.98	0.52	N/A	
9,200.00	7,116.76	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,188.66	9,188.14	0.52	N/A	
9,300.00	7,117.17	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,127.49	9,126.96	0.52	N/A	
9,400.00	7,117.59	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,067.00	9,066.48	0.52	N/A	
9,500.00	7,118.00	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	9,007.22	9,006.70	0.52	N/A	
9,600.00	7,118.41	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,948.16	8,947.64	0.52	N/A	
9,700.00	7,118.83	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,889.84	8,889.31	0.52	N/A	
9,800.00	7,119.24	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,832.26	8,831.73	0.52	N/A	
9,900.00	7,119.66	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,775.44	8,774.91	0.52	N/A	
10,000.00	7,120.07	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,719.39	8,718.87	0.52	N/A	
10,100.00	7,120.48	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,664.14	8,663.62	0.52	N/A	
10,200.00	7,120.90	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,609.70	8,609.18	0.52	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,556.08	8,555.56	0.52	N/A	
10,400.00	7,121.73	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,503.30	8,502.77	0.52	N/A	
10,500.00	7,122.14	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,451.37	8,450.84	0.52	N/A	
10,600.00	7,122.55	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,400.31	8,399.78	0.52	N/A	
10,700.00	7,122.97	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,350.13	8,349.61	0.52	N/A	
10,800.00	7,123.38	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,300.86	8,300.34	0.52	N/A	
10,900.00	7,123.79	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,252.50	8,251.98	0.52	N/A	
11,000.00	7,124.21	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,205.08	8,204.56	0.52	N/A	
11,100.00	7,124.62	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,158.61	8,158.09	0.52	N/A	
11,200.00	7,125.04	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,113.10	8,112.58	0.52	N/A	
11,300.00	7,125.45	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,068.58	8,068.06	0.52	N/A	
11,400.00	7,125.86	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	8,025.06	8,024.54	0.52	N/A	
11,500.00	7,126.28	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,982.55	7,982.03	0.52	N/A	
11,600.00	7,126.69	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,941.08	7,940.55	0.52	N/A	
11,700.00	7,127.11	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,900.65	7,900.12	0.52	N/A	
11,800.00	7,127.52	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,861.28	7,860.76	0.52	N/A	
11,900.00	7,127.93	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,823.00	7,822.48	0.52	N/A	
12,000.00	7,128.35	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,785.81	7,785.29	0.52	N/A	
12,100.00	7,128.76	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,749.74	7,749.22	0.52	N/A	
12,200.00	7,129.18	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,714.79	7,714.27	0.52	N/A	
12,300.00	7,129.59	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,680.99	7,680.46	0.52	N/A	
12,400.00	7,130.00	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,648.34	7,647.82	0.52	N/A	
12,500.00	7,130.42	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,616.87	7,616.34	0.52	N/A	
12,600.00	7,130.83	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,586.58	7,586.06	0.52	N/A	
12,700.00	7,131.24	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,557.50	7,556.97	0.52	N/A	
12,800.00	7,131.66	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,529.63	7,529.11	0.52	N/A	
12,900.00	7,132.07	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,502.99	7,502.47	0.52	N/A	
13,000.00	7,132.49	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,477.59	7,477.07	0.52	N/A	
13,100.00	7,132.90	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,453.45	7,452.93	0.52	N/A	
13,200.00	7,133.31	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,430.58	7,430.06	0.52	N/A	
13,300.00	7,133.73	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,408.98	7,408.46	0.52	N/A	
13,400.00	7,134.14	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,388.68	7,388.16	0.52	N/A	
13,500.00	7,134.56	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,369.68	7,369.16	0.52	N/A	
13,600.00	7,134.97	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,351.99	7,351.46	0.52	N/A	
13,700.00	7,135.38	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,335.62	7,335.09	0.52	N/A	
13,800.00	7,135.80	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,320.57	7,320.05	0.52	N/A	
13,900.00	7,136.21	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,306.87	7,306.35	0.52	N/A	
14,000.00	7,136.62	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,294.51	7,293.99	0.52	N/A	
14,100.00	7,137.04	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,283.51	7,282.98	0.52	N/A	
14,200.00	7,137.45	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,273.86	7,273.34	0.52	N/A	
14,300.00	7,137.87	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,265.57	7,265.05	0.52	N/A	
14,400.00	7,138.28	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,258.66	7,258.14	0.52	N/A	
14,500.00	7,138.69	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,253.12	7,252.59	0.52	N/A	
14,600.00	7,139.11	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,248.95	7,248.42	0.52	N/A	
14,700.00	7,139.52	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,246.16	7,245.63	0.52	N/A	
14,800.00	7,139.94	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,244.75	7,244.22	0.52	N/A	
14,852.24	7,140.15	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,244.56	7,244.03	0.52	N/A	CC, ES
14,900.00	7,140.35	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,244.71	7,244.19	0.52	N/A	
15,000.00	7,140.76	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,246.06	7,245.54	0.52	N/A	
15,100.00	7,141.18	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,248.79	7,248.27	0.52	N/A	
15,200.00	7,141.59	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,252.90	7,252.38	0.52	N/A	
15,300.00	7,142.00	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,258.38	7,257.86	0.52	N/A	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,265.24	7,264.71	0.52	N/A	
15,500.00	7,142.83	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,273.46	7,272.94	0.52	N/A	
15,600.00	7,143.25	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,283.05	7,282.52	0.52	N/A	
15,700.00	7,143.66	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,293.99	7,293.47	0.52	N/A	
15,800.00	7,144.07	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,306.29	7,305.77	0.52	N/A	
15,900.00	7,144.49	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,319.93	7,319.41	0.52	N/A	
16,000.00	7,144.90	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,334.91	7,334.39	0.52	N/A	
16,100.00	7,145.32	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,351.22	7,350.70	0.52	N/A	
16,200.00	7,145.73	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,368.86	7,368.34	0.52	N/A	
16,300.00	7,146.14	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,387.80	7,387.28	0.52	N/A	
16,400.00	7,146.56	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,408.05	7,407.52	0.52	N/A	
16,500.00	7,146.97	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,429.58	7,429.06	0.52	N/A	
16,600.00	7,147.38	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,452.40	7,451.88	0.52	N/A	
16,700.00	7,147.80	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,476.48	7,475.96	0.52	N/A	
16,800.00	7,148.21	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,501.82	7,501.30	0.52	N/A	
16,900.00	7,148.63	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,528.41	7,527.89	0.52	N/A	
17,000.00	7,149.04	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,556.22	7,555.70	0.52	N/A	
17,100.00	7,149.45	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,585.25	7,584.73	0.52	N/A	
17,200.00	7,149.87	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,615.48	7,614.96	0.52	N/A	
17,232.03	7,150.00	100.00	146.94	0.00	2.00	-15.13	1,910.45	7,526.10	7,625.42	7,624.90	0.52	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	14.74	0.00	0.00	22.64	440.95	183.87	477.98				
100.00	100.00	85.26	100.00	0.00	1.71	22.64	440.95	183.87	477.75	476.04	1.71	280.135	
200.00	200.00	185.26	200.00	0.00	5.41	22.64	440.95	183.87	477.75	472.34	5.41	88.299	
300.00	300.00	285.26	300.00	0.00	9.41	22.64	440.95	183.87	477.75	468.34	9.41	50.767	
400.00	399.98	385.24	399.98	0.00	13.41	112.76	440.95	183.87	478.42	465.01	13.41	35.680	
500.00	499.84	485.10	499.84	0.00	17.40	113.30	440.95	183.87	480.47	463.08	17.40	27.617	
600.00	599.47	584.73	599.47	0.00	21.39	114.18	440.95	183.87	483.90	462.53	21.37	22.639	
700.00	699.05	684.31	699.05	0.00	25.37	115.16	440.95	183.87	487.76	462.41	25.35	19.239	
800.00	798.62	783.88	798.62	0.00	29.36	116.13	440.95	183.87	491.77	462.44	29.33	16.766	
900.00	898.20	883.46	898.20	0.00	33.34	117.09	440.95	183.87	495.91	462.60	33.31	14.888	
1,000.00	997.77	983.03	997.77	0.00	37.32	118.02	440.95	183.87	500.19	462.90	37.29	13.415	
1,100.00	1,097.35	1,082.61	1,097.35	0.00	41.30	118.94	440.95	183.87	504.60	463.33	41.26	12.229	
1,200.00	1,196.92	1,182.18	1,196.92	0.00	45.29	119.85	440.95	183.87	509.14	463.90	45.24	11.254	
1,300.00	1,296.49	1,281.75	1,296.49	0.00	49.27	120.74	440.95	183.87	513.80	464.59	49.22	10.440	
1,400.00	1,396.07	1,381.33	1,396.07	0.00	53.25	121.61	440.95	183.87	518.59	465.40	53.19	9.749	
1,500.00	1,495.64	1,480.90	1,495.64	0.00	57.24	122.47	440.95	183.87	523.49	466.33	57.17	9.157	
1,600.00	1,595.22	1,580.48	1,595.22	0.00	61.22	123.31	440.95	183.87	528.51	467.37	61.14	8.644	
1,700.00	1,694.79	1,680.05	1,694.79	0.00	65.20	124.13	440.95	183.87	533.64	468.53	65.11	8.195	
1,800.00	1,794.37	1,779.63	1,794.37	0.00	69.19	124.94	440.95	183.87	538.88	469.79	69.09	7.800	
1,900.00	1,893.94	1,879.20	1,893.94	0.00	73.17	125.73	440.95	183.87	544.23	471.17	73.06	7.449	
2,000.00	1,993.51	1,978.77	1,993.51	0.00	77.15	126.51	440.95	183.87	549.68	472.64	77.04	7.135	
2,100.00	2,093.09	2,078.35	2,093.09	0.00	81.13	127.27	440.95	183.87	555.23	474.22	81.01	6.854	
2,200.00	2,192.66	2,177.92	2,192.66	0.00	85.12	128.02	440.95	183.87	560.87	475.89	84.98	6.600	
2,300.00	2,292.24	2,277.50	2,292.24	0.00	89.10	128.75	440.95	183.87	566.61	477.66	88.95	6.370	
2,400.00	2,391.81	2,377.07	2,391.81	0.00	93.08	129.47	440.95	183.87	572.44	479.52	92.92	6.160	
2,500.00	2,491.39	2,476.65	2,491.39	0.00	97.07	130.17	440.95	183.87	578.36	481.46	96.89	5.969	
2,600.00	2,590.96	2,576.22	2,590.96	0.00	101.05	130.86	440.95	183.87	584.36	483.49	100.87	5.793	
2,700.00	2,690.53	2,675.79	2,690.53	0.00	105.03	131.54	440.95	183.87	590.45	485.61	104.84	5.632	
2,800.00	2,790.11	2,775.37	2,790.11	0.00	109.01	132.20	440.95	183.87	596.61	487.81	108.81	5.483	
2,900.00	2,889.68	2,874.94	2,889.68	0.00	113.00	132.85	440.95	183.87	602.86	490.08	112.78	5.346	
3,000.00	2,989.26	2,974.52	2,989.26	0.00	116.98	133.48	440.95	183.87	609.18	492.43	116.75	5.218	
3,100.00	3,088.83	3,074.09	3,088.83	0.00	120.96	134.10	440.95	183.87	615.57	494.85	120.71	5.099	
3,200.00	3,188.41	3,173.67	3,188.41	0.00	124.95	134.71	440.95	183.87	622.03	497.35	124.68	4.989	
3,300.00	3,287.98	3,273.24	3,287.98	0.00	128.93	135.31	440.95	183.87	628.56	499.91	128.65	4.886	
3,400.00	3,387.56	3,372.82	3,387.56	0.00	132.91	135.89	440.95	183.87	635.16	502.54	132.62	4.789	
3,500.00	3,487.13	3,472.39	3,487.13	0.00	136.90	136.46	440.95	183.87	641.83	505.24	136.59	4.699	
3,600.00	3,586.70	3,571.96	3,586.70	0.00	140.88	137.02	440.95	183.87	648.55	507.99	140.56	4.614	
3,700.00	3,686.28	3,671.54	3,686.28	0.00	144.86	137.57	440.95	183.87	655.34	510.81	144.53	4.534	
3,800.00	3,785.85	3,771.11	3,785.85	0.00	148.84	138.11	440.95	183.87	662.18	513.69	148.49	4.459	
3,900.00	3,885.43	3,870.69	3,885.43	0.00	152.83	138.63	440.95	183.87	669.08	516.62	152.46	4.389	
4,000.00	3,985.00	3,970.26	3,985.00	0.00	156.81	139.15	440.95	183.87	676.04	519.61	156.43	4.322	
4,100.00	4,084.58	4,069.84	4,084.58	0.00	160.79	139.65	440.95	183.87	683.05	522.66	160.40	4.259	
4,200.00	4,184.15	4,169.41	4,184.15	0.00	164.78	140.15	440.95	183.87	690.12	525.75	164.36	4.199	
4,300.00	4,283.72	4,268.98	4,283.72	0.00	168.76	140.63	440.95	183.87	697.23	528.90	168.33	4.142	
4,400.00	4,383.30	4,368.56	4,383.30	0.00	172.74	141.11	440.95	183.87	704.39	532.09	172.30	4.088	
4,500.00	4,482.87	4,468.13	4,482.87	0.00	176.73	141.57	440.95	183.87	711.60	535.33	176.26	4.037	
4,600.00	4,582.45	4,567.71	4,582.45	0.00	180.71	142.03	440.95	183.87	718.85	538.62	180.23	3.989	
4,700.00	4,682.02	4,667.28	4,682.02	0.00	184.69	142.47	440.95	183.87	726.15	541.96	184.20	3.942	
4,800.00	4,781.60	4,766.86	4,781.60	0.00	188.67	142.91	440.95	183.87	733.50	545.33	188.16	3.898	
4,900.00	4,881.17	4,866.43	4,881.17	0.00	192.66	143.34	440.95	183.87	740.88	548.75	192.13	3.856	
5,000.00	4,980.74	4,966.00	4,980.74	0.00	196.64	143.76	440.95	183.87	748.30	552.21	196.10	3.816	
5,100.00	5,080.32	5,065.58	5,080.32	0.00	200.62	144.17	440.95	183.87	755.77	555.71	200.06	3.778	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,165.15	5,179.89	0.00	204.61	144.58	440.95	183.87	763.27	559.24	204.03	3.741	
5,300.00	5,279.47	5,264.73	5,279.47	0.00	208.59	144.98	440.95	183.87	770.81	562.82	207.99	3.706	
5,400.00	5,379.04	5,364.30	5,379.04	0.00	212.57	145.36	440.95	183.87	778.39	566.43	211.96	3.672	
5,500.00	5,478.62	5,463.88	5,478.62	0.00	216.56	145.75	440.95	183.87	786.00	570.07	215.93	3.640	
5,600.00	5,578.19	5,563.45	5,578.19	0.00	220.54	146.12	440.95	183.87	793.64	573.75	219.89	3.609	
5,700.00	5,677.77	5,663.03	5,677.77	0.00	224.52	146.49	440.95	183.87	801.32	577.47	223.86	3.580	
5,800.00	5,777.34	5,762.60	5,777.34	0.00	228.50	146.85	440.95	183.87	809.03	581.21	227.82	3.551	
5,900.00	5,876.91	5,862.17	5,876.91	0.00	232.49	147.20	440.95	183.87	816.78	584.99	231.79	3.524	
6,000.00	5,976.49	5,961.75	5,976.49	0.00	236.47	147.55	440.95	183.87	824.55	588.79	235.75	3.497	
6,100.00	6,076.06	6,061.32	6,076.06	0.00	240.45	147.89	440.95	183.87	832.35	592.63	239.72	3.472	
6,200.00	6,175.64	6,160.90	6,175.64	0.00	244.44	148.22	440.95	183.87	840.18	596.49	243.68	3.448	
6,300.00	6,275.24	6,260.50	6,275.24	0.00	248.42	148.57	440.95	183.87	847.81	599.94	247.86	3.420	
6,400.00	6,375.13	6,360.39	6,375.13	0.00	252.42	-30.74	440.95	183.87	850.05	597.76	252.28	3.369	
6,500.00	6,474.53	6,459.79	6,474.53	0.00	256.39	-31.72	440.95	183.87	841.21	587.45	253.76	3.315	
6,600.00	6,571.72	6,556.98	6,571.72	0.00	260.28	-33.43	440.95	183.87	821.48	569.23	252.25	3.257	
6,700.00	6,665.06	6,650.32	6,665.06	0.00	264.01	-36.20	440.95	183.87	791.52	542.94	248.58	3.184	
6,800.00	6,752.94	6,738.20	6,752.94	0.00	267.53	-40.27	440.95	183.87	752.37	507.92	244.45	3.078	
6,900.00	6,833.85	6,819.11	6,833.85	0.00	270.76	-45.87	440.95	183.87	705.55	463.01	242.53	2.909	
7,000.00	6,906.42	6,891.68	6,906.42	0.00	273.67	-53.12	440.95	183.87	653.12	407.39	245.73	2.658	
7,100.00	6,969.40	6,954.66	6,969.40	0.00	276.19	-61.82	440.95	183.87	597.91	343.05	254.86	2.346	
7,200.00	7,021.72	7,006.98	7,021.72	0.00	278.28	-71.13	440.95	183.87	543.64	276.99	266.65	2.039	
7,300.00	7,062.47	7,047.73	7,062.47	0.00	279.91	-79.68	440.95	183.87	495.23	219.29	275.93	1.795	
7,400.00	7,090.97	7,076.23	7,090.97	0.00	281.05	-86.12	440.95	183.87	458.66	178.22	280.44	1.636	
7,500.00	7,106.72	7,091.98	7,106.72	0.00	281.68	-89.57	440.95	183.87	440.03	158.36	281.67	1.562	
7,535.60	7,109.46	7,094.72	7,109.46	0.00	281.79	-90.00	440.95	183.87	438.59	156.80	281.79	1.556	CC, ES, SF
7,600.00	7,110.14	7,095.40	7,110.14	0.00	281.82	-90.03	440.95	183.87	443.30	161.48	281.82	1.573	
7,700.00	7,110.55	7,095.81	7,110.55	0.00	281.83	-90.09	440.95	183.87	468.40	186.56	281.83	1.662	
7,800.00	7,110.97	7,096.23	7,110.97	0.00	281.85	-90.14	440.95	183.87	512.13	230.28	281.85	1.817	
7,900.00	7,111.38	7,096.64	7,111.38	0.00	281.87	-90.20	440.95	183.87	570.23	288.36	281.86	2.023	
8,000.00	7,111.79	7,097.05	7,111.79	0.00	281.88	-90.25	440.95	183.87	638.78	356.90	281.88	2.266	
8,100.00	7,112.21	7,097.47	7,112.21	0.00	281.90	-90.31	440.95	183.87	714.79	432.89	281.89	2.536	
8,200.00	7,112.62	7,097.88	7,112.62	0.00	281.92	-90.36	440.95	183.87	796.12	514.21	281.91	2.824	
8,300.00	7,113.03	7,098.29	7,113.03	0.00	281.93	-90.41	440.95	183.87	881.29	599.37	281.92	3.126	
8,400.00	7,113.45	7,098.71	7,113.45	0.00	281.95	-90.47	440.95	183.87	969.31	687.37	281.94	3.438	
8,500.00	7,113.86	7,099.12	7,113.86	0.00	281.96	-90.52	440.95	183.87	1,059.45	777.50	281.95	3.758	
8,600.00	7,114.28	7,099.54	7,114.28	0.00	281.98	-90.58	440.95	183.87	1,151.22	869.26	281.97	4.083	
8,700.00	7,114.69	7,099.95	7,114.69	0.00	282.00	-90.63	440.95	183.87	1,244.27	962.28	281.98	4.413	
8,800.00	7,115.10	7,100.36	7,115.10	0.00	282.01	-90.68	440.95	183.87	1,338.31	1,056.32	281.99	4.746	
8,900.00	7,115.52	7,100.78	7,115.52	0.00	282.03	-90.74	440.95	183.87	1,433.16	1,151.15	282.01	5.082	
9,000.00	7,115.93	7,101.19	7,115.93	0.00	282.05	-90.79	440.95	183.87	1,528.67	1,246.65	282.02	5.420	
9,100.00	7,116.35	7,101.61	7,116.35	0.00	282.06	-90.85	440.95	183.87	1,624.72	1,342.68	282.03	5.761	
9,200.00	7,116.76	7,102.02	7,116.76	0.00	282.08	-90.90	440.95	183.87	1,721.22	1,439.17	282.05	6.103	
9,300.00	7,117.17	7,102.43	7,117.17	0.00	282.10	-90.95	440.95	183.87	1,818.09	1,536.03	282.06	6.446	
9,400.00	7,117.59	7,102.85	7,117.59	0.00	282.11	-91.01	440.95	183.87	1,915.29	1,633.22	282.07	6.790	
9,500.00	7,118.00	7,103.26	7,118.00	0.00	282.13	-91.06	440.95	183.87	2,012.76	1,730.68	282.08	7.135	
9,600.00	7,118.41	7,103.67	7,118.41	0.00	282.15	-91.12	440.95	183.87	2,110.47	1,828.38	282.09	7.481	
9,700.00	7,118.83	7,104.09	7,118.83	0.00	282.16	-91.17	440.95	183.87	2,208.39	1,926.28	282.10	7.828	
9,800.00	7,119.24	7,104.50	7,119.24	0.00	282.18	-91.22	440.95	183.87	2,306.48	2,024.36	282.12	8.176	
9,900.00	7,119.66	7,104.92	7,119.66	0.00	282.20	-91.28	440.95	183.87	2,404.73	2,122.60	282.13	8.524	
10,000.00	7,120.07	7,105.33	7,120.07	0.00	282.21	-91.33	440.95	183.87	2,503.12	2,220.98	282.14	8.872	
10,100.00	7,120.48	7,105.74	7,120.48	0.00	282.23	-91.39	440.95	183.87	2,601.63	2,319.48	282.15	9.221	
10,200.00	7,120.90	7,106.16	7,120.90	0.00	282.25	-91.44	440.95	183.87	2,700.25	2,418.09	282.16	9.570	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	7,106.57	7,121.31	0.00	282.26	-91.49	440.95	183.87	2,798.97	2,516.80	282.17	9.920	
10,400.00	7,121.73	7,106.99	7,121.73	0.00	282.28	-91.55	440.95	183.87	2,897.77	2,615.60	282.18	10.269	
10,500.00	7,122.14	7,107.40	7,122.14	0.00	282.30	-91.60	440.95	183.87	2,996.66	2,714.47	282.19	10.619	
10,600.00	7,122.55	7,107.81	7,122.55	0.00	282.31	-91.66	440.95	183.87	3,095.61	2,813.42	282.19	10.970	
10,700.00	7,122.97	7,108.23	7,122.97	0.00	282.33	-91.71	440.95	183.87	3,194.64	2,912.43	282.20	11.320	
10,800.00	7,123.38	7,108.64	7,123.38	0.00	282.35	-91.76	440.95	183.87	3,293.72	3,011.50	282.21	11.671	
10,900.00	7,123.79	7,109.05	7,123.79	0.00	282.36	-91.82	440.95	183.87	3,392.85	3,110.63	282.22	12.022	
11,000.00	7,124.21	7,109.47	7,124.21	0.00	282.38	-91.87	440.95	183.87	3,492.04	3,209.81	282.23	12.373	
11,100.00	7,124.62	7,109.88	7,124.62	0.00	282.40	-91.93	440.95	183.87	3,591.26	3,309.03	282.24	12.724	
11,200.00	7,125.04	7,110.30	7,125.04	0.00	282.41	-91.98	440.95	183.87	3,690.54	3,408.29	282.24	13.076	
11,300.00	7,125.45	7,110.71	7,125.45	0.00	282.43	-92.03	440.95	183.87	3,789.84	3,507.59	282.25	13.427	
11,400.00	7,125.86	7,111.12	7,125.86	0.00	282.44	-92.09	440.95	183.87	3,889.19	3,606.93	282.26	13.779	
11,500.00	7,126.28	7,111.54	7,126.28	0.00	282.46	-92.14	440.95	183.87	3,988.57	3,706.30	282.26	14.131	
11,600.00	7,126.69	7,111.95	7,126.69	0.00	282.48	-92.20	440.95	183.87	4,087.97	3,805.70	282.27	14.482	
11,700.00	7,127.11	7,112.37	7,127.11	0.00	282.49	-92.25	440.95	183.87	4,187.41	3,905.13	282.28	14.834	
11,800.00	7,127.52	7,112.78	7,127.52	0.00	282.51	-92.30	440.95	183.87	4,286.87	4,004.59	282.28	15.186	
11,900.00	7,127.93	7,113.19	7,127.93	0.00	282.53	-92.36	440.95	183.87	4,386.36	4,104.07	282.29	15.539	
12,000.00	7,128.35	7,113.61	7,128.35	0.00	282.54	-92.41	440.95	183.87	4,485.87	4,203.57	282.29	15.891	
12,100.00	7,128.76	7,114.02	7,128.76	0.00	282.56	-92.47	440.95	183.87	4,585.40	4,303.10	282.30	16.243	
12,200.00	7,129.18	7,114.44	7,129.18	0.00	282.58	-92.52	440.95	183.87	4,684.95	4,402.64	282.30	16.595	
12,300.00	7,129.59	7,114.85	7,129.59	0.00	282.59	-92.57	440.95	183.87	4,784.52	4,502.21	282.31	16.948	
12,400.00	7,130.00	7,115.26	7,130.00	0.00	282.61	-92.63	440.95	183.87	4,884.10	4,601.79	282.31	17.300	
12,500.00	7,130.42	7,115.68	7,130.42	0.00	282.63	-92.68	440.95	183.87	4,983.71	4,701.39	282.32	17.653	
12,600.00	7,130.83	7,116.09	7,130.83	0.00	282.64	-92.74	440.95	183.87	5,083.33	4,801.00	282.32	18.005	
12,700.00	7,131.24	7,116.50	7,131.24	0.00	282.66	-92.79	440.95	183.87	5,182.96	4,900.63	282.33	18.358	
12,800.00	7,131.66	7,116.92	7,131.66	0.00	282.68	-92.84	440.95	183.87	5,282.61	5,000.28	282.33	18.711	
12,900.00	7,132.07	7,117.33	7,132.07	0.00	282.69	-92.90	440.95	183.87	5,382.27	5,099.93	282.33	19.064	
13,000.00	7,132.49	7,117.75	7,132.49	0.00	282.71	-92.95	440.95	183.87	5,481.94	5,199.60	282.33	19.416	
13,100.00	7,132.90	7,118.16	7,132.90	0.00	282.73	-93.01	440.95	183.87	5,581.62	5,299.29	282.34	19.769	
13,200.00	7,133.31	7,118.57	7,133.31	0.00	282.74	-93.06	440.95	183.87	5,681.32	5,398.98	282.34	20.122	
13,300.00	7,133.73	7,118.99	7,133.73	0.00	282.76	-93.11	440.95	183.87	5,781.02	5,498.68	282.34	20.475	
13,400.00	7,134.14	7,119.40	7,134.14	0.00	282.78	-93.17	440.95	183.87	5,880.74	5,598.40	282.34	20.828	
13,500.00	7,134.56	7,119.82	7,134.56	0.00	282.79	-93.22	440.95	183.87	5,980.47	5,698.12	282.35	21.181	
13,600.00	7,134.97	7,120.23	7,134.97	0.00	282.81	-93.28	440.95	183.87	6,080.20	5,797.85	282.35	21.534	
13,700.00	7,135.38	7,120.64	7,135.38	0.00	282.83	-93.33	440.95	183.87	6,179.94	5,897.59	282.35	21.888	
13,800.00	7,135.80	7,121.06	7,135.80	0.00	282.84	-93.38	440.95	183.87	6,279.69	5,997.34	282.35	22.241	
13,900.00	7,136.21	7,121.47	7,136.21	0.00	282.86	-93.44	440.95	183.87	6,379.45	6,097.10	282.35	22.594	
14,000.00	7,136.62	7,121.88	7,136.62	0.00	282.88	-93.49	440.95	183.87	6,479.22	6,196.87	282.35	22.947	
14,100.00	7,137.04	7,122.30	7,137.04	0.00	282.89	-93.54	440.95	183.87	6,578.99	6,296.64	282.35	23.301	
14,200.00	7,137.45	7,122.71	7,137.45	0.00	282.91	-93.60	440.95	183.87	6,678.77	6,396.42	282.35	23.654	
14,300.00	7,137.87	7,123.13	7,137.87	0.00	282.93	-93.65	440.95	183.87	6,778.56	6,496.21	282.35	24.008	
14,400.00	7,138.28	7,123.54	7,138.28	0.00	282.94	-93.71	440.95	183.87	6,878.35	6,596.00	282.35	24.361	
14,500.00	7,138.69	7,123.95	7,138.69	0.00	282.96	-93.76	440.95	183.87	6,978.15	6,695.80	282.35	24.715	
14,600.00	7,139.11	7,124.37	7,139.11	0.00	282.97	-93.81	440.95	183.87	7,077.95	6,795.61	282.35	25.068	
14,700.00	7,139.52	7,124.78	7,139.52	0.00	282.99	-93.87	440.95	183.87	7,177.76	6,895.42	282.35	25.422	
14,800.00	7,139.94	7,125.20	7,139.94	0.00	283.01	-93.92	440.95	183.87	7,277.58	6,995.23	282.35	25.775	
14,900.00	7,140.35	7,125.61	7,140.35	0.00	283.02	-93.98	440.95	183.87	7,377.40	7,095.05	282.34	26.129	
15,000.00	7,140.76	7,126.02	7,140.76	0.00	283.04	-94.03	440.95	183.87	7,477.22	7,194.88	282.34	26.483	
15,100.00	7,141.18	7,126.44	7,141.18	0.00	283.06	-94.08	440.95	183.87	7,577.05	7,294.71	282.34	26.837	
15,200.00	7,141.59	7,126.85	7,141.59	0.00	283.07	-94.14	440.95	183.87	7,676.89	7,394.55	282.34	27.191	
15,300.00	7,142.00	7,127.26	7,142.00	0.00	283.09	-94.19	440.95	183.87	7,776.72	7,494.39	282.33	27.544	
15,400.00	7,142.42	7,127.68	7,142.42	0.00	283.11	-94.24	440.95	183.87	7,876.57	7,594.23	282.33	27.898	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,128.09	7,142.83	0.00	283.12	-94.30	440.95	183.87	7,976.41	7,694.08	282.33	28.252	
15,600.00	7,143.25	7,128.51	7,143.25	0.00	283.14	-94.35	440.95	183.87	8,076.26	7,793.94	282.32	28.606	
15,700.00	7,143.66	7,128.92	7,143.66	0.00	283.16	-94.41	440.95	183.87	8,176.11	7,893.79	282.32	28.960	
15,800.00	7,144.07	7,129.33	7,144.07	0.00	283.17	-94.46	440.95	183.87	8,275.97	7,993.66	282.32	29.315	
15,900.00	7,144.49	7,129.75	7,144.49	0.00	283.19	-94.51	440.95	183.87	8,375.83	8,093.52	282.31	29.669	
16,000.00	7,144.90	7,130.16	7,144.90	0.00	283.21	-94.57	440.95	183.87	8,475.70	8,193.39	282.31	30.023	
16,100.00	7,145.32	7,130.58	7,145.32	0.00	283.22	-94.62	440.95	183.87	8,575.56	8,293.26	282.30	30.377	
16,200.00	7,145.73	7,130.99	7,145.73	0.00	283.24	-94.67	440.95	183.87	8,675.43	8,393.13	282.30	30.731	
16,300.00	7,146.14	7,131.40	7,146.14	0.00	283.26	-94.73	440.95	183.87	8,775.30	8,493.01	282.29	31.086	
16,400.00	7,146.56	7,131.82	7,146.56	0.00	283.27	-94.78	440.95	183.87	8,875.18	8,592.89	282.29	31.440	
16,500.00	7,146.97	7,132.23	7,146.97	0.00	283.29	-94.83	440.95	183.87	8,975.06	8,692.78	282.28	31.795	
16,600.00	7,147.38	7,132.64	7,147.38	0.00	283.31	-94.89	440.95	183.87	9,074.94	8,792.66	282.28	32.149	
16,700.00	7,147.80	7,133.06	7,147.80	0.00	283.32	-94.94	440.95	183.87	9,174.82	8,892.55	282.27	32.504	
16,800.00	7,148.21	7,133.47	7,148.21	0.00	283.34	-95.00	440.95	183.87	9,274.71	8,992.45	282.26	32.858	
16,900.00	7,148.63	7,133.89	7,148.63	0.00	283.36	-95.05	440.95	183.87	9,374.60	9,092.34	282.26	33.213	
17,000.00	7,149.04	7,134.30	7,149.04	0.00	283.37	-95.10	440.95	183.87	9,474.49	9,192.24	282.25	33.568	
17,100.00	7,149.45	7,134.71	7,149.45	0.00	283.39	-95.16	440.95	183.87	9,574.38	9,292.14	282.24	33.923	
17,200.00	7,149.87	7,135.13	7,149.87	0.00	283.41	-95.21	440.95	183.87	9,674.28	9,392.04	282.23	34.277	
17,232.03	7,150.00	7,135.26	7,150.00	0.00	283.41	-95.23	440.95	183.87	9,706.28	9,424.05	282.23	34.391	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	44.31	0.00	0.00	178.14	-2,271.83	73.60	2,273.45				
100.00	100.00	55.69	100.00	0.00	1.11	178.14	-2,271.83	73.60	2,273.02	2,271.91	1.11	2,040.252	
200.00	200.00	155.69	200.00	0.00	4.23	178.14	-2,271.83	73.60	2,273.02	2,268.79	4.23	537.637	
300.00	300.00	255.69	300.00	0.00	8.23	178.14	-2,271.83	73.60	2,273.02	2,264.79	8.23	276.261	CC
400.00	399.98	355.67	399.98	0.00	12.23	-91.95	-2,271.83	73.60	2,273.08	2,260.85	12.23	185.907	
500.00	499.84	455.53	499.84	0.00	16.22	-92.08	-2,271.83	73.60	2,273.27	2,257.04	16.22	140.141	
600.00	599.47	555.16	599.47	0.00	20.21	-92.29	-2,271.83	73.60	2,273.59	2,253.38	20.21	112.517	
700.00	699.05	654.74	699.05	0.00	24.19	-92.52	-2,271.83	73.60	2,273.98	2,249.79	24.19	94.007	
800.00	798.62	754.31	798.62	0.00	28.17	-92.75	-2,271.83	73.60	2,274.41	2,246.23	28.17	80.732	
900.00	898.20	853.89	898.20	0.00	32.16	-92.98	-2,271.83	73.60	2,274.87	2,242.71	32.16	70.746	
1,000.00	997.77	953.46	997.77	0.00	36.14	-93.21	-2,271.83	73.60	2,275.37	2,239.23	36.14	62.963	
1,100.00	1,097.35	1,053.04	1,097.35	0.00	40.12	-93.45	-2,271.83	73.60	2,275.91	2,235.79	40.12	56.726	
1,200.00	1,196.92	1,152.61	1,196.92	0.00	44.10	-93.68	-2,271.83	73.60	2,276.48	2,232.38	44.10	51.616	
1,300.00	1,296.49	1,252.18	1,296.49	0.00	48.09	-93.91	-2,271.83	73.60	2,277.09	2,229.01	48.09	47.354	
1,400.00	1,396.07	1,351.76	1,396.07	0.00	52.07	-94.14	-2,271.83	73.60	2,277.74	2,225.67	52.07	43.744	
1,500.00	1,495.64	1,451.33	1,495.64	0.00	56.05	-94.37	-2,271.83	73.60	2,278.43	2,222.38	56.05	40.648	
1,600.00	1,595.22	1,550.91	1,595.22	0.00	60.04	-94.60	-2,271.83	73.60	2,279.15	2,219.12	60.03	37.964	
1,700.00	1,694.79	1,650.48	1,694.79	0.00	64.02	-94.83	-2,271.83	73.60	2,279.91	2,215.89	64.02	35.614	
1,800.00	1,794.37	1,750.06	1,794.37	0.00	68.00	-95.06	-2,271.83	73.60	2,280.71	2,212.71	68.00	33.540	
1,900.00	1,893.94	1,849.63	1,893.94	0.00	71.99	-95.29	-2,271.83	73.60	2,281.54	2,209.56	71.98	31.696	
2,000.00	1,993.51	1,949.20	1,993.51	0.00	75.97	-95.52	-2,271.83	73.60	2,282.41	2,206.45	75.97	30.045	
2,100.00	2,093.09	2,048.78	2,093.09	0.00	79.95	-95.74	-2,271.83	73.60	2,283.32	2,203.37	79.95	28.560	
2,200.00	2,192.66	2,148.35	2,192.66	0.00	83.93	-95.97	-2,271.83	73.60	2,284.27	2,200.34	83.93	27.216	
2,300.00	2,292.24	2,247.93	2,292.24	0.00	87.92	-96.20	-2,271.83	73.60	2,285.25	2,197.34	87.91	25.994	
2,400.00	2,391.81	2,347.50	2,391.81	0.00	91.90	-96.43	-2,271.83	73.60	2,286.27	2,194.37	91.90	24.879	
2,500.00	2,491.39	2,447.08	2,491.39	0.00	95.88	-96.66	-2,271.83	73.60	2,287.32	2,191.44	95.88	23.857	
2,600.00	2,590.96	2,546.65	2,590.96	0.00	99.87	-96.89	-2,271.83	73.60	2,288.41	2,188.55	99.86	22.916	
2,700.00	2,690.53	2,646.22	2,690.53	0.00	103.85	-97.12	-2,271.83	73.60	2,289.54	2,185.70	103.84	22.048	
2,800.00	2,790.11	2,745.80	2,790.11	0.00	107.83	-97.34	-2,271.83	73.60	2,290.71	2,182.88	107.82	21.245	
2,900.00	2,889.68	2,845.37	2,889.68	0.00	111.81	-97.57	-2,271.83	73.60	2,291.91	2,180.10	111.81	20.499	
3,000.00	2,989.26	2,944.95	2,989.26	0.00	115.80	-97.80	-2,271.83	73.60	2,293.15	2,177.36	115.79	19.805	
3,100.00	3,088.83	3,044.52	3,088.83	0.00	119.78	-98.03	-2,271.83	73.60	2,294.42	2,174.65	119.77	19.157	
3,200.00	3,188.41	3,144.10	3,188.41	0.00	123.76	-98.25	-2,271.83	73.60	2,295.73	2,171.98	123.75	18.551	
3,300.00	3,287.98	3,243.67	3,287.98	0.00	127.75	-98.48	-2,271.83	73.60	2,297.08	2,169.34	127.74	17.983	
3,400.00	3,387.56	3,343.25	3,387.56	0.00	131.73	-98.71	-2,271.83	73.60	2,298.46	2,166.74	131.72	17.450	
3,500.00	3,487.13	3,442.82	3,487.13	0.00	135.71	-98.93	-2,271.83	73.60	2,299.88	2,164.18	135.70	16.948	
3,600.00	3,586.70	3,542.39	3,586.70	0.00	139.70	-99.16	-2,271.83	73.60	2,301.33	2,161.65	139.68	16.476	
3,700.00	3,686.28	3,641.97	3,686.28	0.00	143.68	-99.38	-2,271.83	73.60	2,302.82	2,159.16	143.66	16.029	
3,800.00	3,785.85	3,741.54	3,785.85	0.00	147.66	-99.61	-2,271.83	73.60	2,304.35	2,156.71	147.64	15.607	
3,900.00	3,885.43	3,841.12	3,885.43	0.00	151.64	-99.83	-2,271.83	73.60	2,305.91	2,154.29	151.63	15.208	
4,000.00	3,985.00	3,940.69	3,985.00	0.00	155.63	-100.06	-2,271.83	73.60	2,307.51	2,151.90	155.61	14.829	
4,100.00	4,084.58	4,040.27	4,084.58	0.00	159.61	-100.28	-2,271.83	73.60	2,309.15	2,149.56	159.59	14.469	
4,200.00	4,184.15	4,139.84	4,184.15	0.00	163.59	-100.51	-2,271.83	73.60	2,310.82	2,147.25	163.57	14.127	
4,300.00	4,283.72	4,239.41	4,283.72	0.00	167.58	-100.73	-2,271.83	73.60	2,312.52	2,144.97	167.55	13.802	
4,400.00	4,383.30	4,338.99	4,383.30	0.00	171.56	-100.95	-2,271.83	73.60	2,314.26	2,142.73	171.53	13.492	
4,500.00	4,482.87	4,438.56	4,482.87	0.00	175.54	-101.18	-2,271.83	73.60	2,316.04	2,140.52	175.51	13.196	
4,600.00	4,582.45	4,538.14	4,582.45	0.00	179.53	-101.40	-2,271.83	73.60	2,317.85	2,138.35	179.50	12.913	
4,700.00	4,682.02	4,637.71	4,682.02	0.00	183.51	-101.62	-2,271.83	73.60	2,319.70	2,136.22	183.48	12.643	
4,800.00	4,781.60	4,737.29	4,781.60	0.00	187.49	-101.84	-2,271.83	73.60	2,321.58	2,134.12	187.46	12.385	
4,900.00	4,881.17	4,836.86	4,881.17	0.00	191.47	-102.06	-2,271.83	73.60	2,323.49	2,132.06	191.44	12.137	
5,000.00	4,980.74	4,936.43	4,980.74	0.00	195.46	-102.28	-2,271.83	73.60	2,325.45	2,130.03	195.42	11.900	
5,100.00	5,080.32	5,036.01	5,080.32	0.00	199.44	-102.51	-2,271.83	73.60	2,327.43	2,128.03	199.40	11.672	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,135.58	5,179.89	0.00	203.42	-102.73	-2,271.83	73.60	2,329.45	2,126.07	203.38	11.454	
5,300.00	5,279.47	5,235.16	5,279.47	0.00	207.41	-102.95	-2,271.83	73.60	2,331.51	2,124.15	207.36	11.244	
5,400.00	5,379.04	5,334.73	5,379.04	0.00	211.39	-103.17	-2,271.83	73.60	2,333.60	2,122.26	211.34	11.042	
5,500.00	5,478.62	5,434.31	5,478.62	0.00	215.37	-103.38	-2,271.83	73.60	2,335.72	2,120.40	215.32	10.848	
5,600.00	5,578.19	5,533.88	5,578.19	0.00	219.36	-103.60	-2,271.83	73.60	2,337.88	2,118.58	219.30	10.660	
5,700.00	5,677.77	5,633.46	5,677.77	0.00	223.34	-103.82	-2,271.83	73.60	2,340.08	2,116.79	223.28	10.480	
5,800.00	5,777.34	5,733.03	5,777.34	0.00	227.32	-104.04	-2,271.83	73.60	2,342.31	2,115.04	227.26	10.307	
5,900.00	5,876.91	5,832.60	5,876.91	0.00	231.30	-104.26	-2,271.83	73.60	2,344.57	2,113.32	231.24	10.139	
6,000.00	5,976.49	5,932.18	5,976.49	0.00	235.29	-104.48	-2,271.83	73.60	2,346.86	2,111.64	235.22	9.977	
6,100.00	6,076.06	6,031.75	6,076.06	0.00	239.27	-104.69	-2,271.83	73.60	2,349.19	2,109.99	239.20	9.821	
6,200.00	6,175.64	6,131.33	6,175.64	0.00	243.25	-104.91	-2,271.83	73.60	2,351.56	2,108.37	243.18	9.670	
6,300.00	6,275.24	6,230.93	6,275.24	0.00	247.24	-105.13	-2,271.83	73.60	2,353.88	2,106.70	247.19	9.523	
6,400.00	6,375.13	6,330.82	6,375.13	0.00	251.23	75.31	-2,271.83	73.60	2,354.59	2,103.37	251.22	9.373	
6,500.00	6,474.53	6,430.22	6,474.53	0.00	255.21	75.47	-2,271.83	73.60	2,351.95	2,096.97	254.98	9.224	
6,600.00	6,571.72	6,527.41	6,571.72	0.00	259.10	76.39	-2,271.83	73.60	2,346.15	2,087.68	258.47	9.077	
6,700.00	6,665.06	6,620.75	6,665.06	0.00	262.83	77.80	-2,271.83	73.60	2,337.63	2,075.82	261.80	8.929	
6,800.00	6,752.94	6,708.63	6,752.94	0.00	266.35	79.58	-2,271.83	73.60	2,327.07	2,061.96	265.11	8.778	
6,900.00	6,833.85	6,789.54	6,833.85	0.00	269.58	81.61	-2,271.83	73.60	2,315.33	2,046.92	268.41	8.626	
7,000.00	6,906.42	6,862.11	6,906.42	0.00	272.48	83.74	-2,271.83	73.60	2,303.39	2,031.78	271.61	8.480	
7,100.00	6,969.40	6,925.09	6,969.40	0.00	275.00	85.79	-2,271.83	73.60	2,292.31	2,017.80	274.51	8.351	
7,200.00	7,021.72	6,977.41	7,021.72	0.00	277.10	87.60	-2,271.83	73.60	2,283.11	2,006.21	276.91	8.245	
7,300.00	7,062.47	7,018.16	7,062.47	0.00	278.73	89.01	-2,271.83	73.60	2,276.75	1,998.06	278.69	8.169	
7,400.00	7,090.97	7,046.66	7,090.97	0.00	279.87	89.90	-2,271.83	73.60	2,274.00	1,994.13	279.87	8.125	
7,418.06	7,094.77	7,050.46	7,094.77	0.00	280.02	90.00	-2,271.83	73.60	2,273.93	1,993.91	280.02	8.121 ES	
7,500.00	7,106.72	7,062.41	7,106.72	0.00	280.50	90.19	-2,271.83	73.60	2,275.37	1,994.87	280.50	8.112 SF	
7,600.00	7,110.14	7,065.83	7,110.14	0.00	280.63	90.02	-2,271.83	73.60	2,281.11	2,000.47	280.63	8.128	
7,700.00	7,110.55	7,066.24	7,110.55	0.00	280.65	90.03	-2,271.83	73.60	2,291.20	2,010.55	280.65	8.164	
7,800.00	7,110.97	7,066.66	7,110.97	0.00	280.67	90.04	-2,271.83	73.60	2,305.60	2,024.93	280.67	8.215	
7,900.00	7,111.38	7,067.07	7,111.38	0.00	280.68	90.05	-2,271.83	73.60	2,324.21	2,043.52	280.68	8.281	
8,000.00	7,111.79	7,067.48	7,111.79	0.00	280.70	90.06	-2,271.83	73.60	2,346.93	2,066.23	280.70	8.361	
8,100.00	7,112.21	7,067.90	7,112.21	0.00	280.72	90.07	-2,271.83	73.60	2,373.66	2,092.94	280.72	8.456	
8,200.00	7,112.62	7,068.31	7,112.62	0.00	280.73	90.08	-2,271.83	73.60	2,404.25	2,123.52	280.73	8.564	
8,300.00	7,113.03	7,068.72	7,113.03	0.00	280.75	90.09	-2,271.83	73.60	2,438.56	2,157.81	280.75	8.686	
8,400.00	7,113.45	7,069.14	7,113.45	0.00	280.77	90.10	-2,271.83	73.60	2,476.44	2,195.67	280.77	8.820	
8,500.00	7,113.86	7,069.55	7,113.86	0.00	280.78	90.11	-2,271.83	73.60	2,517.72	2,236.94	280.78	8.967	
8,600.00	7,114.28	7,069.97	7,114.28	0.00	280.80	90.12	-2,271.83	73.60	2,562.24	2,281.44	280.80	9.125	
8,700.00	7,114.69	7,070.38	7,114.69	0.00	280.82	90.13	-2,271.83	73.60	2,609.83	2,329.02	280.81	9.294	
8,800.00	7,115.10	7,070.79	7,115.10	0.00	280.83	90.14	-2,271.83	73.60	2,660.33	2,379.50	280.83	9.473	
8,900.00	7,115.52	7,071.21	7,115.52	0.00	280.85	90.15	-2,271.83	73.60	2,713.58	2,432.74	280.85	9.662	
9,000.00	7,115.93	7,071.62	7,115.93	0.00	280.86	90.16	-2,271.83	73.60	2,769.42	2,488.56	280.86	9.860	
9,100.00	7,116.35	7,072.04	7,116.35	0.00	280.88	90.18	-2,271.83	73.60	2,827.69	2,546.81	280.88	10.067	
9,200.00	7,116.76	7,072.45	7,116.76	0.00	280.90	90.19	-2,271.83	73.60	2,888.25	2,607.36	280.90	10.282	
9,300.00	7,117.17	7,072.86	7,117.17	0.00	280.91	90.20	-2,271.83	73.60	2,950.96	2,670.05	280.91	10.505	
9,400.00	7,117.59	7,073.28	7,117.59	0.00	280.93	90.21	-2,271.83	73.60	3,015.68	2,734.75	280.93	10.735	
9,500.00	7,118.00	7,073.69	7,118.00	0.00	280.95	90.22	-2,271.83	73.60	3,082.28	2,801.34	280.95	10.971	
9,600.00	7,118.41	7,074.10	7,118.41	0.00	280.96	90.23	-2,271.83	73.60	3,150.65	2,869.69	280.96	11.214	
9,700.00	7,118.83	7,074.52	7,118.83	0.00	280.98	90.24	-2,271.83	73.60	3,220.68	2,939.70	280.98	11.462	
9,800.00	7,119.24	7,074.93	7,119.24	0.00	281.00	90.25	-2,271.83	73.60	3,292.25	3,011.26	280.99	11.716	
9,900.00	7,119.66	7,075.35	7,119.66	0.00	281.01	90.26	-2,271.83	73.60	3,365.28	3,084.27	281.01	11.976	
10,000.00	7,120.07	7,075.76	7,120.07	0.00	281.03	90.27	-2,271.83	73.60	3,439.66	3,158.63	281.03	12.240	
10,100.00	7,120.48	7,076.17	7,120.48	0.00	281.05	90.28	-2,271.83	73.60	3,515.31	3,234.27	281.04	12.508	
10,200.00	7,120.90	7,076.59	7,120.90	0.00	281.06	90.29	-2,271.83	73.60	3,592.15	3,311.09	281.06	12.781	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	7,077.00	7,121.31	0.00	281.08	90.30	-2,271.83	73.60	3,670.11	3,389.03	281.08	13.057	
10,400.00	7,121.73	7,077.42	7,121.73	0.00	281.10	90.31	-2,271.83	73.60	3,749.11	3,468.02	281.09	13.338	
10,500.00	7,122.14	7,077.83	7,122.14	0.00	281.11	90.32	-2,271.83	73.60	3,829.10	3,547.99	281.11	13.621	
10,600.00	7,122.55	7,078.24	7,122.55	0.00	281.13	90.33	-2,271.83	73.60	3,910.01	3,628.88	281.13	13.908	
10,700.00	7,122.97	7,078.66	7,122.97	0.00	281.15	90.34	-2,271.83	73.60	3,991.78	3,710.64	281.14	14.198	
10,800.00	7,123.38	7,079.07	7,123.38	0.00	281.16	90.35	-2,271.83	73.60	4,074.37	3,793.21	281.16	14.491	
10,900.00	7,123.79	7,079.48	7,123.79	0.00	281.18	90.36	-2,271.83	73.60	4,157.72	3,876.54	281.17	14.787	
11,000.00	7,124.21	7,079.90	7,124.21	0.00	281.20	90.37	-2,271.83	73.60	4,241.79	3,960.60	281.19	15.085	
11,100.00	7,124.62	7,080.31	7,124.62	0.00	281.21	90.38	-2,271.83	73.60	4,326.54	4,045.33	281.21	15.386	
11,200.00	7,125.04	7,080.73	7,125.04	0.00	281.23	90.39	-2,271.83	73.60	4,411.92	4,130.70	281.22	15.688	
11,300.00	7,125.45	7,081.14	7,125.45	0.00	281.25	90.40	-2,271.83	73.60	4,497.91	4,216.67	281.24	15.993	
11,400.00	7,125.86	7,081.55	7,125.86	0.00	281.26	90.42	-2,271.83	73.60	4,584.47	4,303.22	281.25	16.300	
11,500.00	7,126.28	7,081.97	7,126.28	0.00	281.28	90.43	-2,271.83	73.60	4,671.56	4,390.29	281.27	16.609	
11,600.00	7,126.69	7,082.38	7,126.69	0.00	281.30	90.44	-2,271.83	73.60	4,759.17	4,477.88	281.29	16.919	
11,700.00	7,127.11	7,082.80	7,127.11	0.00	281.31	90.45	-2,271.83	73.60	4,847.25	4,565.94	281.30	17.231	
11,800.00	7,127.52	7,083.21	7,127.52	0.00	281.33	90.46	-2,271.83	73.60	4,935.78	4,654.46	281.32	17.545	
11,900.00	7,127.93	7,083.62	7,127.93	0.00	281.34	90.47	-2,271.83	73.60	5,024.75	4,743.41	281.34	17.860	
12,000.00	7,128.35	7,084.04	7,128.35	0.00	281.36	90.48	-2,271.83	73.60	5,114.12	4,832.77	281.35	18.177	
12,100.00	7,128.76	7,084.45	7,128.76	0.00	281.38	90.49	-2,271.83	73.60	5,203.88	4,922.52	281.37	18.495	
12,200.00	7,129.18	7,084.87	7,129.18	0.00	281.39	90.50	-2,271.83	73.60	5,294.01	5,012.63	281.38	18.814	
12,300.00	7,129.59	7,085.28	7,129.59	0.00	281.41	90.51	-2,271.83	73.60	5,384.49	5,103.09	281.40	19.135	
12,400.00	7,130.00	7,085.69	7,130.00	0.00	281.43	90.52	-2,271.83	73.60	5,475.29	5,193.88	281.42	19.456	
12,500.00	7,130.42	7,086.11	7,130.42	0.00	281.44	90.53	-2,271.83	73.60	5,566.42	5,284.98	281.43	19.779	
12,600.00	7,130.83	7,086.52	7,130.83	0.00	281.46	90.54	-2,271.83	73.60	5,657.84	5,376.39	281.45	20.103	
12,700.00	7,131.24	7,086.93	7,131.24	0.00	281.48	90.55	-2,271.83	73.60	5,749.55	5,468.08	281.46	20.427	
12,800.00	7,131.66	7,087.35	7,131.66	0.00	281.49	90.56	-2,271.83	73.60	5,841.53	5,560.04	281.48	20.753	
12,900.00	7,132.07	7,087.76	7,132.07	0.00	281.51	90.57	-2,271.83	73.60	5,933.76	5,652.27	281.50	21.079	
13,000.00	7,132.49	7,088.18	7,132.49	0.00	281.53	90.58	-2,271.83	73.60	6,026.25	5,744.74	281.51	21.407	
13,100.00	7,132.90	7,088.59	7,132.90	0.00	281.54	90.59	-2,271.83	73.60	6,118.97	5,837.45	281.53	21.735	
13,200.00	7,133.31	7,089.00	7,133.31	0.00	281.56	90.60	-2,271.83	73.60	6,211.92	5,930.38	281.54	22.064	
13,300.00	7,133.73	7,089.42	7,133.73	0.00	281.58	90.61	-2,271.83	73.60	6,305.09	6,023.53	281.56	22.393	
13,400.00	7,134.14	7,089.83	7,134.14	0.00	281.59	90.62	-2,271.83	73.60	6,398.46	6,116.88	281.58	22.724	
13,500.00	7,134.56	7,090.25	7,134.56	0.00	281.61	90.63	-2,271.83	73.60	6,492.03	6,210.43	281.59	23.055	
13,600.00	7,134.97	7,090.66	7,134.97	0.00	281.63	90.64	-2,271.83	73.60	6,585.78	6,304.18	281.61	23.386	
13,700.00	7,135.38	7,091.07	7,135.38	0.00	281.64	90.65	-2,271.83	73.60	6,679.72	6,398.10	281.62	23.719	
13,800.00	7,135.80	7,091.49	7,135.80	0.00	281.66	90.67	-2,271.83	73.60	6,773.84	6,492.19	281.64	24.051	
13,900.00	7,136.21	7,091.90	7,136.21	0.00	281.68	90.68	-2,271.83	73.60	6,868.11	6,586.46	281.66	24.385	
14,000.00	7,136.62	7,092.31	7,136.62	0.00	281.69	90.69	-2,271.83	73.60	6,962.55	6,680.88	281.67	24.719	
14,100.00	7,137.04	7,092.73	7,137.04	0.00	281.71	90.70	-2,271.83	73.60	7,057.14	6,775.45	281.69	25.053	
14,200.00	7,137.45	7,093.14	7,137.45	0.00	281.73	90.71	-2,271.83	73.60	7,151.88	6,870.18	281.70	25.388	
14,300.00	7,137.87	7,093.56	7,137.87	0.00	281.74	90.72	-2,271.83	73.60	7,246.76	6,965.04	281.72	25.723	
14,400.00	7,138.28	7,093.97	7,138.28	0.00	281.76	90.73	-2,271.83	73.60	7,341.78	7,060.04	281.74	26.059	
14,500.00	7,138.69	7,094.38	7,138.69	0.00	281.78	90.74	-2,271.83	73.60	7,436.92	7,155.17	281.75	26.395	
14,600.00	7,139.11	7,094.80	7,139.11	0.00	281.79	90.75	-2,271.83	73.60	7,532.19	7,250.43	281.77	26.732	
14,700.00	7,139.52	7,095.21	7,139.52	0.00	281.81	90.76	-2,271.83	73.60	7,627.59	7,345.80	281.78	27.069	
14,800.00	7,139.94	7,095.63	7,139.94	0.00	281.83	90.77	-2,271.83	73.60	7,723.10	7,441.30	281.80	27.406	
14,900.00	7,140.35	7,096.04	7,140.35	0.00	281.84	90.78	-2,271.83	73.60	7,818.72	7,536.90	281.82	27.744	
15,000.00	7,140.76	7,096.45	7,140.76	0.00	281.86	90.79	-2,271.83	73.60	7,914.45	7,632.62	281.83	28.082	
15,100.00	7,141.18	7,096.87	7,141.18	0.00	281.87	90.80	-2,271.83	73.60	8,010.28	7,728.44	281.85	28.421	
15,200.00	7,141.59	7,097.28	7,141.59	0.00	281.89	90.81	-2,271.83	73.60	8,106.22	7,824.36	281.86	28.759	
15,300.00	7,142.00	7,097.69	7,142.00	0.00	281.91	90.82	-2,271.83	73.60	8,202.25	7,920.37	281.88	29.098	
15,400.00	7,142.42	7,098.11	7,142.42	0.00	281.92	90.83	-2,271.83	73.60	8,298.38	8,016.48	281.89	29.438	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,098.52	7,142.83	0.00	281.94	90.84	-2,271.83	73.60	8,394.59	8,112.68	281.91	29.777	
15,600.00	7,143.25	7,098.94	7,143.25	0.00	281.96	90.85	-2,271.83	73.60	8,490.90	8,208.97	281.93	30.117	
15,700.00	7,143.66	7,099.35	7,143.66	0.00	281.97	90.86	-2,271.83	73.60	8,587.28	8,305.34	281.94	30.458	
15,800.00	7,144.07	7,099.76	7,144.07	0.00	281.99	90.87	-2,271.83	73.60	8,683.75	8,401.80	281.96	30.798	
15,900.00	7,144.49	7,100.18	7,144.49	0.00	282.01	90.88	-2,271.83	73.60	8,780.30	8,498.33	281.97	31.139	
16,000.00	7,144.90	7,100.59	7,144.90	0.00	282.02	90.89	-2,271.83	73.60	8,876.93	8,594.94	281.99	31.480	
16,100.00	7,145.32	7,101.01	7,145.32	0.00	282.04	90.91	-2,271.83	73.60	8,973.63	8,691.62	282.01	31.821	
16,200.00	7,145.73	7,101.42	7,145.73	0.00	282.06	90.92	-2,271.83	73.60	9,070.40	8,788.38	282.02	32.162	
16,300.00	7,146.14	7,101.83	7,146.14	0.00	282.07	90.93	-2,271.83	73.60	9,167.24	8,885.20	282.04	32.504	
16,400.00	7,146.56	7,102.25	7,146.56	0.00	282.09	90.94	-2,271.83	73.60	9,264.15	8,982.09	282.05	32.845	
16,500.00	7,146.97	7,102.66	7,146.97	0.00	282.11	90.95	-2,271.83	73.60	9,361.12	9,079.05	282.07	33.187	
16,600.00	7,147.38	7,103.07	7,147.38	0.00	282.12	90.96	-2,271.83	73.60	9,458.15	9,176.07	282.08	33.530	
16,700.00	7,147.80	7,103.49	7,147.80	0.00	282.14	90.97	-2,271.83	73.60	9,555.25	9,273.15	282.10	33.872	
16,800.00	7,148.21	7,103.90	7,148.21	0.00	282.16	90.98	-2,271.83	73.60	9,652.40	9,370.29	282.12	34.214	
16,900.00	7,148.63	7,104.32	7,148.63	0.00	282.17	90.99	-2,271.83	73.60	9,749.62	9,467.49	282.13	34.557	
17,000.00	7,149.04	7,104.73	7,149.04	0.00	282.19	91.00	-2,271.83	73.60	9,846.89	9,564.74	282.15	34.900	
17,100.00	7,149.45	7,105.14	7,149.45	0.00	282.21	91.01	-2,271.83	73.60	9,944.21	9,662.05	282.16	35.243	
17,200.00	7,149.87	7,105.56	7,149.87	0.00	282.22	91.02	-2,271.83	73.60	10,041.59	9,759.41	282.18	35.586	
17,232.03	7,150.00	7,105.69	7,150.00	0.00	282.23	91.02	-2,271.83	73.60	10,072.79	9,790.61	282.18	35.696	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.97	0.00	0.00	0.06	50.69	2,898.93	3,540.44	4,575.86				
100.00	100.00	102.97	100.00	0.00	2.12	50.69	2,898.93	3,540.44	4,575.86	4,573.74	2.12	2,159.444	
200.00	200.00	202.97	200.00	0.00	6.12	50.69	2,898.93	3,540.44	4,575.86	4,569.74	6.12	747.812	
300.00	300.00	302.97	300.00	0.00	10.12	50.69	2,898.93	3,540.44	4,575.86	4,565.74	10.12	452.205	
400.00	399.98	402.95	399.98	0.00	14.12	140.63	2,898.93	3,540.44	4,577.21	4,563.10	14.11	324.325	
500.00	499.84	502.81	499.84	0.00	18.11	140.62	2,898.93	3,540.44	4,581.26	4,563.17	18.09	253.302	
600.00	599.47	602.44	599.47	0.00	22.10	140.64	2,898.93	3,540.44	4,587.84	4,565.79	22.04	208.143	
700.00	699.05	702.02	699.05	0.00	26.08	140.71	2,898.93	3,540.44	4,594.98	4,568.96	26.01	176.632	
800.00	798.62	801.59	798.62	0.00	30.06	140.78	2,898.93	3,540.44	4,602.13	4,572.14	29.99	153.470	
900.00	898.20	901.17	898.20	0.00	34.05	140.85	2,898.93	3,540.44	4,609.28	4,575.32	33.96	135.728	
1,000.00	997.77	1,000.74	997.77	0.00	38.03	140.93	2,898.93	3,540.44	4,616.45	4,578.51	37.93	121.702	
1,100.00	1,097.35	1,100.32	1,097.35	0.00	42.01	141.00	2,898.93	3,540.44	4,623.62	4,581.71	41.90	110.336	
1,200.00	1,196.92	1,199.89	1,196.92	0.00	46.00	141.07	2,898.93	3,540.44	4,630.80	4,584.92	45.88	100.938	
1,300.00	1,296.49	1,299.46	1,296.49	0.00	49.98	141.14	2,898.93	3,540.44	4,637.98	4,588.13	49.85	93.039	
1,400.00	1,396.07	1,399.04	1,396.07	0.00	53.96	141.21	2,898.93	3,540.44	4,645.17	4,591.35	53.82	86.306	
1,500.00	1,495.64	1,498.61	1,495.64	0.00	57.94	141.28	2,898.93	3,540.44	4,652.37	4,594.58	57.79	80.498	
1,600.00	1,595.22	1,598.19	1,595.22	0.00	61.93	141.35	2,898.93	3,540.44	4,659.58	4,597.81	61.77	75.438	
1,700.00	1,694.79	1,697.76	1,694.79	0.00	65.91	141.42	2,898.93	3,540.44	4,666.79	4,601.06	65.74	70.989	
1,800.00	1,794.37	1,797.34	1,794.37	0.00	69.89	141.50	2,898.93	3,540.44	4,674.02	4,604.30	69.71	67.048	
1,900.00	1,893.94	1,896.91	1,893.94	0.00	73.88	141.57	2,898.93	3,540.44	4,681.24	4,607.56	73.68	63.532	
2,000.00	1,993.51	1,996.48	1,993.51	0.00	77.86	141.64	2,898.93	3,540.44	4,688.48	4,610.82	77.66	60.375	
2,100.00	2,093.09	2,096.06	2,093.09	0.00	81.84	141.70	2,898.93	3,540.44	4,695.72	4,614.09	81.63	57.526	
2,200.00	2,192.66	2,195.63	2,192.66	0.00	85.83	141.77	2,898.93	3,540.44	4,702.97	4,617.37	85.60	54.941	
2,300.00	2,292.24	2,295.21	2,292.24	0.00	89.81	141.84	2,898.93	3,540.44	4,710.23	4,620.65	89.57	52.586	
2,400.00	2,391.81	2,394.78	2,391.81	0.00	93.79	141.91	2,898.93	3,540.44	4,717.49	4,623.94	93.54	50.430	
2,500.00	2,491.39	2,494.36	2,491.39	0.00	97.77	141.98	2,898.93	3,540.44	4,724.76	4,627.24	97.52	48.451	
2,600.00	2,590.96	2,593.93	2,590.96	0.00	101.76	142.05	2,898.93	3,540.44	4,732.03	4,630.55	101.49	46.626	
2,700.00	2,690.53	2,693.50	2,690.53	0.00	105.74	142.12	2,898.93	3,540.44	4,739.32	4,633.86	105.46	44.939	
2,800.00	2,790.11	2,793.08	2,790.11	0.00	109.72	142.19	2,898.93	3,540.44	4,746.61	4,637.17	109.43	43.375	
2,900.00	2,889.68	2,892.65	2,889.68	0.00	113.71	142.25	2,898.93	3,540.44	4,753.90	4,640.50	113.40	41.920	
3,000.00	2,989.26	2,992.23	2,989.26	0.00	117.69	142.32	2,898.93	3,540.44	4,761.21	4,643.83	117.38	40.564	
3,100.00	3,088.83	3,091.80	3,088.83	0.00	121.67	142.39	2,898.93	3,540.44	4,768.52	4,647.17	121.35	39.296	
3,200.00	3,188.41	3,191.38	3,188.41	0.00	125.66	142.46	2,898.93	3,540.44	4,775.83	4,650.51	125.32	38.109	
3,300.00	3,287.98	3,290.95	3,287.98	0.00	129.64	142.52	2,898.93	3,540.44	4,783.15	4,653.86	129.29	36.995	
3,400.00	3,387.56	3,390.53	3,387.56	0.00	133.62	142.59	2,898.93	3,540.44	4,790.48	4,657.22	133.26	35.948	
3,500.00	3,487.13	3,490.10	3,487.13	0.00	137.60	142.66	2,898.93	3,540.44	4,797.82	4,660.59	137.23	34.961	
3,600.00	3,586.70	3,589.67	3,586.70	0.00	141.59	142.72	2,898.93	3,540.44	4,805.16	4,663.96	141.21	34.029	
3,700.00	3,686.28	3,689.25	3,686.28	0.00	145.57	142.79	2,898.93	3,540.44	4,812.51	4,667.33	145.18	33.149	
3,800.00	3,785.85	3,788.82	3,785.85	0.00	149.55	142.86	2,898.93	3,540.44	4,819.87	4,670.72	149.15	32.316	
3,900.00	3,885.43	3,888.40	3,885.43	0.00	153.54	142.92	2,898.93	3,540.44	4,827.23	4,674.11	153.12	31.526	
4,000.00	3,985.00	3,987.97	3,985.00	0.00	157.52	142.99	2,898.93	3,540.44	4,834.60	4,677.50	157.09	30.776	
4,100.00	4,084.58	4,087.55	4,084.58	0.00	161.50	143.05	2,898.93	3,540.44	4,841.97	4,680.91	161.06	30.063	
4,200.00	4,184.15	4,187.12	4,184.15	0.00	165.48	143.12	2,898.93	3,540.44	4,849.35	4,684.32	165.03	29.384	
4,300.00	4,283.72	4,286.69	4,283.72	0.00	169.47	143.19	2,898.93	3,540.44	4,856.74	4,687.73	169.01	28.737	
4,400.00	4,383.30	4,386.27	4,383.30	0.00	173.45	143.25	2,898.93	3,540.44	4,864.13	4,691.15	172.98	28.120	
4,500.00	4,482.87	4,485.84	4,482.87	0.00	177.43	143.31	2,898.93	3,540.44	4,871.53	4,694.58	176.95	27.531	
4,600.00	4,582.45	4,585.42	4,582.45	0.00	181.42	143.38	2,898.93	3,540.44	4,878.94	4,698.02	180.92	26.967	
4,700.00	4,682.02	4,684.99	4,682.02	0.00	185.40	143.44	2,898.93	3,540.44	4,886.35	4,701.46	184.89	26.428	
4,800.00	4,781.60	4,784.57	4,781.60	0.00	189.38	143.51	2,898.93	3,540.44	4,893.76	4,704.90	188.86	25.912	
4,900.00	4,881.17	4,884.14	4,881.17	0.00	193.37	143.57	2,898.93	3,540.44	4,901.19	4,708.36	192.83	25.417	
5,000.00	4,980.74	4,983.71	4,980.74	0.00	197.35	143.64	2,898.93	3,540.44	4,908.62	4,711.81	196.80	24.942	
5,100.00	5,080.32	5,083.29	5,080.32	0.00	201.33	143.70	2,898.93	3,540.44	4,916.05	4,715.28	200.78	24.485	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,182.86	5,179.89	0.00	205.31	143.76	2,898.93	3,540.44	4,923.50	4,718.75	204.75	24.047	
5,300.00	5,279.47	5,282.44	5,279.47	0.00	209.30	143.83	2,898.93	3,540.44	4,930.95	4,722.23	208.72	23.625	
5,400.00	5,379.04	5,382.01	5,379.04	0.00	213.28	143.89	2,898.93	3,540.44	4,938.40	4,725.71	212.69	23.219	
5,500.00	5,478.62	5,481.59	5,478.62	0.00	217.26	143.95	2,898.93	3,540.44	4,945.86	4,729.20	216.66	22.828	
5,600.00	5,578.19	5,581.16	5,578.19	0.00	221.25	144.01	2,898.93	3,540.44	4,953.32	4,732.69	220.63	22.451	
5,700.00	5,677.77	5,680.74	5,677.77	0.00	225.23	144.08	2,898.93	3,540.44	4,960.80	4,736.20	224.60	22.087	
5,800.00	5,777.34	5,780.31	5,777.34	0.00	229.21	144.14	2,898.93	3,540.44	4,968.27	4,739.70	228.57	21.736	
5,900.00	5,876.91	5,879.88	5,876.91	0.00	233.20	144.20	2,898.93	3,540.44	4,975.76	4,743.21	232.54	21.397	
6,000.00	5,976.49	5,979.46	5,976.49	0.00	237.18	144.26	2,898.93	3,540.44	4,983.25	4,746.73	236.51	21.070	
6,100.00	6,076.06	6,079.03	6,076.06	0.00	241.16	144.32	2,898.93	3,540.44	4,990.74	4,750.26	240.48	20.753	
6,200.00	6,175.64	6,178.61	6,175.64	0.00	245.14	144.39	2,898.93	3,540.44	4,998.24	4,753.79	244.46	20.446	
6,300.00	6,275.24	6,278.21	6,275.24	0.00	249.13	144.48	2,898.93	3,540.44	5,005.53	4,756.91	248.62	20.133	
6,400.00	6,375.13	6,378.10	6,375.13	0.00	253.12	-34.90	2,898.93	3,540.44	5,007.66	4,754.66	253.00	19.793	
6,500.00	6,474.53	6,477.50	6,474.53	0.00	257.10	-35.61	2,898.93	3,540.44	4,999.22	4,744.53	254.69	19.629	
6,600.00	6,571.72	6,574.69	6,571.72	0.00	260.99	-36.66	2,898.93	3,540.44	4,980.28	4,726.73	253.55	19.642	
6,700.00	6,665.06	6,668.03	6,665.06	0.00	264.72	-38.30	2,898.93	3,540.44	4,951.24	4,701.13	250.11	19.796	
6,800.00	6,752.94	6,755.91	6,752.94	0.00	268.24	-40.64	2,898.93	3,540.44	4,912.67	4,667.31	245.36	20.022	
6,900.00	6,833.85	6,836.82	6,833.85	0.00	271.47	-43.78	2,898.93	3,540.44	4,865.35	4,624.44	240.91	20.196	
7,000.00	6,906.42	6,909.39	6,906.42	0.00	274.38	-47.85	2,898.93	3,540.44	4,810.24	4,571.41	238.83	20.141	
7,100.00	6,969.40	6,972.37	6,969.40	0.00	276.89	-52.97	2,898.93	3,540.44	4,748.43	4,507.27	241.16	19.690	
7,200.00	7,021.72	7,024.69	7,021.72	0.00	278.99	-59.24	2,898.93	3,540.44	4,681.14	4,432.32	248.82	18.814	
7,300.00	7,062.47	7,065.44	7,062.47	0.00	280.62	-66.64	2,898.93	3,540.44	4,609.68	4,349.18	260.50	17.695	
7,400.00	7,090.97	7,093.94	7,090.97	0.00	281.76	-74.97	2,898.93	3,540.44	4,535.44	4,262.84	272.60	16.638	
7,500.00	7,106.72	7,109.69	7,106.72	0.00	282.39	-83.78	2,898.93	3,540.44	4,459.81	4,179.07	280.74	15.886	
7,600.00	7,110.14	7,113.11	7,110.14	0.00	282.52	-89.73	2,898.93	3,540.44	4,384.18	4,101.66	282.52	15.518	
7,700.00	7,110.55	7,113.52	7,110.55	0.00	282.54	-89.74	2,898.93	3,540.44	4,309.47	4,026.93	282.54	15.253	
7,800.00	7,110.97	7,113.94	7,110.97	0.00	282.56	-89.75	2,898.93	3,540.44	4,235.80	3,953.24	282.55	14.991	
7,900.00	7,111.38	7,114.35	7,111.38	0.00	282.57	-89.75	2,898.93	3,540.44	4,163.23	3,880.66	282.57	14.733	
8,000.00	7,111.79	7,114.76	7,111.79	0.00	282.59	-89.76	2,898.93	3,540.44	4,091.81	3,809.22	282.59	14.480	
8,100.00	7,112.21	7,115.18	7,112.21	0.00	282.61	-89.77	2,898.93	3,540.44	4,021.62	3,739.01	282.61	14.231	
8,200.00	7,112.62	7,115.59	7,112.62	0.00	282.62	-89.78	2,898.93	3,540.44	3,952.70	3,670.08	282.62	13.986	
8,300.00	7,113.03	7,116.00	7,113.03	0.00	282.64	-89.79	2,898.93	3,540.44	3,885.14	3,602.50	282.64	13.746	
8,400.00	7,113.45	7,116.42	7,113.45	0.00	282.66	-89.79	2,898.93	3,540.44	3,819.00	3,536.35	282.66	13.511	
8,500.00	7,113.86	7,116.83	7,113.86	0.00	282.67	-89.80	2,898.93	3,540.44	3,754.36	3,471.69	282.67	13.282	
8,600.00	7,114.28	7,117.25	7,114.28	0.00	282.69	-89.81	2,898.93	3,540.44	3,691.30	3,408.61	282.69	13.058	
8,700.00	7,114.69	7,117.66	7,114.69	0.00	282.71	-89.82	2,898.93	3,540.44	3,629.90	3,347.19	282.71	12.840	
8,800.00	7,115.10	7,118.07	7,115.10	0.00	282.72	-89.83	2,898.93	3,540.44	3,570.24	3,287.52	282.72	12.628	
8,900.00	7,115.52	7,118.49	7,115.52	0.00	282.74	-89.84	2,898.93	3,540.44	3,512.42	3,229.68	282.74	12.423	
9,000.00	7,115.93	7,118.90	7,115.93	0.00	282.76	-89.84	2,898.93	3,540.44	3,456.52	3,173.77	282.76	12.224	
9,100.00	7,116.35	7,119.32	7,116.35	0.00	282.77	-89.85	2,898.93	3,540.44	3,402.65	3,119.87	282.77	12.033	
9,200.00	7,116.76	7,119.73	7,116.76	0.00	282.79	-89.86	2,898.93	3,540.44	3,350.89	3,068.10	282.79	11.849	
9,300.00	7,117.17	7,120.14	7,117.17	0.00	282.81	-89.87	2,898.93	3,540.44	3,301.35	3,018.55	282.81	11.674	
9,400.00	7,117.59	7,120.56	7,117.59	0.00	282.82	-89.88	2,898.93	3,540.44	3,254.13	2,971.31	282.82	11.506	
9,500.00	7,118.00	7,120.97	7,118.00	0.00	282.84	-89.89	2,898.93	3,540.44	3,209.34	2,926.50	282.84	11.347	
9,600.00	7,118.41	7,121.38	7,118.41	0.00	282.86	-89.89	2,898.93	3,540.44	3,167.06	2,884.21	282.86	11.197	
9,700.00	7,118.83	7,121.80	7,118.83	0.00	282.87	-89.90	2,898.93	3,540.44	3,127.42	2,844.55	282.87	11.056	
9,800.00	7,119.24	7,122.21	7,119.24	0.00	282.89	-89.91	2,898.93	3,540.44	3,090.50	2,807.62	282.89	10.925	
9,900.00	7,119.66	7,122.63	7,119.66	0.00	282.91	-89.92	2,898.93	3,540.44	3,056.41	2,773.51	282.90	10.804	
10,000.00	7,120.07	7,123.04	7,120.07	0.00	282.92	-89.93	2,898.93	3,540.44	3,025.25	2,742.33	282.92	10.693	
10,100.00	7,120.48	7,123.45	7,120.48	0.00	282.94	-89.93	2,898.93	3,540.44	2,997.10	2,714.16	282.94	10.593	
10,200.00	7,120.90	7,123.87	7,120.90	0.00	282.95	-89.94	2,898.93	3,540.44	2,972.04	2,689.09	282.95	10.504	
10,300.00	7,121.31	7,124.28	7,121.31	0.00	282.97	-89.95	2,898.93	3,540.44	2,950.17	2,667.20	282.97	10.426	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	7,124.70	7,121.73	0.00	282.99	-89.96	2,898.93	3,540.44	2,931.54	2,648.56	282.99	10.359	
10,500.00	7,122.14	7,125.11	7,122.14	0.00	283.00	-89.97	2,898.93	3,540.44	2,916.23	2,633.23	283.00	10.305	
10,600.00	7,122.55	7,125.52	7,122.55	0.00	283.02	-89.98	2,898.93	3,540.44	2,904.28	2,621.26	283.02	10.262	
10,700.00	7,122.97	7,125.94	7,122.97	0.00	283.04	-89.98	2,898.93	3,540.44	2,895.74	2,612.70	283.04	10.231	
10,800.00	7,123.38	7,126.35	7,123.38	0.00	283.05	-89.99	2,898.93	3,540.44	2,890.63	2,607.58	283.05	10.212	
10,897.73	7,123.79	7,126.76	7,123.79	0.00	283.07	-90.00	2,898.93	3,540.44	2,888.98	2,605.91	283.07	10.206	CC, ES
10,900.00	7,123.79	7,126.76	7,123.79	0.00	283.07	-90.00	2,898.93	3,540.44	2,888.98	2,605.91	283.07	10.206	SF
11,000.00	7,124.21	7,127.18	7,124.21	0.00	283.09	-90.01	2,898.93	3,540.44	2,890.79	2,607.70	283.09	10.212	
11,100.00	7,124.62	7,127.59	7,124.62	0.00	283.10	-90.02	2,898.93	3,540.44	2,896.05	2,612.95	283.10	10.230	
11,200.00	7,125.04	7,128.01	7,125.04	0.00	283.12	-90.02	2,898.93	3,540.44	2,904.75	2,621.63	283.12	10.260	
11,300.00	7,125.45	7,128.42	7,125.45	0.00	283.14	-90.03	2,898.93	3,540.44	2,916.85	2,633.72	283.14	10.302	
11,400.00	7,125.86	7,128.83	7,125.86	0.00	283.15	-90.04	2,898.93	3,540.44	2,932.32	2,649.16	283.15	10.356	
11,500.00	7,126.28	7,129.25	7,126.28	0.00	283.17	-90.05	2,898.93	3,540.44	2,951.09	2,667.92	283.17	10.422	
11,600.00	7,126.69	7,129.66	7,126.69	0.00	283.19	-90.06	2,898.93	3,540.44	2,973.11	2,689.92	283.19	10.499	
11,700.00	7,127.11	7,130.08	7,127.11	0.00	283.20	-90.07	2,898.93	3,540.44	2,998.31	2,715.10	283.20	10.587	
11,800.00	7,127.52	7,130.49	7,127.52	0.00	283.22	-90.07	2,898.93	3,540.44	3,026.60	2,743.38	283.22	10.686	
11,900.00	7,127.93	7,130.90	7,127.93	0.00	283.24	-90.08	2,898.93	3,540.44	3,057.90	2,774.66	283.24	10.796	
12,000.00	7,128.35	7,131.32	7,128.35	0.00	283.25	-90.09	2,898.93	3,540.44	3,092.12	2,808.86	283.25	10.916	
12,100.00	7,128.76	7,131.73	7,128.76	0.00	283.27	-90.10	2,898.93	3,540.44	3,129.16	2,845.89	283.27	11.047	
12,200.00	7,129.18	7,132.15	7,129.18	0.00	283.29	-90.11	2,898.93	3,540.44	3,168.93	2,885.64	283.29	11.186	
12,300.00	7,129.59	7,132.56	7,129.59	0.00	283.30	-90.12	2,898.93	3,540.44	3,211.31	2,928.01	283.30	11.335	
12,400.00	7,130.00	7,132.97	7,130.00	0.00	283.32	-90.12	2,898.93	3,540.44	3,256.22	2,972.90	283.32	11.493	
12,500.00	7,130.42	7,133.39	7,130.42	0.00	283.34	-90.13	2,898.93	3,540.44	3,303.55	3,020.21	283.33	11.660	
12,600.00	7,130.83	7,133.80	7,130.83	0.00	283.35	-90.14	2,898.93	3,540.44	3,353.19	3,069.84	283.35	11.834	
12,700.00	7,131.24	7,134.21	7,131.24	0.00	283.37	-90.15	2,898.93	3,540.44	3,405.04	3,121.68	283.37	12.016	
12,800.00	7,131.66	7,134.63	7,131.66	0.00	283.39	-90.16	2,898.93	3,540.44	3,459.01	3,175.63	283.38	12.206	
12,900.00	7,132.07	7,135.04	7,132.07	0.00	283.40	-90.16	2,898.93	3,540.44	3,515.00	3,231.60	283.40	12.403	
13,000.00	7,132.49	7,135.46	7,132.49	0.00	283.42	-90.17	2,898.93	3,540.44	3,572.91	3,289.49	283.42	12.607	
13,100.00	7,132.90	7,135.87	7,132.90	0.00	283.43	-90.18	2,898.93	3,540.44	3,632.65	3,349.21	283.43	12.817	
13,200.00	7,133.31	7,136.28	7,133.31	0.00	283.45	-90.19	2,898.93	3,540.44	3,694.13	3,410.68	283.45	13.033	
13,300.00	7,133.73	7,136.70	7,133.73	0.00	283.47	-90.20	2,898.93	3,540.44	3,757.26	3,473.79	283.47	13.255	
13,400.00	7,134.14	7,137.11	7,134.14	0.00	283.48	-90.21	2,898.93	3,540.44	3,821.97	3,538.49	283.48	13.482	
13,500.00	7,134.56	7,137.53	7,134.56	0.00	283.50	-90.21	2,898.93	3,540.44	3,888.17	3,604.67	283.50	13.715	
13,600.00	7,134.97	7,137.94	7,134.97	0.00	283.52	-90.22	2,898.93	3,540.44	3,955.80	3,672.28	283.52	13.953	
13,700.00	7,135.38	7,138.35	7,135.38	0.00	283.53	-90.23	2,898.93	3,540.44	4,024.77	3,741.24	283.53	14.195	
13,800.00	7,135.80	7,138.77	7,135.80	0.00	283.55	-90.24	2,898.93	3,540.44	4,095.02	3,811.48	283.55	14.442	
13,900.00	7,136.21	7,139.18	7,136.21	0.00	283.57	-90.25	2,898.93	3,540.44	4,166.49	3,882.93	283.56	14.693	
14,000.00	7,136.62	7,139.59	7,136.62	0.00	283.58	-90.25	2,898.93	3,540.44	4,239.12	3,955.54	283.58	14.949	
14,100.00	7,137.04	7,140.01	7,137.04	0.00	283.60	-90.26	2,898.93	3,540.44	4,312.84	4,029.24	283.60	15.208	
14,200.00	7,137.45	7,140.42	7,137.45	0.00	283.62	-90.27	2,898.93	3,540.44	4,387.60	4,103.98	283.61	15.470	
14,300.00	7,137.87	7,140.84	7,137.87	0.00	283.63	-90.28	2,898.93	3,540.44	4,463.34	4,179.71	283.63	15.736	
14,400.00	7,138.28	7,141.25	7,138.28	0.00	283.65	-90.29	2,898.93	3,540.44	4,540.03	4,256.38	283.65	16.006	
14,500.00	7,138.69	7,141.66	7,138.69	0.00	283.67	-90.30	2,898.93	3,540.44	4,617.61	4,333.95	283.66	16.279	
14,600.00	7,139.11	7,142.08	7,139.11	0.00	283.68	-90.30	2,898.93	3,540.44	4,696.04	4,412.36	283.68	16.554	
14,700.00	7,139.52	7,142.49	7,139.52	0.00	283.70	-90.31	2,898.93	3,540.44	4,775.27	4,491.57	283.70	16.832	
14,800.00	7,139.94	7,142.91	7,139.94	0.00	283.72	-90.32	2,898.93	3,540.44	4,855.27	4,571.56	283.71	17.113	
14,900.00	7,140.35	7,143.32	7,140.35	0.00	283.73	-90.33	2,898.93	3,540.44	4,936.00	4,652.27	283.73	17.397	
15,000.00	7,140.76	7,143.73	7,140.76	0.00	283.75	-90.34	2,898.93	3,540.44	5,017.42	4,733.68	283.74	17.683	
15,100.00	7,141.18	7,144.15	7,141.18	0.00	283.77	-90.34	2,898.93	3,540.44	5,099.51	4,815.75	283.76	17.971	
15,200.00	7,141.59	7,144.56	7,141.59	0.00	283.78	-90.35	2,898.93	3,540.44	5,182.22	4,898.44	283.78	18.262	
15,300.00	7,142.00	7,144.97	7,142.00	0.00	283.80	-90.36	2,898.93	3,540.44	5,265.53	4,981.74	283.79	18.554	
15,400.00	7,142.42	7,145.39	7,142.42	0.00	283.82	-90.37	2,898.93	3,540.44	5,349.42	5,065.61	283.81	18.849	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,145.80	7,142.83	0.00	283.83	-90.38	2,898.93	3,540.44	5,433.85	5,150.02	283.83	19.145	
15,600.00	7,143.25	7,146.22	7,143.25	0.00	283.85	-90.39	2,898.93	3,540.44	5,518.80	5,234.96	283.84	19.443	
15,700.00	7,143.66	7,146.63	7,143.66	0.00	283.87	-90.39	2,898.93	3,540.44	5,604.25	5,320.39	283.86	19.743	
15,800.00	7,144.07	7,147.04	7,144.07	0.00	283.88	-90.40	2,898.93	3,540.44	5,690.17	5,406.29	283.87	20.045	
15,900.00	7,144.49	7,147.46	7,144.49	0.00	283.90	-90.41	2,898.93	3,540.44	5,776.54	5,492.65	283.89	20.348	
16,000.00	7,144.90	7,147.87	7,144.90	0.00	283.91	-90.42	2,898.93	3,540.44	5,863.35	5,579.45	283.91	20.652	
16,100.00	7,145.32	7,148.29	7,145.32	0.00	283.93	-90.43	2,898.93	3,540.44	5,950.57	5,666.65	283.92	20.958	
16,200.00	7,145.73	7,148.70	7,145.73	0.00	283.95	-90.44	2,898.93	3,540.44	6,038.19	5,754.25	283.94	21.266	
16,300.00	7,146.14	7,149.11	7,146.14	0.00	283.96	-90.44	2,898.93	3,540.44	6,126.19	5,842.23	283.96	21.574	
16,400.00	7,146.56	7,149.53	7,146.56	0.00	283.98	-90.45	2,898.93	3,540.44	6,214.55	5,930.58	283.97	21.884	
16,500.00	7,146.97	7,149.94	7,146.97	0.00	284.00	-90.46	2,898.93	3,540.44	6,303.26	6,019.27	283.99	22.195	
16,600.00	7,147.38	7,150.35	7,147.38	0.00	284.01	-90.47	2,898.93	3,540.44	6,392.30	6,108.30	284.00	22.508	
16,700.00	7,147.80	7,150.77	7,147.80	0.00	284.03	-90.48	2,898.93	3,540.44	6,481.66	6,197.64	284.02	22.821	
16,800.00	7,148.21	7,151.18	7,148.21	0.00	284.05	-90.48	2,898.93	3,540.44	6,571.33	6,287.29	284.04	23.135	
16,900.00	7,148.63	7,151.60	7,148.63	0.00	284.06	-90.49	2,898.93	3,540.44	6,661.29	6,377.24	284.05	23.451	
17,000.00	7,149.04	7,152.01	7,149.04	0.00	284.08	-90.50	2,898.93	3,540.44	6,751.54	6,467.47	284.07	23.767	
17,100.00	7,149.45	7,152.42	7,149.45	0.00	284.10	-90.51	2,898.93	3,540.44	6,842.05	6,557.97	284.09	24.084	
17,200.00	7,149.87	7,152.84	7,149.87	0.00	284.11	-90.52	2,898.93	3,540.44	6,932.83	6,648.73	284.10	24.403	
17,232.03	7,150.00	7,152.97	7,150.00	0.00	284.12	-90.52	2,898.93	3,540.44	6,961.96	6,677.85	284.11	24.505	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	11.42	0.00	0.00	63.91	3,104.06	6,340.06	7,059.16				
100.00	100.00	88.58	100.00	0.00	1.77	63.91	3,104.06	6,340.06	7,059.15	7,057.37	1.77	3,984.115	
200.00	200.00	188.58	200.00	0.00	5.54	63.91	3,104.06	6,340.06	7,059.15	7,053.60	5.54	1,273.433	
300.00	300.00	288.58	300.00	0.00	9.54	63.91	3,104.06	6,340.06	7,059.15	7,049.60	9.54	739.689	
400.00	399.98	388.56	399.98	0.00	13.54	153.85	3,104.06	6,340.06	7,060.71	7,047.18	13.54	521.627	
500.00	499.84	488.42	499.84	0.00	17.54	153.83	3,104.06	6,340.06	7,065.41	7,047.91	17.50	403.680	
600.00	599.47	588.05	599.47	0.00	21.52	153.82	3,104.06	6,340.06	7,073.04	7,051.59	21.45	329.767	
700.00	699.05	687.63	699.05	0.00	25.51	153.85	3,104.06	6,340.06	7,081.32	7,055.90	25.42	278.596	
800.00	798.62	787.20	798.62	0.00	29.49	153.88	3,104.06	6,340.06	7,089.60	7,060.21	29.39	241.249	
900.00	898.20	886.78	898.20	0.00	33.47	153.92	3,104.06	6,340.06	7,097.88	7,064.53	33.36	212.789	
1,000.00	997.77	986.35	997.77	0.00	37.45	153.95	3,104.06	6,340.06	7,106.17	7,068.85	37.33	190.383	
1,100.00	1,097.35	1,085.93	1,097.35	0.00	41.44	153.98	3,104.06	6,340.06	7,114.46	7,073.16	41.29	172.285	
1,200.00	1,196.92	1,185.50	1,196.92	0.00	45.42	154.01	3,104.06	6,340.06	7,122.75	7,077.49	45.26	157.360	
1,300.00	1,296.49	1,285.07	1,296.49	0.00	49.40	154.05	3,104.06	6,340.06	7,131.04	7,081.81	49.23	144.842	
1,400.00	1,396.07	1,384.65	1,396.07	0.00	53.39	154.08	3,104.06	6,340.06	7,139.34	7,086.14	53.20	134.192	
1,500.00	1,495.64	1,484.22	1,495.64	0.00	57.37	154.11	3,104.06	6,340.06	7,147.63	7,090.46	57.17	125.021	
1,600.00	1,595.22	1,583.80	1,595.22	0.00	61.35	154.14	3,104.06	6,340.06	7,155.93	7,094.79	61.14	117.040	
1,700.00	1,694.79	1,683.37	1,694.79	0.00	65.33	154.17	3,104.06	6,340.06	7,164.24	7,099.13	65.11	110.033	
1,800.00	1,794.37	1,782.95	1,794.37	0.00	69.32	154.21	3,104.06	6,340.06	7,172.54	7,103.46	69.08	103.831	
1,900.00	1,893.94	1,882.52	1,893.94	0.00	73.30	154.24	3,104.06	6,340.06	7,180.85	7,107.80	73.05	98.303	
2,000.00	1,993.51	1,982.09	1,993.51	0.00	77.28	154.27	3,104.06	6,340.06	7,189.16	7,112.14	77.02	93.345	
2,100.00	2,093.09	2,081.67	2,093.09	0.00	81.27	154.30	3,104.06	6,340.06	7,197.47	7,116.48	80.99	88.873	
2,200.00	2,192.66	2,181.24	2,192.66	0.00	85.25	154.33	3,104.06	6,340.06	7,205.78	7,120.82	84.96	84.819	
2,300.00	2,292.24	2,280.82	2,292.24	0.00	89.23	154.37	3,104.06	6,340.06	7,214.09	7,125.17	88.92	81.126	
2,400.00	2,391.81	2,380.39	2,391.81	0.00	93.22	154.40	3,104.06	6,340.06	7,222.41	7,129.52	92.89	77.750	
2,500.00	2,491.39	2,479.97	2,491.39	0.00	97.20	154.43	3,104.06	6,340.06	7,230.73	7,133.87	96.86	74.650	
2,600.00	2,590.96	2,579.54	2,590.96	0.00	101.18	154.46	3,104.06	6,340.06	7,239.05	7,138.22	100.83	71.794	
2,700.00	2,690.53	2,679.11	2,690.53	0.00	105.16	154.49	3,104.06	6,340.06	7,247.38	7,142.58	104.80	69.154	
2,800.00	2,790.11	2,778.69	2,790.11	0.00	109.15	154.52	3,104.06	6,340.06	7,255.70	7,146.93	108.77	66.707	
2,900.00	2,889.68	2,878.26	2,889.68	0.00	113.13	154.55	3,104.06	6,340.06	7,264.03	7,151.29	112.74	64.433	
3,000.00	2,989.26	2,977.84	2,989.26	0.00	117.11	154.59	3,104.06	6,340.06	7,272.36	7,155.65	116.71	62.313	
3,100.00	3,088.83	3,077.41	3,088.83	0.00	121.10	154.62	3,104.06	6,340.06	7,280.69	7,160.02	120.68	60.333	
3,200.00	3,188.41	3,176.99	3,188.41	0.00	125.08	154.65	3,104.06	6,340.06	7,289.03	7,164.38	124.65	58.478	
3,300.00	3,287.98	3,276.56	3,287.98	0.00	129.06	154.68	3,104.06	6,340.06	7,297.36	7,168.75	128.61	56.739	
3,400.00	3,387.56	3,376.14	3,387.56	0.00	133.05	154.71	3,104.06	6,340.06	7,305.70	7,173.12	132.58	55.103	
3,500.00	3,487.13	3,475.71	3,487.13	0.00	137.03	154.74	3,104.06	6,340.06	7,314.04	7,177.49	136.55	53.562	
3,600.00	3,586.70	3,575.28	3,586.70	0.00	141.01	154.77	3,104.06	6,340.06	7,322.39	7,181.87	140.52	52.109	
3,700.00	3,686.28	3,674.86	3,686.28	0.00	144.99	154.80	3,104.06	6,340.06	7,330.73	7,186.24	144.49	50.735	
3,800.00	3,785.85	3,774.43	3,785.85	0.00	148.98	154.83	3,104.06	6,340.06	7,339.08	7,190.62	148.46	49.435	
3,900.00	3,885.43	3,874.01	3,885.43	0.00	152.96	154.86	3,104.06	6,340.06	7,347.43	7,195.00	152.43	48.203	
4,000.00	3,985.00	3,973.58	3,985.00	0.00	156.94	154.89	3,104.06	6,340.06	7,355.78	7,199.38	156.40	47.033	
4,100.00	4,084.58	4,073.16	4,084.58	0.00	160.93	154.92	3,104.06	6,340.06	7,364.13	7,203.77	160.36	45.921	
4,200.00	4,184.15	4,172.73	4,184.15	0.00	164.91	154.95	3,104.06	6,340.06	7,372.49	7,208.16	164.33	44.863	
4,300.00	4,283.72	4,272.30	4,283.72	0.00	168.89	154.98	3,104.06	6,340.06	7,380.85	7,212.54	168.30	43.855	
4,400.00	4,383.30	4,371.88	4,383.30	0.00	172.88	155.01	3,104.06	6,340.06	7,389.21	7,216.93	172.27	42.893	
4,500.00	4,482.87	4,471.45	4,482.87	0.00	176.86	155.04	3,104.06	6,340.06	7,397.57	7,221.33	176.24	41.974	
4,600.00	4,582.45	4,571.03	4,582.45	0.00	180.84	155.07	3,104.06	6,340.06	7,405.93	7,225.72	180.21	41.096	
4,700.00	4,682.02	4,670.60	4,682.02	0.00	184.82	155.10	3,104.06	6,340.06	7,414.30	7,230.12	184.18	40.256	
4,800.00	4,781.60	4,770.18	4,781.60	0.00	188.81	155.13	3,104.06	6,340.06	7,422.66	7,234.52	188.15	39.452	
4,900.00	4,881.17	4,869.75	4,881.17	0.00	192.79	155.16	3,104.06	6,340.06	7,431.03	7,238.92	192.11	38.680	
5,000.00	4,980.74	4,969.32	4,980.74	0.00	196.77	155.19	3,104.06	6,340.06	7,439.41	7,243.32	196.08	37.940	
5,100.00	5,080.32	5,068.90	5,080.32	0.00	200.76	155.22	3,104.06	6,340.06	7,447.78	7,247.73	200.05	37.229	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,168.47	5,179.89	0.00	204.74	155.25	3,104.06	6,340.06	7,456.15	7,252.13	204.02	36.546	
5,300.00	5,279.47	5,268.05	5,279.47	0.00	208.72	155.28	3,104.06	6,340.06	7,464.53	7,256.54	207.99	35.889	
5,400.00	5,379.04	5,367.62	5,379.04	0.00	212.70	155.31	3,104.06	6,340.06	7,472.91	7,260.95	211.96	35.257	
5,500.00	5,478.62	5,467.20	5,478.62	0.00	216.69	155.34	3,104.06	6,340.06	7,481.29	7,265.37	215.93	34.647	
5,600.00	5,578.19	5,566.77	5,578.19	0.00	220.67	155.37	3,104.06	6,340.06	7,489.68	7,269.78	219.90	34.060	
5,700.00	5,677.77	5,666.35	5,677.77	0.00	224.65	155.40	3,104.06	6,340.06	7,498.06	7,274.20	223.86	33.494	
5,800.00	5,777.34	5,765.92	5,777.34	0.00	228.64	155.43	3,104.06	6,340.06	7,506.45	7,278.62	227.83	32.947	
5,900.00	5,876.91	5,865.49	5,876.91	0.00	232.62	155.46	3,104.06	6,340.06	7,514.84	7,283.04	231.80	32.419	
6,000.00	5,976.49	5,965.07	5,976.49	0.00	236.60	155.49	3,104.06	6,340.06	7,523.23	7,287.46	235.77	31.909	
6,100.00	6,076.06	6,064.64	6,076.06	0.00	240.59	155.52	3,104.06	6,340.06	7,531.62	7,291.89	239.74	31.416	
6,200.00	6,175.64	6,164.22	6,175.64	0.00	244.57	155.55	3,104.06	6,340.06	7,540.02	7,296.31	243.71	30.939	
6,300.00	6,275.24	6,263.82	6,275.24	0.00	248.55	155.60	3,104.06	6,340.06	7,548.17	7,300.25	247.92	30.446	
6,400.00	6,375.13	6,363.71	6,375.13	0.00	252.55	-23.80	3,104.06	6,340.06	7,550.56	7,298.17	252.40	29.916	
6,500.00	6,474.53	6,463.11	6,474.53	0.00	256.52	-24.40	3,104.06	6,340.06	7,541.13	7,287.63	253.50	29.748	
6,600.00	6,571.72	6,560.30	6,571.72	0.00	260.41	-25.19	3,104.06	6,340.06	7,519.95	7,269.01	250.94	29.967	
6,700.00	6,665.06	6,653.64	6,665.06	0.00	264.15	-26.45	3,104.06	6,340.06	7,487.41	7,242.41	244.99	30.562	
6,800.00	6,752.94	6,741.52	6,752.94	0.00	267.66	-28.28	3,104.06	6,340.06	7,444.08	7,207.69	236.40	31.490	
6,900.00	6,833.85	6,822.43	6,833.85	0.00	270.90	-30.84	3,104.06	6,340.06	7,390.76	7,164.20	226.56	32.622	
7,000.00	6,906.42	6,895.00	6,906.42	0.00	273.80	-34.34	3,104.06	6,340.06	7,328.39	7,110.52	217.87	33.637	
7,100.00	6,969.40	6,957.98	6,969.40	0.00	276.32	-39.10	3,104.06	6,340.06	7,258.10	7,044.23	213.87	33.937	
7,200.00	7,021.72	7,010.30	7,021.72	0.00	278.41	-45.57	3,104.06	6,340.06	7,181.14	6,962.50	218.64	32.844	
7,300.00	7,062.47	7,051.05	7,062.47	0.00	280.04	-54.28	3,104.06	6,340.06	7,098.87	6,864.52	234.35	30.292	
7,400.00	7,090.97	7,079.55	7,090.97	0.00	281.18	-65.65	3,104.06	6,340.06	7,012.74	6,755.28	257.46	27.238	
7,500.00	7,106.72	7,095.30	7,106.72	0.00	281.81	-79.46	3,104.06	6,340.06	6,924.28	6,647.18	277.10	24.989	
7,600.00	7,110.14	7,098.72	7,110.14	0.00	281.95	-89.53	3,104.06	6,340.06	6,835.01	6,553.07	281.94	24.243	
7,700.00	7,110.55	7,099.13	7,110.55	0.00	281.97	-89.54	3,104.06	6,340.06	6,745.95	6,463.99	281.96	23.925	
7,800.00	7,110.97	7,099.55	7,110.97	0.00	281.98	-89.55	3,104.06	6,340.06	6,657.20	6,375.22	281.97	23.609	
7,900.00	7,111.38	7,099.96	7,111.38	0.00	282.00	-89.55	3,104.06	6,340.06	6,568.77	6,286.78	281.99	23.294	
8,000.00	7,111.79	7,100.37	7,111.79	0.00	282.01	-89.56	3,104.06	6,340.06	6,480.68	6,198.67	282.01	22.981	
8,100.00	7,112.21	7,100.79	7,112.21	0.00	282.03	-89.57	3,104.06	6,340.06	6,392.93	6,110.91	282.02	22.668	
8,200.00	7,112.62	7,101.20	7,112.62	0.00	282.05	-89.58	3,104.06	6,340.06	6,305.56	6,023.52	282.04	22.357	
8,300.00	7,113.03	7,101.61	7,113.03	0.00	282.06	-89.59	3,104.06	6,340.06	6,218.56	5,936.50	282.06	22.047	
8,400.00	7,113.45	7,102.03	7,113.45	0.00	282.08	-89.59	3,104.06	6,340.06	6,131.96	5,849.89	282.07	21.739	
8,500.00	7,113.86	7,102.44	7,113.86	0.00	282.10	-89.60	3,104.06	6,340.06	6,045.78	5,763.69	282.09	21.432	
8,600.00	7,114.28	7,102.86	7,114.28	0.00	282.11	-89.61	3,104.06	6,340.06	5,960.02	5,677.91	282.11	21.127	
8,700.00	7,114.69	7,103.27	7,114.69	0.00	282.13	-89.62	3,104.06	6,340.06	5,874.72	5,592.59	282.12	20.823	
8,800.00	7,115.10	7,103.68	7,115.10	0.00	282.15	-89.62	3,104.06	6,340.06	5,789.89	5,507.74	282.14	20.521	
8,900.00	7,115.52	7,104.10	7,115.52	0.00	282.16	-89.63	3,104.06	6,340.06	5,705.54	5,423.38	282.16	20.221	
9,000.00	7,115.93	7,104.51	7,115.93	0.00	282.18	-89.64	3,104.06	6,340.06	5,621.71	5,339.54	282.18	19.923	
9,100.00	7,116.35	7,104.93	7,116.35	0.00	282.20	-89.65	3,104.06	6,340.06	5,538.42	5,256.23	282.19	19.626	
9,200.00	7,116.76	7,105.34	7,116.76	0.00	282.21	-89.65	3,104.06	6,340.06	5,455.69	5,173.48	282.21	19.332	
9,300.00	7,117.17	7,105.75	7,117.17	0.00	282.23	-89.66	3,104.06	6,340.06	5,373.55	5,091.32	282.23	19.040	
9,400.00	7,117.59	7,106.17	7,117.59	0.00	282.25	-89.67	3,104.06	6,340.06	5,292.02	5,009.78	282.24	18.750	
9,500.00	7,118.00	7,106.58	7,118.00	0.00	282.26	-89.68	3,104.06	6,340.06	5,211.13	4,928.87	282.26	18.462	
9,600.00	7,118.41	7,106.99	7,118.41	0.00	282.28	-89.69	3,104.06	6,340.06	5,130.92	4,848.65	282.28	18.177	
9,700.00	7,118.83	7,107.41	7,118.83	0.00	282.30	-89.69	3,104.06	6,340.06	5,051.42	4,769.12	282.29	17.894	
9,800.00	7,119.24	7,107.82	7,119.24	0.00	282.31	-89.70	3,104.06	6,340.06	4,972.65	4,690.34	282.31	17.614	
9,900.00	7,119.66	7,108.24	7,119.66	0.00	282.33	-89.71	3,104.06	6,340.06	4,894.66	4,612.33	282.33	17.337	
10,000.00	7,120.07	7,108.65	7,120.07	0.00	282.35	-89.72	3,104.06	6,340.06	4,817.48	4,535.14	282.34	17.063	
10,100.00	7,120.48	7,109.06	7,120.48	0.00	282.36	-89.72	3,104.06	6,340.06	4,741.16	4,458.80	282.36	16.791	
10,200.00	7,120.90	7,109.48	7,120.90	0.00	282.38	-89.73	3,104.06	6,340.06	4,665.73	4,383.35	282.38	16.523	
10,300.00	7,121.31	7,109.89	7,121.31	0.00	282.40	-89.74	3,104.06	6,340.06	4,591.24	4,308.85	282.39	16.258	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	7,110.31	7,121.73	0.00	282.41	-89.75	3,104.06	6,340.06	4,517.74	4,235.33	282.41	15.997	
10,500.00	7,122.14	7,110.72	7,122.14	0.00	282.43	-89.75	3,104.06	6,340.06	4,445.26	4,162.84	282.43	15.740	
10,600.00	7,122.55	7,111.13	7,122.55	0.00	282.45	-89.76	3,104.06	6,340.06	4,373.88	4,091.44	282.44	15.486	
10,700.00	7,122.97	7,111.55	7,122.97	0.00	282.46	-89.77	3,104.06	6,340.06	4,303.63	4,021.17	282.46	15.236	
10,800.00	7,123.38	7,111.96	7,123.38	0.00	282.48	-89.78	3,104.06	6,340.06	4,234.58	3,952.11	282.48	14.991	
10,900.00	7,123.79	7,112.37	7,123.79	0.00	282.50	-89.79	3,104.06	6,340.06	4,166.79	3,884.30	282.49	14.750	
11,000.00	7,124.21	7,112.79	7,124.21	0.00	282.51	-89.79	3,104.06	6,340.06	4,100.32	3,817.81	282.51	14.514	
11,100.00	7,124.62	7,113.20	7,124.62	0.00	282.53	-89.80	3,104.06	6,340.06	4,035.22	3,752.70	282.53	14.283	
11,200.00	7,125.04	7,113.62	7,125.04	0.00	282.54	-89.81	3,104.06	6,340.06	3,971.58	3,689.04	282.54	14.057	
11,300.00	7,125.45	7,114.03	7,125.45	0.00	282.56	-89.82	3,104.06	6,340.06	3,909.47	3,626.91	282.56	13.836	
11,400.00	7,125.86	7,114.44	7,125.86	0.00	282.58	-89.82	3,104.06	6,340.06	3,848.94	3,566.37	282.58	13.621	
11,500.00	7,126.28	7,114.86	7,126.28	0.00	282.59	-89.83	3,104.06	6,340.06	3,790.09	3,507.50	282.59	13.412	
11,600.00	7,126.69	7,115.27	7,126.69	0.00	282.61	-89.84	3,104.06	6,340.06	3,732.99	3,450.38	282.61	13.209	
11,700.00	7,127.11	7,115.69	7,127.11	0.00	282.63	-89.85	3,104.06	6,340.06	3,677.73	3,395.10	282.63	13.013	
11,800.00	7,127.52	7,116.10	7,127.52	0.00	282.64	-89.85	3,104.06	6,340.06	3,624.38	3,341.74	282.64	12.823	
11,900.00	7,127.93	7,116.51	7,127.93	0.00	282.66	-89.86	3,104.06	6,340.06	3,573.03	3,290.37	282.66	12.641	
12,000.00	7,128.35	7,116.93	7,128.35	0.00	282.68	-89.87	3,104.06	6,340.06	3,523.78	3,241.10	282.68	12.466	
12,100.00	7,128.76	7,117.34	7,128.76	0.00	282.69	-89.88	3,104.06	6,340.06	3,476.70	3,194.01	282.69	12.298	
12,200.00	7,129.18	7,117.76	7,129.18	0.00	282.71	-89.88	3,104.06	6,340.06	3,431.89	3,149.18	282.71	12.139	
12,300.00	7,129.59	7,118.17	7,129.59	0.00	282.73	-89.89	3,104.06	6,340.06	3,389.44	3,106.72	282.73	11.988	
12,400.00	7,130.00	7,118.58	7,130.00	0.00	282.74	-89.90	3,104.06	6,340.06	3,349.44	3,066.70	282.74	11.846	
12,500.00	7,130.42	7,119.00	7,130.42	0.00	282.76	-89.91	3,104.06	6,340.06	3,311.98	3,029.22	282.76	11.713	
12,600.00	7,130.83	7,119.41	7,130.83	0.00	282.78	-89.92	3,104.06	6,340.06	3,277.14	2,994.36	282.78	11.589	
12,700.00	7,131.24	7,119.82	7,131.24	0.00	282.79	-89.92	3,104.06	6,340.06	3,245.01	2,962.21	282.79	11.475	
12,800.00	7,131.66	7,120.24	7,131.66	0.00	282.81	-89.93	3,104.06	6,340.06	3,215.67	2,932.86	282.81	11.370	
12,900.00	7,132.07	7,120.65	7,132.07	0.00	282.83	-89.94	3,104.06	6,340.06	3,189.19	2,906.37	282.83	11.276	
13,000.00	7,132.49	7,121.07	7,132.49	0.00	282.84	-89.95	3,104.06	6,340.06	3,165.66	2,882.81	282.84	11.192	
13,100.00	7,132.90	7,121.48	7,132.90	0.00	282.86	-89.95	3,104.06	6,340.06	3,145.13	2,862.27	282.86	11.119	
13,200.00	7,133.31	7,121.89	7,133.31	0.00	282.88	-89.96	3,104.06	6,340.06	3,127.66	2,844.78	282.88	11.057	
13,300.00	7,133.73	7,122.31	7,133.73	0.00	282.89	-89.97	3,104.06	6,340.06	3,113.31	2,830.41	282.89	11.005	
13,400.00	7,134.14	7,122.72	7,134.14	0.00	282.91	-89.98	3,104.06	6,340.06	3,102.11	2,819.21	282.91	10.965	
13,500.00	7,134.56	7,123.14	7,134.56	0.00	282.93	-89.98	3,104.06	6,340.06	3,094.12	2,811.19	282.93	10.936	
13,600.00	7,134.97	7,123.55	7,134.97	0.00	282.94	-89.99	3,104.06	6,340.06	3,089.33	2,806.39	282.94	10.919	
13,697.83	7,135.37	7,123.95	7,135.37	0.00	282.96	-90.00	3,104.06	6,340.06	3,087.78	2,804.83	282.96	10.913	CC, ES
13,700.00	7,135.38	7,123.96	7,135.38	0.00	282.96	-90.00	3,104.06	6,340.06	3,087.79	2,804.83	282.96	10.912	SF
13,800.00	7,135.80	7,124.38	7,135.80	0.00	282.98	-90.01	3,104.06	6,340.06	3,089.47	2,806.50	282.98	10.918	
13,900.00	7,136.21	7,124.79	7,136.21	0.00	282.99	-90.02	3,104.06	6,340.06	3,094.40	2,811.40	282.99	10.935	
14,000.00	7,136.62	7,125.20	7,136.62	0.00	283.01	-90.02	3,104.06	6,340.06	3,102.53	2,819.53	283.01	10.963	
14,100.00	7,137.04	7,125.62	7,137.04	0.00	283.02	-90.03	3,104.06	6,340.06	3,113.86	2,830.84	283.02	11.002	
14,200.00	7,137.45	7,126.03	7,137.45	0.00	283.04	-90.04	3,104.06	6,340.06	3,128.35	2,845.31	283.04	11.053	
14,300.00	7,137.87	7,126.45	7,137.87	0.00	283.06	-90.05	3,104.06	6,340.06	3,145.95	2,862.89	283.06	11.114	
14,400.00	7,138.28	7,126.86	7,138.28	0.00	283.07	-90.05	3,104.06	6,340.06	3,166.61	2,883.54	283.07	11.187	
14,500.00	7,138.69	7,127.27	7,138.69	0.00	283.09	-90.06	3,104.06	6,340.06	3,190.28	2,907.19	283.09	11.269	
14,600.00	7,139.11	7,127.69	7,139.11	0.00	283.11	-90.07	3,104.06	6,340.06	3,216.88	2,933.77	283.11	11.363	
14,700.00	7,139.52	7,128.10	7,139.52	0.00	283.12	-90.08	3,104.06	6,340.06	3,246.34	2,963.22	283.12	11.466	
14,800.00	7,139.94	7,128.52	7,139.94	0.00	283.14	-90.08	3,104.06	6,340.06	3,278.59	2,995.45	283.14	11.579	
14,900.00	7,140.35	7,128.93	7,140.35	0.00	283.16	-90.09	3,104.06	6,340.06	3,313.55	3,030.39	283.16	11.702	
15,000.00	7,140.76	7,129.34	7,140.76	0.00	283.17	-90.10	3,104.06	6,340.06	3,351.12	3,067.95	283.17	11.834	
15,100.00	7,141.18	7,129.76	7,141.18	0.00	283.19	-90.11	3,104.06	6,340.06	3,391.23	3,108.04	283.19	11.975	
15,200.00	7,141.59	7,130.17	7,141.59	0.00	283.21	-90.12	3,104.06	6,340.06	3,433.79	3,150.58	283.21	12.125	
15,300.00	7,142.00	7,130.58	7,142.00	0.00	283.22	-90.12	3,104.06	6,340.06	3,478.69	3,195.47	283.22	12.283	
15,400.00	7,142.42	7,131.00	7,142.42	0.00	283.24	-90.13	3,104.06	6,340.06	3,525.87	3,242.63	283.24	12.448	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,131.41	7,142.83	0.00	283.26	-90.14	3,104.06	6,340.06	3,575.22	3,291.96	283.26	12.622	
15,600.00	7,143.25	7,131.83	7,143.25	0.00	283.27	-90.15	3,104.06	6,340.06	3,626.65	3,343.38	283.27	12.803	
15,700.00	7,143.66	7,132.24	7,143.66	0.00	283.29	-90.15	3,104.06	6,340.06	3,680.08	3,396.80	283.29	12.991	
15,800.00	7,144.07	7,132.65	7,144.07	0.00	283.31	-90.16	3,104.06	6,340.06	3,735.43	3,452.13	283.31	13.185	
15,900.00	7,144.49	7,133.07	7,144.49	0.00	283.32	-90.17	3,104.06	6,340.06	3,792.61	3,509.29	283.32	13.386	
16,000.00	7,144.90	7,133.48	7,144.90	0.00	283.34	-90.18	3,104.06	6,340.06	3,851.53	3,568.19	283.34	13.593	
16,100.00	7,145.32	7,133.90	7,145.32	0.00	283.36	-90.18	3,104.06	6,340.06	3,912.12	3,628.77	283.35	13.806	
16,200.00	7,145.73	7,134.31	7,145.73	0.00	283.37	-90.19	3,104.06	6,340.06	3,974.31	3,690.94	283.37	14.025	
16,300.00	7,146.14	7,134.72	7,146.14	0.00	283.39	-90.20	3,104.06	6,340.06	4,038.02	3,754.63	283.39	14.249	
16,400.00	7,146.56	7,135.14	7,146.56	0.00	283.41	-90.21	3,104.06	6,340.06	4,103.17	3,819.77	283.40	14.478	
16,500.00	7,146.97	7,135.55	7,146.97	0.00	283.42	-90.22	3,104.06	6,340.06	4,169.70	3,886.28	283.42	14.712	
16,600.00	7,147.38	7,135.96	7,147.38	0.00	283.44	-90.22	3,104.06	6,340.06	4,237.55	3,954.11	283.44	14.951	
16,700.00	7,147.80	7,136.38	7,147.80	0.00	283.46	-90.23	3,104.06	6,340.06	4,306.65	4,023.20	283.45	15.194	
16,800.00	7,148.21	7,136.79	7,148.21	0.00	283.47	-90.24	3,104.06	6,340.06	4,376.95	4,093.48	283.47	15.441	
16,900.00	7,148.63	7,137.21	7,148.63	0.00	283.49	-90.25	3,104.06	6,340.06	4,448.38	4,164.90	283.49	15.692	
17,000.00	7,149.04	7,137.62	7,149.04	0.00	283.50	-90.25	3,104.06	6,340.06	4,520.90	4,237.40	283.50	15.947	
17,100.00	7,149.45	7,138.03	7,149.45	0.00	283.52	-90.26	3,104.06	6,340.06	4,594.45	4,310.93	283.52	16.205	
17,200.00	7,149.87	7,138.45	7,149.87	0.00	283.54	-90.27	3,104.06	6,340.06	4,668.98	4,385.45	283.53	16.467	
17,232.03	7,150.00	7,138.58	7,150.00	0.00	283.54	-90.27	3,104.06	6,340.06	4,693.06	4,409.52	283.54	16.552	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	161.66	0.00	0.00	108.71	-2,531.04	7,472.77	7,891.43				
100.00	100.00	0.00	161.66	0.00	0.00	108.71	-2,531.04	7,472.77	7,890.01				
186.94	186.94	25.28	186.94	0.00	0.51	108.71	-2,531.04	7,472.77	7,889.77	7,889.26	0.51	N/A	
200.00	200.00	38.34	200.00	0.00	0.77	108.71	-2,531.04	7,472.77	7,889.77	7,889.00	0.77	N/A	
300.00	300.00	138.34	300.00	0.00	3.53	108.71	-2,531.04	7,472.77	7,889.77	7,886.24	3.53	2,232.658	
400.00	399.98	238.32	399.98	0.00	7.53	-161.34	-2,531.04	7,472.77	7,891.42	7,883.89	7.53	1,048.155	
500.00	499.84	338.18	499.84	0.00	11.53	-161.32	-2,531.04	7,472.77	7,896.38	7,884.88	11.50	686.516	
600.00	599.47	437.81	599.47	0.00	15.51	-161.31	-2,531.04	7,472.77	7,904.43	7,888.98	15.45	511.498	
700.00	699.05	537.39	699.05	0.00	19.50	-161.33	-2,531.04	7,472.77	7,913.17	7,893.74	19.42	407.449	
800.00	798.62	636.96	798.62	0.00	23.48	-161.35	-2,531.04	7,472.77	7,921.90	7,898.51	23.39	338.702	
900.00	898.20	736.54	898.20	0.00	27.46	-161.37	-2,531.04	7,472.77	7,930.64	7,903.28	27.36	289.897	
1,000.00	997.77	836.11	997.77	0.00	31.44	-161.39	-2,531.04	7,472.77	7,939.38	7,908.05	31.32	253.456	
1,100.00	1,097.35	935.69	1,097.35	0.00	35.43	-161.41	-2,531.04	7,472.77	7,948.12	7,912.82	35.29	225.209	
1,200.00	1,196.92	1,035.26	1,196.92	0.00	39.41	-161.43	-2,531.04	7,472.77	7,956.86	7,917.60	39.26	202.672	
1,300.00	1,296.49	1,134.83	1,296.49	0.00	43.39	-161.45	-2,531.04	7,472.77	7,965.60	7,922.37	43.23	184.271	
1,400.00	1,396.07	1,234.41	1,396.07	0.00	47.38	-161.48	-2,531.04	7,472.77	7,974.34	7,927.15	47.20	168.965	
1,500.00	1,495.64	1,333.98	1,495.64	0.00	51.36	-161.50	-2,531.04	7,472.77	7,983.08	7,931.92	51.16	156.033	
1,600.00	1,595.22	1,433.56	1,595.22	0.00	55.34	-161.52	-2,531.04	7,472.77	7,991.83	7,936.70	55.13	144.962	
1,700.00	1,694.79	1,533.13	1,694.79	0.00	59.33	-161.54	-2,531.04	7,472.77	8,000.57	7,941.48	59.10	135.377	
1,800.00	1,794.37	1,632.71	1,794.37	0.00	63.31	-161.56	-2,531.04	7,472.77	8,009.32	7,946.26	63.07	126.999	
1,900.00	1,893.94	1,732.28	1,893.94	0.00	67.29	-161.58	-2,531.04	7,472.77	8,018.07	7,951.04	67.03	119.613	
2,000.00	1,993.51	1,831.85	1,993.51	0.00	71.27	-161.60	-2,531.04	7,472.77	8,026.82	7,955.82	71.00	113.052	
2,100.00	2,093.09	1,931.43	2,093.09	0.00	75.26	-161.62	-2,531.04	7,472.77	8,035.57	7,960.60	74.97	107.185	
2,200.00	2,192.66	2,031.00	2,192.66	0.00	79.24	-161.64	-2,531.04	7,472.77	8,044.32	7,965.38	78.94	101.909	
2,300.00	2,292.24	2,130.58	2,292.24	0.00	83.22	-161.66	-2,531.04	7,472.77	8,053.07	7,970.17	82.90	97.137	
2,400.00	2,391.81	2,230.15	2,391.81	0.00	87.21	-161.68	-2,531.04	7,472.77	8,061.82	7,974.95	86.87	92.801	
2,500.00	2,491.39	2,329.73	2,491.39	0.00	91.19	-161.70	-2,531.04	7,472.77	8,070.58	7,979.74	90.84	88.844	
2,600.00	2,590.96	2,429.30	2,590.96	0.00	95.17	-161.72	-2,531.04	7,472.77	8,079.33	7,984.53	94.81	85.219	
2,700.00	2,690.53	2,528.87	2,690.53	0.00	99.15	-161.75	-2,531.04	7,472.77	8,088.09	7,989.31	98.77	81.884	
2,800.00	2,790.11	2,628.45	2,790.11	0.00	103.14	-161.77	-2,531.04	7,472.77	8,096.85	7,994.10	102.74	78.807	
2,900.00	2,889.68	2,728.02	2,889.68	0.00	107.12	-161.79	-2,531.04	7,472.77	8,105.60	7,998.89	106.71	75.959	
3,000.00	2,989.26	2,827.60	2,989.26	0.00	111.10	-161.81	-2,531.04	7,472.77	8,114.36	8,003.69	110.68	73.315	
3,100.00	3,088.83	2,927.17	3,088.83	0.00	115.09	-161.83	-2,531.04	7,472.77	8,123.12	8,008.48	114.64	70.855	
3,200.00	3,188.41	3,026.75	3,188.41	0.00	119.07	-161.85	-2,531.04	7,472.77	8,131.88	8,013.27	118.61	68.558	
3,300.00	3,287.98	3,126.32	3,287.98	0.00	123.05	-161.87	-2,531.04	7,472.77	8,140.65	8,018.07	122.58	66.411	
3,400.00	3,387.56	3,225.90	3,387.56	0.00	127.04	-161.89	-2,531.04	7,472.77	8,149.41	8,022.86	126.55	64.398	
3,500.00	3,487.13	3,325.47	3,487.13	0.00	131.02	-161.91	-2,531.04	7,472.77	8,158.17	8,027.66	130.52	62.507	
3,600.00	3,586.70	3,425.04	3,586.70	0.00	135.00	-161.93	-2,531.04	7,472.77	8,166.94	8,032.46	134.48	60.729	
3,700.00	3,686.28	3,524.62	3,686.28	0.00	138.98	-161.95	-2,531.04	7,472.77	8,175.70	8,037.25	138.45	59.052	
3,800.00	3,785.85	3,624.19	3,785.85	0.00	142.97	-161.97	-2,531.04	7,472.77	8,184.47	8,042.05	142.42	57.468	
3,900.00	3,885.43	3,723.77	3,885.43	0.00	146.95	-161.99	-2,531.04	7,472.77	8,193.24	8,046.85	146.39	55.970	
4,000.00	3,985.00	3,823.34	3,985.00	0.00	150.93	-162.01	-2,531.04	7,472.77	8,202.01	8,051.66	150.35	54.552	
4,100.00	4,084.58	3,922.92	4,084.58	0.00	154.92	-162.03	-2,531.04	7,472.77	8,210.78	8,056.46	154.32	53.206	
4,200.00	4,184.15	4,022.49	4,184.15	0.00	158.90	-162.05	-2,531.04	7,472.77	8,219.55	8,061.26	158.29	51.928	
4,300.00	4,283.72	4,122.06	4,283.72	0.00	162.88	-162.07	-2,531.04	7,472.77	8,228.32	8,066.07	162.26	50.712	
4,400.00	4,383.30	4,221.64	4,383.30	0.00	166.87	-162.09	-2,531.04	7,472.77	8,237.09	8,070.87	166.22	49.555	
4,500.00	4,482.87	4,321.21	4,482.87	0.00	170.85	-162.11	-2,531.04	7,472.77	8,245.87	8,075.68	170.19	48.451	
4,600.00	4,582.45	4,420.79	4,582.45	0.00	174.83	-162.13	-2,531.04	7,472.77	8,254.64	8,080.49	174.16	47.398	
4,700.00	4,682.02	4,520.36	4,682.02	0.00	178.81	-162.15	-2,531.04	7,472.77	8,263.42	8,085.29	178.13	46.391	
4,800.00	4,781.60	4,619.94	4,781.60	0.00	182.80	-162.16	-2,531.04	7,472.77	8,272.20	8,090.10	182.09	45.428	
4,900.00	4,881.17	4,719.51	4,881.17	0.00	186.78	-162.18	-2,531.04	7,472.77	8,280.97	8,094.91	186.06	44.507	
5,000.00	4,980.74	4,819.08	4,980.74	0.00	190.76	-162.20	-2,531.04	7,472.77	8,289.75	8,099.73	190.03	43.624	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,918.66	5,080.32	0.00	194.75	-162.22	-2,531.04	7,472.77	8,298.53	8,104.54	194.00	42.777	
5,200.00	5,179.89	5,018.23	5,179.89	0.00	198.73	-162.24	-2,531.04	7,472.77	8,307.31	8,109.35	197.96	41.964	
5,300.00	5,279.47	5,117.81	5,279.47	0.00	202.71	-162.26	-2,531.04	7,472.77	8,316.10	8,114.17	201.93	41.183	
5,400.00	5,379.04	5,217.38	5,379.04	0.00	206.70	-162.28	-2,531.04	7,472.77	8,324.88	8,118.98	205.90	40.432	
5,500.00	5,478.62	5,316.96	5,478.62	0.00	210.68	-162.30	-2,531.04	7,472.77	8,333.66	8,123.80	209.86	39.710	
5,600.00	5,578.19	5,416.53	5,578.19	0.00	214.66	-162.32	-2,531.04	7,472.77	8,342.45	8,128.61	213.83	39.014	
5,700.00	5,677.77	5,516.11	5,677.77	0.00	218.64	-162.34	-2,531.04	7,472.77	8,351.23	8,133.43	217.80	38.344	
5,800.00	5,777.34	5,615.68	5,777.34	0.00	222.63	-162.36	-2,531.04	7,472.77	8,360.02	8,138.25	221.77	37.697	
5,900.00	5,876.91	5,715.25	5,876.91	0.00	226.61	-162.38	-2,531.04	7,472.77	8,368.80	8,143.07	225.73	37.074	
6,000.00	5,976.49	5,814.83	5,976.49	0.00	230.59	-162.40	-2,531.04	7,472.77	8,377.59	8,147.89	229.70	36.472	
6,100.00	6,076.06	5,914.40	6,076.06	0.00	234.58	-162.42	-2,531.04	7,472.77	8,386.38	8,152.71	233.67	35.890	
6,200.00	6,175.64	6,013.98	6,175.64	0.00	238.56	-162.43	-2,531.04	7,472.77	8,395.17	8,157.53	237.64	35.328	
6,300.00	6,275.24	6,113.58	6,275.24	0.00	242.54	-162.47	-2,531.04	7,472.77	8,403.70	8,161.84	241.86	34.746	
6,400.00	6,375.13	6,213.47	6,375.13	0.00	246.54	18.03	-2,531.04	7,472.77	8,406.22	8,159.84	246.38	34.119	
6,500.00	6,474.53	6,312.87	6,474.53	0.00	250.51	18.00	-2,531.04	7,472.77	8,396.39	8,149.10	247.29	33.954	
6,600.00	6,571.72	6,410.06	6,571.72	0.00	254.40	18.54	-2,531.04	7,472.77	8,374.28	8,130.06	244.22	34.289	
6,700.00	6,665.06	6,503.40	6,665.06	0.00	258.14	19.49	-2,531.04	7,472.77	8,340.29	8,103.00	237.30	35.147	
6,800.00	6,752.94	6,591.28	6,752.94	0.00	261.65	20.91	-2,531.04	7,472.77	8,295.02	8,068.04	226.97	36.546	
6,900.00	6,833.85	6,672.19	6,833.85	0.00	264.89	22.94	-2,531.04	7,472.77	8,239.24	8,024.98	214.26	38.455	
7,000.00	6,906.42	6,744.76	6,906.42	0.00	267.79	25.80	-2,531.04	7,472.77	8,173.95	7,972.86	201.09	40.648	
7,100.00	6,969.40	6,807.74	6,969.40	0.00	270.31	29.85	-2,531.04	7,472.77	8,100.28	7,909.29	190.99	42.413	
7,200.00	7,021.72	6,860.06	7,021.72	0.00	272.40	35.71	-2,531.04	7,472.77	8,019.51	7,829.94	189.57	42.304	
7,300.00	7,062.47	6,900.81	7,062.47	0.00	274.03	44.36	-2,531.04	7,472.77	7,933.07	7,729.76	203.30	39.021	
7,400.00	7,090.97	6,929.31	7,090.97	0.00	275.17	57.17	-2,531.04	7,472.77	7,842.43	7,608.85	233.58	33.575	
7,500.00	7,106.72	6,945.06	7,106.72	0.00	275.80	75.10	-2,531.04	7,472.77	7,749.18	7,482.57	266.61	29.065	
7,600.00	7,110.14	6,948.48	7,110.14	0.00	275.94	89.33	-2,531.04	7,472.77	7,654.92	7,379.00	275.92	27.743	
7,700.00	7,110.55	6,948.89	7,110.55	0.00	275.96	89.34	-2,531.04	7,472.77	7,560.70	7,284.76	275.94	27.400	
7,800.00	7,110.97	6,949.31	7,110.97	0.00	275.97	89.35	-2,531.04	7,472.77	7,466.64	7,190.68	275.95	27.057	
7,900.00	7,111.38	6,949.72	7,111.38	0.00	275.99	89.36	-2,531.04	7,472.77	7,372.73	7,096.76	275.97	26.716	
8,000.00	7,111.79	6,950.13	7,111.79	0.00	276.01	89.37	-2,531.04	7,472.77	7,278.98	7,002.99	275.99	26.374	
8,100.00	7,112.21	6,950.55	7,112.21	0.00	276.02	89.38	-2,531.04	7,472.77	7,185.41	6,909.40	276.01	26.034	
8,200.00	7,112.62	6,950.96	7,112.62	0.00	276.04	89.38	-2,531.04	7,472.77	7,092.00	6,815.98	276.02	25.694	
8,300.00	7,113.03	6,951.37	7,113.03	0.00	276.05	89.39	-2,531.04	7,472.77	6,998.78	6,722.74	276.04	25.354	
8,400.00	7,113.45	6,951.79	7,113.45	0.00	276.07	89.40	-2,531.04	7,472.77	6,905.75	6,629.70	276.06	25.016	
8,500.00	7,113.86	6,952.20	7,113.86	0.00	276.09	89.41	-2,531.04	7,472.77	6,812.92	6,536.85	276.07	24.678	
8,600.00	7,114.28	6,952.62	7,114.28	0.00	276.10	89.42	-2,531.04	7,472.77	6,720.29	6,444.20	276.09	24.341	
8,700.00	7,114.69	6,953.03	7,114.69	0.00	276.12	89.43	-2,531.04	7,472.77	6,627.88	6,351.77	276.11	24.005	
8,800.00	7,115.10	6,953.44	7,115.10	0.00	276.14	89.44	-2,531.04	7,472.77	6,535.69	6,259.57	276.12	23.669	
8,900.00	7,115.52	6,953.86	7,115.52	0.00	276.15	89.45	-2,531.04	7,472.77	6,443.74	6,167.59	276.14	23.335	
9,000.00	7,115.93	6,954.27	7,115.93	0.00	276.17	89.46	-2,531.04	7,472.77	6,352.02	6,075.86	276.16	23.001	
9,100.00	7,116.35	6,954.69	7,116.35	0.00	276.19	89.47	-2,531.04	7,472.77	6,260.56	5,984.39	276.18	22.669	
9,200.00	7,116.76	6,955.10	7,116.76	0.00	276.20	89.48	-2,531.04	7,472.77	6,169.37	5,893.18	276.19	22.337	
9,300.00	7,117.17	6,955.51	7,117.17	0.00	276.22	89.49	-2,531.04	7,472.77	6,078.45	5,802.24	276.21	22.007	
9,400.00	7,117.59	6,955.93	7,117.59	0.00	276.24	89.50	-2,531.04	7,472.77	5,987.82	5,711.60	276.23	21.677	
9,500.00	7,118.00	6,956.34	7,118.00	0.00	276.25	89.51	-2,531.04	7,472.77	5,897.50	5,621.25	276.24	21.349	
9,600.00	7,118.41	6,956.75	7,118.41	0.00	276.27	89.51	-2,531.04	7,472.77	5,807.49	5,531.23	276.26	21.022	
9,700.00	7,118.83	6,957.17	7,118.83	0.00	276.29	89.52	-2,531.04	7,472.77	5,717.81	5,441.53	276.28	20.696	
9,800.00	7,119.24	6,957.58	7,119.24	0.00	276.30	89.53	-2,531.04	7,472.77	5,628.48	5,352.19	276.29	20.371	
9,900.00	7,119.66	6,958.00	7,119.66	0.00	276.32	89.54	-2,531.04	7,472.77	5,539.52	5,263.21	276.31	20.048	
10,000.00	7,120.07	6,958.41	7,120.07	0.00	276.34	89.55	-2,531.04	7,472.77	5,450.94	5,174.61	276.33	19.726	
10,100.00	7,120.48	6,958.82	7,120.48	0.00	276.35	89.56	-2,531.04	7,472.77	5,362.76	5,086.41	276.35	19.406	
10,200.00	7,120.90	6,959.24	7,120.90	0.00	276.37	89.57	-2,531.04	7,472.77	5,275.00	4,998.64	276.36	19.087	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	6,959.65	7,121.31	0.00	276.39	89.58	-2,531.04	7,472.77	5,187.69	4,911.31	276.38	18.770	
10,400.00	7,121.73	6,960.07	7,121.73	0.00	276.40	89.59	-2,531.04	7,472.77	5,100.84	4,824.44	276.40	18.455	
10,500.00	7,122.14	6,960.48	7,122.14	0.00	276.42	89.60	-2,531.04	7,472.77	5,014.48	4,738.07	276.41	18.141	
10,600.00	7,122.55	6,960.89	7,122.55	0.00	276.44	89.61	-2,531.04	7,472.77	4,928.64	4,652.21	276.43	17.830	
10,700.00	7,122.97	6,961.31	7,122.97	0.00	276.45	89.62	-2,531.04	7,472.77	4,843.34	4,566.89	276.45	17.520	
10,800.00	7,123.38	6,961.72	7,123.38	0.00	276.47	89.63	-2,531.04	7,472.77	4,758.61	4,482.15	276.46	17.212	
10,900.00	7,123.79	6,962.13	7,123.79	0.00	276.49	89.64	-2,531.04	7,472.77	4,674.48	4,398.00	276.48	16.907	
11,000.00	7,124.21	6,962.55	7,124.21	0.00	276.50	89.64	-2,531.04	7,472.77	4,591.00	4,314.50	276.50	16.604	
11,100.00	7,124.62	6,962.96	7,124.62	0.00	276.52	89.65	-2,531.04	7,472.77	4,508.18	4,231.67	276.51	16.304	
11,200.00	7,125.04	6,963.38	7,125.04	0.00	276.54	89.66	-2,531.04	7,472.77	4,426.08	4,149.55	276.53	16.006	
11,300.00	7,125.45	6,963.79	7,125.45	0.00	276.55	89.67	-2,531.04	7,472.77	4,344.72	4,068.17	276.55	15.711	
11,400.00	7,125.86	6,964.20	7,125.86	0.00	276.57	89.68	-2,531.04	7,472.77	4,264.16	3,987.59	276.56	15.418	
11,500.00	7,126.28	6,964.62	7,126.28	0.00	276.58	89.69	-2,531.04	7,472.77	4,184.44	3,907.85	276.58	15.129	
11,600.00	7,126.69	6,965.03	7,126.69	0.00	276.60	89.70	-2,531.04	7,472.77	4,105.60	3,829.00	276.60	14.843	
11,700.00	7,127.11	6,965.45	7,127.11	0.00	276.62	89.71	-2,531.04	7,472.77	4,027.70	3,751.09	276.61	14.561	
11,800.00	7,127.52	6,965.86	7,127.52	0.00	276.63	89.72	-2,531.04	7,472.77	3,950.80	3,674.17	276.63	14.282	
11,900.00	7,127.93	6,966.27	7,127.93	0.00	276.65	89.73	-2,531.04	7,472.77	3,874.96	3,598.31	276.65	14.007	
12,000.00	7,128.35	6,966.69	7,128.35	0.00	276.67	89.74	-2,531.04	7,472.77	3,800.23	3,523.56	276.66	13.736	
12,100.00	7,128.76	6,967.10	7,128.76	0.00	276.68	89.75	-2,531.04	7,472.77	3,726.69	3,450.00	276.68	13.469	
12,200.00	7,129.18	6,967.52	7,129.18	0.00	276.70	89.76	-2,531.04	7,472.77	3,654.40	3,377.70	276.70	13.207	
12,300.00	7,129.59	6,967.93	7,129.59	0.00	276.72	89.77	-2,531.04	7,472.77	3,583.44	3,306.73	276.72	12.950	
12,400.00	7,130.00	6,968.34	7,130.00	0.00	276.73	89.78	-2,531.04	7,472.77	3,513.90	3,237.17	276.73	12.698	
12,500.00	7,130.42	6,968.76	7,130.42	0.00	276.75	89.78	-2,531.04	7,472.77	3,445.86	3,169.11	276.75	12.451	
12,600.00	7,130.83	6,969.17	7,130.83	0.00	276.77	89.79	-2,531.04	7,472.77	3,379.41	3,102.64	276.77	12.210	
12,700.00	7,131.24	6,969.58	7,131.24	0.00	276.78	89.80	-2,531.04	7,472.77	3,314.64	3,037.86	276.78	11.976	
12,800.00	7,131.66	6,970.00	7,131.66	0.00	276.80	89.81	-2,531.04	7,472.77	3,251.66	2,974.86	276.80	11.747	
12,900.00	7,132.07	6,970.41	7,132.07	0.00	276.82	89.82	-2,531.04	7,472.77	3,190.57	2,913.76	276.82	11.526	
13,000.00	7,132.49	6,970.83	7,132.49	0.00	276.83	89.83	-2,531.04	7,472.77	3,131.48	2,854.65	276.83	11.312	
13,100.00	7,132.90	6,971.24	7,132.90	0.00	276.85	89.84	-2,531.04	7,472.77	3,074.51	2,797.66	276.85	11.105	
13,200.00	7,133.31	6,971.65	7,133.31	0.00	276.87	89.85	-2,531.04	7,472.77	3,019.78	2,742.91	276.87	10.907	
13,300.00	7,133.73	6,972.07	7,133.73	0.00	276.88	89.86	-2,531.04	7,472.77	2,967.41	2,690.53	276.88	10.717	
13,400.00	7,134.14	6,972.48	7,134.14	0.00	276.90	89.87	-2,531.04	7,472.77	2,917.53	2,640.63	276.90	10.536	
13,500.00	7,134.56	6,972.90	7,134.56	0.00	276.92	89.88	-2,531.04	7,472.77	2,870.26	2,593.35	276.92	10.365	
13,600.00	7,134.97	6,973.31	7,134.97	0.00	276.93	89.89	-2,531.04	7,472.77	2,825.75	2,548.81	276.93	10.204	
13,700.00	7,135.38	6,973.72	7,135.38	0.00	276.95	89.90	-2,531.04	7,472.77	2,784.11	2,507.16	276.95	10.053	
13,800.00	7,135.80	6,974.14	7,135.80	0.00	276.97	89.91	-2,531.04	7,472.77	2,745.49	2,468.53	276.97	9.913	
13,900.00	7,136.21	6,974.55	7,136.21	0.00	276.98	89.91	-2,531.04	7,472.77	2,710.01	2,433.03	276.98	9.784	
14,000.00	7,136.62	6,974.96	7,136.62	0.00	277.00	89.92	-2,531.04	7,472.77	2,677.80	2,400.80	277.00	9.667	
14,100.00	7,137.04	6,975.38	7,137.04	0.00	277.02	89.93	-2,531.04	7,472.77	2,648.97	2,371.95	277.02	9.563	
14,200.00	7,137.45	6,975.79	7,137.45	0.00	277.03	89.94	-2,531.04	7,472.77	2,623.64	2,346.61	277.03	9.471	
14,300.00	7,137.87	6,976.21	7,137.87	0.00	277.05	89.95	-2,531.04	7,472.77	2,601.91	2,324.86	277.05	9.392	
14,400.00	7,138.28	6,976.62	7,138.28	0.00	277.06	89.96	-2,531.04	7,472.77	2,583.86	2,306.80	277.06	9.326	
14,500.00	7,138.69	6,977.03	7,138.69	0.00	277.08	89.97	-2,531.04	7,472.77	2,569.59	2,292.51	277.08	9.274	
14,600.00	7,139.11	6,977.45	7,139.11	0.00	277.10	89.98	-2,531.04	7,472.77	2,559.15	2,282.05	277.10	9.236	
14,700.00	7,139.52	6,977.86	7,139.52	0.00	277.11	89.99	-2,531.04	7,472.77	2,552.58	2,275.47	277.11	9.211	
14,800.00	7,139.94	6,978.28	7,139.94	0.00	277.13	90.00	-2,531.04	7,472.77	2,549.92	2,272.79	277.13	9.201	
14,817.82	7,140.01	6,978.35	7,140.01	0.00	277.13	90.00	-2,531.04	7,472.77	2,549.86	2,272.73	277.13	9.201	CC, ES, SF
14,900.00	7,140.35	6,978.69	7,140.35	0.00	277.15	90.01	-2,531.04	7,472.77	2,551.18	2,274.04	277.15	9.205	
15,000.00	7,140.76	6,979.10	7,140.76	0.00	277.16	90.02	-2,531.04	7,472.77	2,556.36	2,279.20	277.16	9.223	
15,100.00	7,141.18	6,979.52	7,141.18	0.00	277.18	90.03	-2,531.04	7,472.77	2,565.43	2,288.25	277.18	9.255	
15,200.00	7,141.59	6,979.93	7,141.59	0.00	277.20	90.04	-2,531.04	7,472.77	2,578.34	2,301.15	277.20	9.301	
15,300.00	7,142.00	6,980.34	7,142.00	0.00	277.21	90.04	-2,531.04	7,472.77	2,595.05	2,317.84	277.21	9.361	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	6,980.76	7,142.42	0.00	277.23	90.05	-2,531.04	7,472.77	2,615.48	2,338.25	277.23	9.434	
15,500.00	7,142.83	6,981.17	7,142.83	0.00	277.25	90.06	-2,531.04	7,472.77	2,639.54	2,362.29	277.25	9.521	
15,600.00	7,143.25	6,981.59	7,143.25	0.00	277.26	90.07	-2,531.04	7,472.77	2,667.13	2,389.87	277.26	9.619	
15,700.00	7,143.66	6,982.00	7,143.66	0.00	277.28	90.08	-2,531.04	7,472.77	2,698.15	2,420.87	277.28	9.731	
15,800.00	7,144.07	6,982.41	7,144.07	0.00	277.30	90.09	-2,531.04	7,472.77	2,732.48	2,455.19	277.30	9.854	
15,900.00	7,144.49	6,982.83	7,144.49	0.00	277.31	90.10	-2,531.04	7,472.77	2,770.00	2,492.69	277.31	9.989	
16,000.00	7,144.90	6,983.24	7,144.90	0.00	277.33	90.11	-2,531.04	7,472.77	2,810.57	2,533.24	277.33	10.134	
16,100.00	7,145.32	6,983.66	7,145.32	0.00	277.35	90.12	-2,531.04	7,472.77	2,854.08	2,576.73	277.35	10.291	
16,200.00	7,145.73	6,984.07	7,145.73	0.00	277.36	90.13	-2,531.04	7,472.77	2,900.38	2,623.02	277.36	10.457	
16,300.00	7,146.14	6,984.48	7,146.14	0.00	277.38	90.14	-2,531.04	7,472.77	2,949.34	2,671.96	277.38	10.633	
16,400.00	7,146.56	6,984.90	7,146.56	0.00	277.40	90.15	-2,531.04	7,472.77	3,000.84	2,723.45	277.40	10.818	
16,500.00	7,146.97	6,985.31	7,146.97	0.00	277.41	90.16	-2,531.04	7,472.77	3,054.75	2,777.34	277.41	11.012	
16,600.00	7,147.38	6,985.72	7,147.38	0.00	277.43	90.17	-2,531.04	7,472.77	3,110.94	2,833.51	277.43	11.213	
16,700.00	7,147.80	6,986.14	7,147.80	0.00	277.45	90.18	-2,531.04	7,472.77	3,169.28	2,891.84	277.44	11.423	
16,800.00	7,148.21	6,986.55	7,148.21	0.00	277.46	90.18	-2,531.04	7,472.77	3,229.67	2,952.21	277.46	11.640	
16,900.00	7,148.63	6,986.97	7,148.63	0.00	277.48	90.19	-2,531.04	7,472.77	3,291.99	3,014.51	277.48	11.864	
17,000.00	7,149.04	6,987.38	7,149.04	0.00	277.50	90.20	-2,531.04	7,472.77	3,356.13	3,078.64	277.49	12.094	
17,100.00	7,149.45	6,987.79	7,149.45	0.00	277.51	90.21	-2,531.04	7,472.77	3,422.00	3,144.49	277.51	12.331	
17,200.00	7,149.87	6,988.21	7,149.87	0.00	277.53	90.22	-2,531.04	7,472.77	3,489.48	3,211.96	277.53	12.574	
17,232.03	7,150.00	6,988.34	7,150.00	0.00	277.53	90.22	-2,531.04	7,472.77	3,511.43	3,233.90	277.53	12.652	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	103.29	0.00	0.00	84.14	808.64	7,883.76	7,925.80				
100.00	100.00	0.00	103.29	0.00	0.00	84.14	808.64	7,883.76	7,925.12				
134.47	134.47	31.18	134.47	0.00	0.62	84.14	808.64	7,883.76	7,925.12	7,924.50	0.62	N/A	
200.00	200.00	96.71	200.00	0.00	1.93	84.14	808.64	7,883.76	7,925.12	7,923.19	1.93	4,096.927	
300.00	300.00	196.71	300.00	0.00	5.87	84.14	808.64	7,883.76	7,925.12	7,919.25	5.87	1,350.428	
400.00	399.98	296.69	399.98	0.00	9.87	174.09	808.64	7,883.76	7,926.86	7,917.00	9.86	803.791	
500.00	499.84	396.55	499.84	0.00	13.86	174.08	808.64	7,883.76	7,932.06	7,918.24	13.83	573.595	
600.00	599.47	496.18	599.47	0.00	17.85	174.07	808.64	7,883.76	7,940.51	7,922.74	17.77	446.790	
700.00	699.05	595.76	699.05	0.00	21.83	174.08	808.64	7,883.76	7,949.68	7,927.94	21.74	365.695	
800.00	798.62	695.33	798.62	0.00	25.81	174.09	808.64	7,883.76	7,958.85	7,933.15	25.70	309.625	
900.00	898.20	794.91	898.20	0.00	29.80	174.10	808.64	7,883.76	7,968.02	7,938.35	29.67	268.546	
1,000.00	997.77	894.48	997.77	0.00	33.78	174.10	808.64	7,883.76	7,977.19	7,943.55	33.64	237.154	
1,100.00	1,097.35	994.06	1,097.35	0.00	37.76	174.11	808.64	7,883.76	7,986.36	7,948.75	37.60	212.384	
1,200.00	1,196.92	1,093.63	1,196.92	0.00	41.75	174.12	808.64	7,883.76	7,995.52	7,953.95	41.57	192.341	
1,300.00	1,296.49	1,193.20	1,296.49	0.00	45.73	174.12	808.64	7,883.76	8,004.69	7,959.16	45.54	175.789	
1,400.00	1,396.07	1,292.78	1,396.07	0.00	49.71	174.13	808.64	7,883.76	8,013.86	7,964.36	49.50	161.890	
1,500.00	1,495.64	1,392.35	1,495.64	0.00	53.69	174.14	808.64	7,883.76	8,023.03	7,969.56	53.47	150.053	
1,600.00	1,595.22	1,491.93	1,595.22	0.00	57.68	174.14	808.64	7,883.76	8,032.20	7,974.77	57.43	139.850	
1,700.00	1,694.79	1,591.50	1,694.79	0.00	61.66	174.15	808.64	7,883.76	8,041.37	7,979.97	61.40	130.966	
1,800.00	1,794.37	1,691.08	1,794.37	0.00	65.64	174.16	808.64	7,883.76	8,050.54	7,985.17	65.37	123.160	
1,900.00	1,893.94	1,790.65	1,893.94	0.00	69.63	174.16	808.64	7,883.76	8,059.71	7,990.37	69.33	116.246	
2,000.00	1,993.51	1,890.22	1,993.51	0.00	73.61	174.17	808.64	7,883.76	8,068.88	7,995.58	73.30	110.082	
2,100.00	2,093.09	1,989.80	2,093.09	0.00	77.59	174.18	808.64	7,883.76	8,078.05	8,000.78	77.27	104.549	
2,200.00	2,192.66	2,089.37	2,192.66	0.00	81.57	174.18	808.64	7,883.76	8,087.22	8,005.98	81.23	99.558	
2,300.00	2,292.24	2,188.95	2,292.24	0.00	85.56	174.19	808.64	7,883.76	8,096.39	8,011.19	85.20	95.031	
2,400.00	2,391.81	2,288.52	2,391.81	0.00	89.54	174.20	808.64	7,883.76	8,105.56	8,016.39	89.16	90.906	
2,500.00	2,491.39	2,388.10	2,491.39	0.00	93.52	174.20	808.64	7,883.76	8,114.73	8,021.60	93.13	87.133	
2,600.00	2,590.96	2,487.67	2,590.96	0.00	97.51	174.21	808.64	7,883.76	8,123.90	8,026.80	97.10	83.669	
2,700.00	2,690.53	2,587.24	2,690.53	0.00	101.49	174.22	808.64	7,883.76	8,133.07	8,032.00	101.06	80.476	
2,800.00	2,790.11	2,686.82	2,790.11	0.00	105.47	174.22	808.64	7,883.76	8,142.24	8,037.21	105.03	77.524	
2,900.00	2,889.68	2,786.39	2,889.68	0.00	109.46	174.23	808.64	7,883.76	8,151.41	8,042.41	108.99	74.787	
3,000.00	2,989.26	2,885.97	2,989.26	0.00	113.44	174.24	808.64	7,883.76	8,160.58	8,047.62	112.96	72.242	
3,100.00	3,088.83	2,985.54	3,088.83	0.00	117.42	174.24	808.64	7,883.76	8,169.75	8,052.82	116.93	69.870	
3,200.00	3,188.41	3,085.12	3,188.41	0.00	121.40	174.25	808.64	7,883.76	8,178.92	8,058.02	120.89	67.654	
3,300.00	3,287.98	3,184.69	3,287.98	0.00	125.39	174.25	808.64	7,883.76	8,188.09	8,063.23	124.86	65.578	
3,400.00	3,387.56	3,284.27	3,387.56	0.00	129.37	174.26	808.64	7,883.76	8,197.26	8,068.43	128.83	63.631	
3,500.00	3,487.13	3,383.84	3,487.13	0.00	133.35	174.27	808.64	7,883.76	8,206.43	8,073.64	132.79	61.799	
3,600.00	3,586.70	3,483.41	3,586.70	0.00	137.34	174.27	808.64	7,883.76	8,215.60	8,078.84	136.76	60.074	
3,700.00	3,686.28	3,582.99	3,686.28	0.00	141.32	174.28	808.64	7,883.76	8,224.77	8,084.05	140.72	58.446	
3,800.00	3,785.85	3,682.56	3,785.85	0.00	145.30	174.29	808.64	7,883.76	8,233.94	8,089.25	144.69	56.907	
3,900.00	3,885.43	3,782.14	3,885.43	0.00	149.29	174.29	808.64	7,883.76	8,243.12	8,094.46	148.66	55.451	
4,000.00	3,985.00	3,881.71	3,985.00	0.00	153.27	174.30	808.64	7,883.76	8,252.29	8,099.66	152.62	54.070	
4,100.00	4,084.58	3,981.29	4,084.58	0.00	157.25	174.31	808.64	7,883.76	8,261.46	8,104.87	156.59	52.759	
4,200.00	4,184.15	4,080.86	4,184.15	0.00	161.23	174.31	808.64	7,883.76	8,270.63	8,110.08	160.56	51.513	
4,300.00	4,283.72	4,180.43	4,283.72	0.00	165.22	174.32	808.64	7,883.76	8,279.80	8,115.28	164.52	50.327	
4,400.00	4,383.30	4,280.01	4,383.30	0.00	169.20	174.32	808.64	7,883.76	8,288.97	8,120.49	168.49	49.196	
4,500.00	4,482.87	4,379.58	4,482.87	0.00	173.18	174.33	808.64	7,883.76	8,298.15	8,125.69	172.45	48.118	
4,600.00	4,582.45	4,479.16	4,582.45	0.00	177.17	174.34	808.64	7,883.76	8,307.32	8,130.90	176.42	47.088	
4,700.00	4,682.02	4,578.73	4,682.02	0.00	181.15	174.34	808.64	7,883.76	8,316.49	8,136.10	180.39	46.104	
4,800.00	4,781.60	4,678.31	4,781.60	0.00	185.13	174.35	808.64	7,883.76	8,325.66	8,141.31	184.35	45.162	
4,900.00	4,881.17	4,777.88	4,881.17	0.00	189.12	174.36	808.64	7,883.76	8,334.84	8,146.52	188.32	44.259	
5,000.00	4,980.74	4,877.45	4,980.74	0.00	193.10	174.36	808.64	7,883.76	8,344.01	8,151.72	192.28	43.394	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,977.03	5,080.32	0.00	197.08	174.37	808.64	7,883.76	8,353.18	8,156.93	196.25	42.564	
5,200.00	5,179.89	5,076.60	5,179.89	0.00	201.06	174.37	808.64	7,883.76	8,362.35	8,162.14	200.22	41.767	
5,300.00	5,279.47	5,176.18	5,279.47	0.00	205.05	174.38	808.64	7,883.76	8,371.53	8,167.34	204.18	41.000	
5,400.00	5,379.04	5,275.75	5,379.04	0.00	209.03	174.39	808.64	7,883.76	8,380.70	8,172.55	208.15	40.263	
5,500.00	5,478.62	5,375.33	5,478.62	0.00	213.01	174.39	808.64	7,883.76	8,389.87	8,177.76	212.12	39.553	
5,600.00	5,578.19	5,474.90	5,578.19	0.00	217.00	174.40	808.64	7,883.76	8,399.05	8,182.96	216.08	38.870	
5,700.00	5,677.77	5,574.48	5,677.77	0.00	220.98	174.41	808.64	7,883.76	8,408.22	8,188.17	220.05	38.211	
5,800.00	5,777.34	5,674.05	5,777.34	0.00	224.96	174.41	808.64	7,883.76	8,417.39	8,193.38	224.01	37.575	
5,900.00	5,876.91	5,773.62	5,876.91	0.00	228.94	174.42	808.64	7,883.76	8,426.57	8,198.59	227.98	36.962	
6,000.00	5,976.49	5,873.20	5,976.49	0.00	232.93	174.42	808.64	7,883.76	8,435.74	8,203.79	231.95	36.369	
6,100.00	6,076.06	5,972.77	6,076.06	0.00	236.91	174.43	808.64	7,883.76	8,444.91	8,209.00	235.91	35.797	
6,200.00	6,175.64	6,072.35	6,175.64	0.00	240.89	174.44	808.64	7,883.76	8,454.09	8,214.21	239.88	35.243	
6,300.00	6,275.24	6,171.95	6,275.24	0.00	244.88	174.45	808.64	7,883.76	8,462.99	8,218.86	244.13	34.666	
6,400.00	6,375.13	6,271.84	6,375.13	0.00	248.87	-5.00	808.64	7,883.76	8,465.61	8,216.91	248.70	34.040	
6,500.00	6,474.53	6,371.24	6,474.53	0.00	252.85	-5.35	808.64	7,883.76	8,455.33	8,206.04	249.28	33.919	
6,600.00	6,571.72	6,468.43	6,571.72	0.00	256.74	-5.57	808.64	7,883.76	8,432.21	8,186.82	245.39	34.362	
6,700.00	6,665.06	6,561.77	6,665.06	0.00	260.47	-5.90	808.64	7,883.76	8,396.67	8,159.73	236.94	35.438	
6,800.00	6,752.94	6,649.65	6,752.94	0.00	263.99	-6.37	808.64	7,883.76	8,349.31	8,125.33	223.98	37.278	
6,900.00	6,833.85	6,730.56	6,833.85	0.00	267.22	-7.06	808.64	7,883.76	8,290.93	8,084.20	206.72	40.106	
7,000.00	6,906.42	6,803.13	6,906.42	0.00	270.13	-8.05	808.64	7,883.76	8,222.54	8,036.86	185.69	44.282	
7,100.00	6,969.40	6,866.11	6,969.40	0.00	272.64	-9.54	808.64	7,883.76	8,145.32	7,983.44	161.88	50.318	
7,200.00	7,021.72	6,918.43	7,021.72	0.00	274.74	-11.88	808.64	7,883.76	8,060.58	7,922.95	137.64	58.565	
7,300.00	7,062.47	6,959.18	7,062.47	0.00	276.37	-15.97	808.64	7,883.76	7,969.79	7,850.22	119.56	66.657	
7,400.00	7,090.97	6,987.68	7,090.97	0.00	277.51	-24.40	808.64	7,883.76	7,874.48	7,746.87	127.61	61.708	
7,500.00	7,106.72	7,003.43	7,106.72	0.00	278.14	-47.72	808.64	7,883.76	7,776.31	7,569.80	206.51	37.656	
7,600.00	7,110.14	7,006.85	7,110.14	0.00	278.27	-87.71	808.64	7,883.76	7,676.93	7,398.88	278.05	27.610	
7,700.00	7,110.55	7,007.26	7,110.55	0.00	278.29	-87.74	808.64	7,883.76	7,577.47	7,299.39	278.07	27.250	
7,800.00	7,110.97	7,007.68	7,110.97	0.00	278.31	-87.77	808.64	7,883.76	7,478.02	7,199.92	278.10	26.890	
7,900.00	7,111.38	7,008.09	7,111.38	0.00	278.32	-87.80	808.64	7,883.76	7,378.59	7,100.47	278.12	26.530	
8,000.00	7,111.79	7,008.50	7,111.79	0.00	278.34	-87.83	808.64	7,883.76	7,279.17	7,001.03	278.14	26.171	
8,100.00	7,112.21	7,008.92	7,112.21	0.00	278.36	-87.86	808.64	7,883.76	7,179.77	6,901.60	278.16	25.811	
8,200.00	7,112.62	7,009.33	7,112.62	0.00	278.37	-87.89	808.64	7,883.76	7,080.38	6,802.20	278.18	25.452	
8,300.00	7,113.03	7,009.74	7,113.03	0.00	278.39	-87.92	808.64	7,883.76	6,981.01	6,702.81	278.21	25.093	
8,400.00	7,113.45	7,010.16	7,113.45	0.00	278.41	-87.95	808.64	7,883.76	6,881.66	6,603.44	278.23	24.734	
8,500.00	7,113.86	7,010.57	7,113.86	0.00	278.42	-87.98	808.64	7,883.76	6,782.33	6,504.08	278.25	24.375	
8,600.00	7,114.28	7,010.99	7,114.28	0.00	278.44	-88.01	808.64	7,883.76	6,683.02	6,404.75	278.27	24.016	
8,700.00	7,114.69	7,011.40	7,114.69	0.00	278.46	-88.04	808.64	7,883.76	6,583.73	6,305.44	278.29	23.658	
8,800.00	7,115.10	7,011.81	7,115.10	0.00	278.47	-88.07	808.64	7,883.76	6,484.47	6,206.15	278.31	23.299	
8,900.00	7,115.52	7,012.23	7,115.52	0.00	278.49	-88.10	808.64	7,883.76	6,385.22	6,106.89	278.34	22.941	
9,000.00	7,115.93	7,012.64	7,115.93	0.00	278.51	-88.13	808.64	7,883.76	6,286.00	6,007.64	278.36	22.583	
9,100.00	7,116.35	7,013.06	7,116.35	0.00	278.52	-88.16	808.64	7,883.76	6,186.80	5,908.43	278.38	22.224	
9,200.00	7,116.76	7,013.47	7,116.76	0.00	278.54	-88.19	808.64	7,883.76	6,087.63	5,809.24	278.40	21.867	
9,300.00	7,117.17	7,013.88	7,117.17	0.00	278.56	-88.22	808.64	7,883.76	5,988.49	5,710.07	278.42	21.509	
9,400.00	7,117.59	7,014.30	7,117.59	0.00	278.57	-88.25	808.64	7,883.76	5,889.38	5,610.94	278.44	21.151	
9,500.00	7,118.00	7,014.71	7,118.00	0.00	278.59	-88.28	808.64	7,883.76	5,790.30	5,511.83	278.46	20.794	
9,600.00	7,118.41	7,015.12	7,118.41	0.00	278.61	-88.31	808.64	7,883.76	5,691.25	5,412.76	278.48	20.437	
9,700.00	7,118.83	7,015.54	7,118.83	0.00	278.62	-88.34	808.64	7,883.76	5,592.23	5,313.73	278.50	20.080	
9,800.00	7,119.24	7,015.95	7,119.24	0.00	278.64	-88.37	808.64	7,883.76	5,493.25	5,214.72	278.53	19.723	
9,900.00	7,119.66	7,016.37	7,119.66	0.00	278.65	-88.40	808.64	7,883.76	5,394.31	5,115.76	278.55	19.366	
10,000.00	7,120.07	7,016.78	7,120.07	0.00	278.67	-88.43	808.64	7,883.76	5,295.40	5,016.84	278.57	19.009	
10,100.00	7,120.48	7,017.19	7,120.48	0.00	278.69	-88.46	808.64	7,883.76	5,196.54	4,917.95	278.59	18.653	
10,200.00	7,120.90	7,017.61	7,120.90	0.00	278.70	-88.49	808.64	7,883.76	5,097.72	4,819.11	278.61	18.297	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	7,018.02	7,121.31	0.00	278.72	-88.52	808.64	7,883.76	4,998.95	4,720.32	278.63	17.941	
10,400.00	7,121.73	7,018.44	7,121.73	0.00	278.74	-88.55	808.64	7,883.76	4,900.23	4,621.58	278.65	17.586	
10,500.00	7,122.14	7,018.85	7,122.14	0.00	278.75	-88.58	808.64	7,883.76	4,801.56	4,522.90	278.67	17.230	
10,600.00	7,122.55	7,019.26	7,122.55	0.00	278.77	-88.61	808.64	7,883.76	4,702.95	4,424.26	278.69	16.875	
10,700.00	7,122.97	7,019.68	7,122.97	0.00	278.79	-88.64	808.64	7,883.76	4,604.40	4,325.69	278.71	16.520	
10,800.00	7,123.38	7,020.09	7,123.38	0.00	278.80	-88.67	808.64	7,883.76	4,505.91	4,227.18	278.73	16.166	
10,900.00	7,123.79	7,020.50	7,123.79	0.00	278.82	-88.70	808.64	7,883.76	4,407.49	4,128.74	278.75	15.812	
11,000.00	7,124.21	7,020.92	7,124.21	0.00	278.84	-88.73	808.64	7,883.76	4,309.15	4,030.38	278.77	15.458	
11,100.00	7,124.62	7,021.33	7,124.62	0.00	278.85	-88.76	808.64	7,883.76	4,210.88	3,932.09	278.79	15.104	
11,200.00	7,125.04	7,021.75	7,125.04	0.00	278.87	-88.79	808.64	7,883.76	4,112.69	3,833.88	278.81	14.751	
11,300.00	7,125.45	7,022.16	7,125.45	0.00	278.89	-88.82	808.64	7,883.76	4,014.59	3,735.77	278.83	14.398	
11,400.00	7,125.86	7,022.57	7,125.86	0.00	278.90	-88.85	808.64	7,883.76	3,916.59	3,637.75	278.85	14.046	
11,500.00	7,126.28	7,022.99	7,126.28	0.00	278.92	-88.88	808.64	7,883.76	3,818.70	3,539.83	278.87	13.694	
11,600.00	7,126.69	7,023.40	7,126.69	0.00	278.94	-88.91	808.64	7,883.76	3,720.91	3,442.03	278.89	13.342	
11,700.00	7,127.11	7,023.82	7,127.11	0.00	278.95	-88.94	808.64	7,883.76	3,623.25	3,344.34	278.90	12.991	
11,800.00	7,127.52	7,024.23	7,127.52	0.00	278.97	-88.97	808.64	7,883.76	3,525.72	3,246.79	278.92	12.640	
11,900.00	7,127.93	7,024.64	7,127.93	0.00	278.99	-89.00	808.64	7,883.76	3,428.32	3,149.38	278.94	12.290	
12,000.00	7,128.35	7,025.06	7,128.35	0.00	279.00	-89.03	808.64	7,883.76	3,331.09	3,052.13	278.96	11.941	
12,100.00	7,128.76	7,025.47	7,128.76	0.00	279.02	-89.06	808.64	7,883.76	3,234.02	2,955.04	278.98	11.592	
12,200.00	7,129.18	7,025.89	7,129.18	0.00	279.04	-89.09	808.64	7,883.76	3,137.14	2,858.14	279.00	11.244	
12,300.00	7,129.59	7,026.30	7,129.59	0.00	279.05	-89.12	808.64	7,883.76	3,040.46	2,761.44	279.02	10.897	
12,400.00	7,130.00	7,026.71	7,130.00	0.00	279.07	-89.15	808.64	7,883.76	2,944.00	2,664.96	279.04	10.551	
12,500.00	7,130.42	7,027.13	7,130.42	0.00	279.09	-89.18	808.64	7,883.76	2,847.78	2,568.72	279.06	10.205	
12,600.00	7,130.83	7,027.54	7,130.83	0.00	279.10	-89.21	808.64	7,883.76	2,751.83	2,472.76	279.08	9.861	
12,700.00	7,131.24	7,027.95	7,131.24	0.00	279.12	-89.24	808.64	7,883.76	2,656.19	2,377.09	279.09	9.517	
12,800.00	7,131.66	7,028.37	7,131.66	0.00	279.13	-89.27	808.64	7,883.76	2,560.87	2,281.76	279.11	9.175	
12,900.00	7,132.07	7,028.78	7,132.07	0.00	279.15	-89.30	808.64	7,883.76	2,465.93	2,186.80	279.13	8.834	
13,000.00	7,132.49	7,029.20	7,132.49	0.00	279.17	-89.33	808.64	7,883.76	2,371.40	2,092.25	279.15	8.495	
13,100.00	7,132.90	7,029.61	7,132.90	0.00	279.18	-89.36	808.64	7,883.76	2,277.34	1,998.17	279.17	8.158	
13,200.00	7,133.31	7,030.02	7,133.31	0.00	279.20	-89.39	808.64	7,883.76	2,183.81	1,904.62	279.19	7.822	
13,300.00	7,133.73	7,030.44	7,133.73	0.00	279.22	-89.42	808.64	7,883.76	2,090.87	1,811.67	279.20	7.489	
13,400.00	7,134.14	7,030.85	7,134.14	0.00	279.23	-89.45	808.64	7,883.76	1,998.62	1,719.40	279.22	7.158	
13,500.00	7,134.56	7,031.27	7,134.56	0.00	279.25	-89.48	808.64	7,883.76	1,907.15	1,627.91	279.24	6.830	
13,600.00	7,134.97	7,031.68	7,134.97	0.00	279.27	-89.51	808.64	7,883.76	1,816.58	1,537.32	279.26	6.505	
13,700.00	7,135.38	7,032.09	7,135.38	0.00	279.28	-89.54	808.64	7,883.76	1,727.04	1,447.77	279.27	6.184	
13,800.00	7,135.80	7,032.51	7,135.80	0.00	279.30	-89.57	808.64	7,883.76	1,638.72	1,359.43	279.29	5.867	
13,900.00	7,136.21	7,032.92	7,136.21	0.00	279.32	-89.60	808.64	7,883.76	1,551.82	1,272.51	279.31	5.556	
14,000.00	7,136.62	7,033.33	7,136.62	0.00	279.33	-89.63	808.64	7,883.76	1,466.59	1,187.26	279.33	5.250	
14,100.00	7,137.04	7,033.75	7,137.04	0.00	279.35	-89.66	808.64	7,883.76	1,383.33	1,103.99	279.35	4.952	
14,200.00	7,137.45	7,034.16	7,137.45	0.00	279.37	-89.69	808.64	7,883.76	1,302.44	1,023.08	279.36	4.662	
14,300.00	7,137.87	7,034.58	7,137.87	0.00	279.38	-89.72	808.64	7,883.76	1,224.37	944.99	279.38	4.382	
14,400.00	7,138.28	7,034.99	7,138.28	0.00	279.40	-89.75	808.64	7,883.76	1,149.70	870.30	279.40	4.115	
14,500.00	7,138.69	7,035.40	7,138.69	0.00	279.42	-89.78	808.64	7,883.76	1,079.14	799.73	279.41	3.862	
14,600.00	7,139.11	7,035.82	7,139.11	0.00	279.43	-89.81	808.64	7,883.76	1,013.55	734.11	279.43	3.627	
14,700.00	7,139.52	7,036.23	7,139.52	0.00	279.45	-89.84	808.64	7,883.76	953.94	674.49	279.45	3.414	
14,800.00	7,139.94	7,036.65	7,139.94	0.00	279.47	-89.87	808.64	7,883.76	901.52	622.05	279.47	3.226	
14,900.00	7,140.35	7,037.06	7,140.35	0.00	279.48	-89.90	808.64	7,883.76	857.59	578.11	279.48	3.069	
15,000.00	7,140.76	7,037.47	7,140.76	0.00	279.50	-89.93	808.64	7,883.76	823.53	544.03	279.50	2.946	
15,100.00	7,141.18	7,037.89	7,141.18	0.00	279.52	-89.96	808.64	7,883.76	800.58	521.06	279.52	2.864	
15,200.00	7,141.59	7,038.30	7,141.59	0.00	279.53	-89.99	808.64	7,883.76	789.72	510.19	279.53	2.825	
15,236.36	7,141.74	7,038.45	7,141.74	0.00	279.54	-90.00	808.64	7,883.76	788.88	509.34	279.54	2.822	CC, ES, SF
15,300.00	7,142.00	7,038.71	7,142.00	0.00	279.55	-90.02	808.64	7,883.76	791.45	511.90	279.55	2.831	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	7,039.13	7,142.42	0.00	279.57	-90.05	808.64	7,883.76	805.68	526.11	279.57	2.882	
15,500.00	7,142.83	7,039.54	7,142.83	0.00	279.58	-90.08	808.64	7,883.76	831.77	552.19	279.58	2.975	
15,600.00	7,143.25	7,039.96	7,143.25	0.00	279.60	-90.11	808.64	7,883.76	868.66	589.06	279.60	3.107	
15,700.00	7,143.66	7,040.37	7,143.66	0.00	279.61	-90.14	808.64	7,883.76	915.04	635.43	279.61	3.273	
15,800.00	7,144.07	7,040.78	7,144.07	0.00	279.63	-90.17	808.64	7,883.76	969.55	689.92	279.63	3.467	
15,900.00	7,144.49	7,041.20	7,144.49	0.00	279.65	-90.20	808.64	7,883.76	1,030.90	751.25	279.65	3.686	
16,000.00	7,144.90	7,041.61	7,144.90	0.00	279.66	-90.23	808.64	7,883.76	1,097.94	818.28	279.66	3.926	
16,100.00	7,145.32	7,042.03	7,145.32	0.00	279.68	-90.26	808.64	7,883.76	1,169.70	890.02	279.68	4.182	
16,200.00	7,145.73	7,042.44	7,145.73	0.00	279.70	-90.29	808.64	7,883.76	1,245.36	965.67	279.69	4.453	
16,300.00	7,146.14	7,042.85	7,146.14	0.00	279.71	-90.32	808.64	7,883.76	1,324.26	1,044.55	279.71	4.734	
16,400.00	7,146.56	7,043.27	7,146.56	0.00	279.73	-90.35	808.64	7,883.76	1,405.84	1,126.11	279.73	5.026	
16,500.00	7,146.97	7,043.68	7,146.97	0.00	279.75	-90.38	808.64	7,883.76	1,489.67	1,209.93	279.74	5.325	
16,600.00	7,147.38	7,044.09	7,147.38	0.00	279.76	-90.41	808.64	7,883.76	1,575.38	1,295.63	279.76	5.631	
16,700.00	7,147.80	7,044.51	7,147.80	0.00	279.78	-90.44	808.64	7,883.76	1,662.70	1,382.92	279.77	5.943	
16,800.00	7,148.21	7,044.92	7,148.21	0.00	279.80	-90.47	808.64	7,883.76	1,751.36	1,471.58	279.79	6.260	
16,900.00	7,148.63	7,045.34	7,148.63	0.00	279.81	-90.50	808.64	7,883.76	1,841.20	1,561.39	279.80	6.580	
17,000.00	7,149.04	7,045.75	7,149.04	0.00	279.83	-90.53	808.64	7,883.76	1,932.03	1,652.21	279.82	6.905	
17,100.00	7,149.45	7,046.16	7,149.45	0.00	279.85	-90.56	808.64	7,883.76	2,023.72	1,743.89	279.83	7.232	
17,200.00	7,149.87	7,046.58	7,149.87	0.00	279.86	-90.59	808.64	7,883.76	2,116.17	1,836.32	279.85	7.562	
17,232.03	7,150.00	7,046.71	7,150.00	0.00	279.87	-90.60	808.64	7,883.76	2,145.93	1,866.07	279.85	7.668	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	132.32	0.00	0.00	102.13	-1,973.65	9,179.16	9,389.88				
100.00	100.00	0.00	132.32	0.00	0.00	102.13	-1,973.65	9,179.16	9,389.00				
149.25	149.25	16.93	149.25	0.00	0.34	102.13	-1,973.65	9,179.16	9,388.94	9,388.61	0.34	N/A	
200.00	200.00	67.68	200.00	0.00	1.35	102.13	-1,973.65	9,179.16	9,388.94	9,387.59	1.35	6,934.920	
300.00	300.00	100.00	232.32	0.00	2.00	102.13	-1,973.65	9,179.16	9,389.19	9,387.19	2.00	4,694.124	SF
400.00	399.98	100.00	232.32	0.00	2.00	-167.91	-1,973.65	9,179.16	9,392.15	9,390.15	2.00	4,698.340	
500.00	499.84	100.00	232.32	0.00	2.00	-167.88	-1,973.65	9,179.16	9,399.58	9,397.58	2.00	4,710.285	
600.00	599.47	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,411.24	9,409.25	1.99	4,724.365	
700.00	699.05	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,424.65	9,422.66	1.99	4,731.099	
800.00	798.62	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,439.11	9,437.11	1.99	4,738.354	
900.00	898.20	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,454.60	9,452.60	1.99	4,746.129	
1,000.00	997.77	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,471.11	9,469.12	1.99	4,754.422	
1,100.00	1,097.35	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,488.66	9,486.67	1.99	4,763.229	
1,200.00	1,196.92	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,507.22	9,505.23	1.99	4,772.548	
1,300.00	1,296.49	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,526.80	9,524.81	1.99	4,782.376	
1,400.00	1,396.07	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,547.39	9,545.39	1.99	4,792.710	
1,500.00	1,495.64	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,568.97	9,566.98	1.99	4,803.546	
1,600.00	1,595.22	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,591.55	9,589.56	1.99	4,814.880	
1,700.00	1,694.79	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,615.12	9,613.13	1.99	4,826.711	
1,800.00	1,794.37	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,639.67	9,637.67	1.99	4,839.033	
1,900.00	1,893.94	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,665.19	9,663.19	1.99	4,851.844	
2,000.00	1,993.51	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,691.67	9,689.68	1.99	4,865.138	
2,100.00	2,093.09	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,719.11	9,717.12	1.99	4,878.913	
2,200.00	2,192.66	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,747.50	9,745.51	1.99	4,893.164	
2,300.00	2,292.24	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,776.83	9,774.84	1.99	4,907.888	
2,400.00	2,391.81	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,807.09	9,805.10	1.99	4,923.079	
2,500.00	2,491.39	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,838.28	9,836.28	1.99	4,938.733	
2,600.00	2,590.96	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,870.37	9,868.38	1.99	4,954.847	
2,700.00	2,690.53	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,903.38	9,901.39	1.99	4,971.416	
2,800.00	2,790.11	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,937.28	9,935.29	1.99	4,988.434	
2,900.00	2,889.68	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,972.07	9,970.08	1.99	5,005.899	
3,000.00	2,989.26	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,007.74	10,005.75	1.99	5,023.804	
3,100.00	3,088.83	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,044.28	10,042.29	1.99	5,042.145	
3,200.00	3,188.41	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,081.67	10,079.68	1.99	5,060.918	
3,300.00	3,287.98	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,119.92	10,117.93	1.99	5,080.117	
3,400.00	3,387.56	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,159.01	10,157.02	1.99	5,099.739	
3,500.00	3,487.13	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,198.93	10,196.93	1.99	5,119.777	
3,600.00	3,586.70	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,239.66	10,237.67	1.99	5,140.228	
3,700.00	3,686.28	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,281.21	10,279.22	1.99	5,161.085	
3,800.00	3,785.85	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,323.57	10,321.57	1.99	5,182.345	
3,900.00	3,885.43	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,366.71	10,364.72	1.99	5,204.003	
4,000.00	3,985.00	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,410.63	10,408.64	1.99	5,226.053	
4,100.00	4,084.58	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,455.33	10,453.34	1.99	5,248.490	
4,200.00	4,184.15	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,500.79	10,498.80	1.99	5,271.310	
4,300.00	4,283.72	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,547.00	10,545.01	1.99	5,294.508	
4,400.00	4,383.30	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,593.95	10,591.96	1.99	5,318.078	
4,500.00	4,482.87	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,641.64	10,639.65	1.99	5,342.016	
4,600.00	4,582.45	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,690.05	10,688.06	1.99	5,366.317	
4,700.00	4,682.02	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,739.17	10,737.18	1.99	5,390.976	
4,800.00	4,781.60	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,789.00	10,787.00	1.99	5,415.988	
4,900.00	4,881.17	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,839.52	10,837.52	1.99	5,441.348	
5,000.00	4,980.74	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,890.72	10,888.73	1.99	5,467.051	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,942.59	10,940.60	1.99	5,493.093	
5,200.00	5,179.89	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,995.14	10,993.14	1.99	5,519.468	
5,300.00	5,279.47	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,048.33	11,046.34	1.99	5,546.172	
5,400.00	5,379.04	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,102.18	11,100.18	1.99	5,573.201	
5,500.00	5,478.62	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,156.65	11,154.66	1.99	5,600.549	
5,600.00	5,578.19	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,211.76	11,209.77	1.99	5,628.212	
5,700.00	5,677.77	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,267.49	11,265.49	1.99	5,656.185	
5,800.00	5,777.34	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,323.82	11,321.83	1.99	5,684.464	
5,900.00	5,876.91	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,380.75	11,378.76	1.99	5,713.044	
6,000.00	5,976.49	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,438.28	11,436.28	1.99	5,741.921	
6,100.00	6,076.06	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,496.38	11,494.39	1.99	5,771.089	
6,200.00	6,175.64	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,555.06	11,553.07	1.99	5,800.546	
6,300.00	6,275.24	100.00	232.32	0.00	2.00	-167.97	-1,973.65	9,179.16	11,614.09	11,612.10	1.99	5,823.635	
6,400.00	6,375.13	100.00	232.32	0.00	2.00	11.70	-1,973.65	9,179.16	11,668.58	11,666.58	2.00	5,837.758	
6,500.00	6,474.53	100.00	232.32	0.00	2.00	10.72	-1,973.65	9,179.16	11,712.65	11,710.68	1.97	5,937.340	
6,600.00	6,571.72	100.00	232.32	0.00	2.00	10.21	-1,973.65	9,179.16	11,745.60	11,743.69	1.91	6,137.266	
6,700.00	6,665.06	100.00	232.32	0.00	2.00	9.91	-1,973.65	9,179.16	11,766.95	11,765.13	1.82	6,454.157	
6,800.00	6,752.94	100.00	232.32	0.00	2.00	9.78	-1,973.65	9,179.16	11,776.40	11,774.70	1.70	6,916.855	
6,900.00	6,833.85	100.00	232.32	0.00	2.00	9.81	-1,973.65	9,179.16	11,773.83	11,772.27	1.55	7,573.079	
7,000.00	6,906.42	100.00	232.32	0.00	2.00	10.00	-1,973.65	9,179.16	11,759.26	11,757.87	1.38	8,501.632	
7,100.00	6,969.40	100.00	232.32	0.00	2.00	10.36	-1,973.65	9,179.16	11,732.89	11,731.70	1.19	9,834.423	
7,200.00	7,021.72	100.00	232.32	0.00	2.00	10.92	-1,973.65	9,179.16	11,695.12	11,694.13	0.99	N/A	
7,300.00	7,062.47	100.00	232.32	0.00	2.00	11.74	-1,973.65	9,179.16	11,646.46	11,645.67	0.79	N/A	
7,400.00	7,090.97	100.00	232.32	0.00	2.00	12.91	-1,973.65	9,179.16	11,587.64	11,587.01	0.62	N/A	
7,500.00	7,106.72	100.00	232.32	0.00	2.00	14.57	-1,973.65	9,179.16	11,519.49	11,518.96	0.53	N/A	
7,600.00	7,110.14	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,443.45	11,442.89	0.55	N/A	
7,700.00	7,110.55	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,365.87	11,365.32	0.55	N/A	
7,800.00	7,110.97	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,288.65	11,288.10	0.55	N/A	
7,900.00	7,111.38	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,211.79	11,211.24	0.55	N/A	
8,000.00	7,111.79	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,135.30	11,134.75	0.55	N/A	
8,100.00	7,112.21	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	11,059.19	11,058.63	0.55	N/A	
8,200.00	7,112.62	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,983.45	10,982.90	0.55	N/A	
8,300.00	7,113.03	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,908.11	10,907.55	0.55	N/A	
8,400.00	7,113.45	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,833.17	10,832.61	0.55	N/A	
8,500.00	7,113.86	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,758.63	10,758.07	0.55	N/A	
8,600.00	7,114.28	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,684.51	10,683.95	0.55	N/A	
8,700.00	7,114.69	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,610.81	10,610.26	0.55	N/A	
8,800.00	7,115.10	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,537.55	10,537.00	0.55	N/A	
8,900.00	7,115.52	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,464.73	10,464.18	0.55	N/A	
9,000.00	7,115.93	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,392.36	10,391.81	0.55	N/A	
9,100.00	7,116.35	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,320.46	10,319.90	0.55	N/A	
9,200.00	7,116.76	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,249.02	10,248.47	0.55	N/A	
9,300.00	7,117.17	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,178.07	10,177.52	0.55	N/A	
9,400.00	7,117.59	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,107.61	10,107.05	0.55	N/A	
9,500.00	7,118.00	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	10,037.65	10,037.09	0.55	N/A	
9,600.00	7,118.41	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,968.20	9,967.65	0.55	N/A	
9,700.00	7,118.83	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,899.28	9,898.72	0.55	N/A	
9,800.00	7,119.24	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,830.88	9,830.33	0.55	N/A	
9,900.00	7,119.66	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,763.04	9,762.48	0.55	N/A	
10,000.00	7,120.07	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,695.75	9,695.19	0.55	N/A	
10,100.00	7,120.48	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,629.03	9,628.47	0.55	N/A	
10,200.00	7,120.90	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,562.89	9,562.33	0.55	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,497.34	9,496.78	0.55	N/A	
10,400.00	7,121.73	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,432.39	9,431.84	0.55	N/A	
10,500.00	7,122.14	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,368.07	9,367.51	0.55	N/A	
10,600.00	7,122.55	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,304.37	9,303.82	0.55	N/A	
10,700.00	7,122.97	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,241.32	9,240.76	0.55	N/A	
10,800.00	7,123.38	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,178.92	9,178.36	0.55	N/A	
10,900.00	7,123.79	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,117.19	9,116.64	0.55	N/A	
11,000.00	7,124.21	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	9,056.15	9,055.59	0.55	N/A	
11,100.00	7,124.62	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,995.80	8,995.25	0.55	N/A	
11,200.00	7,125.04	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,936.17	8,935.61	0.55	N/A	
11,300.00	7,125.45	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,877.26	8,876.70	0.55	N/A	
11,400.00	7,125.86	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,819.09	8,818.53	0.55	N/A	
11,500.00	7,126.28	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,761.68	8,761.12	0.55	N/A	
11,600.00	7,126.69	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,705.03	8,704.48	0.55	N/A	
11,700.00	7,127.11	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,649.17	8,648.62	0.55	N/A	
11,800.00	7,127.52	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,594.12	8,593.56	0.55	N/A	
11,900.00	7,127.93	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,539.88	8,539.32	0.55	N/A	
12,000.00	7,128.35	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,486.47	8,485.91	0.55	N/A	
12,100.00	7,128.76	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,433.90	8,433.35	0.55	N/A	
12,200.00	7,129.18	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,382.20	8,381.65	0.55	N/A	
12,300.00	7,129.59	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,331.39	8,330.83	0.55	N/A	
12,400.00	7,130.00	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,281.46	8,280.91	0.55	N/A	
12,500.00	7,130.42	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,232.45	8,231.90	0.55	N/A	
12,600.00	7,130.83	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,184.37	8,183.81	0.55	N/A	
12,700.00	7,131.24	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,137.23	8,136.67	0.55	N/A	
12,800.00	7,131.66	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,091.05	8,090.50	0.55	N/A	
12,900.00	7,132.07	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,045.85	8,045.30	0.55	N/A	
13,000.00	7,132.49	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	8,001.65	8,001.09	0.55	N/A	
13,100.00	7,132.90	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,958.46	7,957.90	0.55	N/A	
13,200.00	7,133.31	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,916.29	7,915.73	0.55	N/A	
13,300.00	7,133.73	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,875.17	7,874.61	0.55	N/A	
13,400.00	7,134.14	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,835.11	7,834.55	0.55	N/A	
13,500.00	7,134.56	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,796.12	7,795.57	0.55	N/A	
13,600.00	7,134.97	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,758.23	7,757.68	0.55	N/A	
13,700.00	7,135.38	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,721.45	7,720.89	0.55	N/A	
13,800.00	7,135.80	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,685.79	7,685.24	0.55	N/A	
13,900.00	7,136.21	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,651.28	7,650.72	0.55	N/A	
14,000.00	7,136.62	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,617.92	7,617.36	0.55	N/A	
14,100.00	7,137.04	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,585.73	7,585.17	0.55	N/A	
14,200.00	7,137.45	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,554.73	7,554.17	0.55	N/A	
14,300.00	7,137.87	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,524.93	7,524.37	0.55	N/A	
14,400.00	7,138.28	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,496.34	7,495.79	0.55	N/A	
14,500.00	7,138.69	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,468.99	7,468.43	0.55	N/A	
14,600.00	7,139.11	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,442.88	7,442.32	0.55	N/A	
14,700.00	7,139.52	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,418.02	7,417.47	0.55	N/A	
14,800.00	7,139.94	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,394.44	7,393.88	0.55	N/A	
14,900.00	7,140.35	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,372.13	7,371.58	0.55	N/A	
15,000.00	7,140.76	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,351.12	7,350.56	0.55	N/A	
15,100.00	7,141.18	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,331.41	7,330.86	0.55	N/A	
15,200.00	7,141.59	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,313.02	7,312.46	0.55	N/A	
15,300.00	7,142.00	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,295.95	7,295.39	0.55	N/A	
15,400.00	7,142.42	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,280.21	7,279.66	0.55	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,265.82	7,265.26	0.55	N/A	
15,600.00	7,143.25	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,252.77	7,252.22	0.55	N/A	
15,700.00	7,143.66	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,241.09	7,240.53	0.55	N/A	
15,800.00	7,144.07	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,230.77	7,230.21	0.55	N/A	
15,900.00	7,144.49	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,221.81	7,221.26	0.55	N/A	
16,000.00	7,144.90	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,214.24	7,213.68	0.55	N/A	
16,100.00	7,145.32	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,208.04	7,207.49	0.55	N/A	
16,200.00	7,145.73	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,203.23	7,202.67	0.55	N/A	
16,300.00	7,146.14	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,199.80	7,199.24	0.55	N/A	
16,400.00	7,146.56	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,197.76	7,197.20	0.55	N/A	
16,496.86	7,146.96	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,197.11	7,196.55	0.55	N/A	CC, ES
16,500.00	7,146.97	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,197.11	7,196.55	0.55	N/A	
16,600.00	7,147.38	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,197.85	7,197.29	0.55	N/A	
16,700.00	7,147.80	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,199.97	7,199.42	0.55	N/A	
16,800.00	7,148.21	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,203.49	7,202.93	0.55	N/A	
16,900.00	7,148.63	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,208.39	7,207.83	0.55	N/A	
17,000.00	7,149.04	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,214.67	7,214.12	0.55	N/A	
17,100.00	7,149.45	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,222.34	7,221.78	0.55	N/A	
17,200.00	7,149.87	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,231.37	7,230.82	0.55	N/A	
17,232.03	7,150.00	100.00	232.32	0.00	2.00	16.10	-1,973.65	9,179.16	7,234.56	7,234.00	0.55	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	62.65	0.00	0.00	1.25	82.22	877.63	6,427.45	6,487.09				
100.00	100.00	162.65	100.00	0.00	4.51	82.22	877.63	6,427.45	6,487.09	6,482.58	4.51	1,439.592	
200.00	200.00	262.65	200.00	0.00	8.51	82.22	877.63	6,427.45	6,487.09	6,478.58	8.51	762.631	
300.00	300.00	362.65	300.00	0.00	12.51	82.22	877.63	6,427.45	6,487.09	6,474.58	12.51	518.710	
400.00	399.98	462.63	399.98	0.00	16.51	172.17	877.63	6,427.45	6,488.82	6,472.32	16.50	393.369	
500.00	499.84	562.49	499.84	0.00	20.50	172.16	877.63	6,427.45	6,494.00	6,473.55	20.45	317.544	
600.00	599.47	662.12	599.47	0.00	24.48	172.16	877.63	6,427.45	6,502.42	6,478.04	24.38	266.680	
700.00	699.05	761.70	699.05	0.00	28.47	172.17	877.63	6,427.45	6,511.55	6,483.20	28.35	229.691	
800.00	798.62	861.27	798.62	0.00	32.45	172.18	877.63	6,427.45	6,520.68	6,488.37	32.32	201.782	
900.00	898.20	960.85	898.20	0.00	36.43	172.19	877.63	6,427.45	6,529.82	6,493.53	36.28	179.975	
1,000.00	997.77	1,060.42	997.77	0.00	40.42	172.20	877.63	6,427.45	6,538.95	6,498.70	40.25	162.466	
1,100.00	1,097.35	1,160.00	1,097.35	0.00	44.40	172.21	877.63	6,427.45	6,548.08	6,503.87	44.21	148.098	
1,200.00	1,196.92	1,259.57	1,196.92	0.00	48.38	172.22	877.63	6,427.45	6,557.21	6,509.03	48.18	136.096	
1,300.00	1,296.49	1,359.14	1,296.49	0.00	52.37	172.23	877.63	6,427.45	6,566.35	6,514.20	52.15	125.920	
1,400.00	1,396.07	1,458.72	1,396.07	0.00	56.35	172.24	877.63	6,427.45	6,575.48	6,519.36	56.11	117.182	
1,500.00	1,495.64	1,558.29	1,495.64	0.00	60.33	172.25	877.63	6,427.45	6,584.61	6,524.53	60.08	109.598	
1,600.00	1,595.22	1,657.87	1,595.22	0.00	64.31	172.26	877.63	6,427.45	6,593.74	6,529.70	64.05	102.953	
1,700.00	1,694.79	1,757.44	1,694.79	0.00	68.30	172.28	877.63	6,427.45	6,602.88	6,534.87	68.01	97.083	
1,800.00	1,794.37	1,857.02	1,794.37	0.00	72.28	172.29	877.63	6,427.45	6,612.01	6,540.03	71.98	91.861	
1,900.00	1,893.94	1,956.59	1,893.94	0.00	76.26	172.30	877.63	6,427.45	6,621.15	6,545.20	75.95	87.183	
2,000.00	1,993.51	2,056.16	1,993.51	0.00	80.25	172.31	877.63	6,427.45	6,630.28	6,550.37	79.91	82.970	
2,100.00	2,093.09	2,155.74	2,093.09	0.00	84.23	172.32	877.63	6,427.45	6,639.42	6,555.54	83.88	79.156	
2,200.00	2,192.66	2,255.31	2,192.66	0.00	88.21	172.33	877.63	6,427.45	6,648.55	6,560.71	87.84	75.686	
2,300.00	2,292.24	2,354.89	2,292.24	0.00	92.20	172.34	877.63	6,427.45	6,657.69	6,565.88	91.81	72.516	
2,400.00	2,391.81	2,454.46	2,391.81	0.00	96.18	172.35	877.63	6,427.45	6,666.82	6,571.04	95.78	69.608	
2,500.00	2,491.39	2,554.04	2,491.39	0.00	100.16	172.36	877.63	6,427.45	6,675.96	6,576.21	99.74	66.932	
2,600.00	2,590.96	2,653.61	2,590.96	0.00	104.14	172.37	877.63	6,427.45	6,685.09	6,581.38	103.71	64.460	
2,700.00	2,690.53	2,753.18	2,690.53	0.00	108.13	172.38	877.63	6,427.45	6,694.23	6,586.55	107.68	62.170	
2,800.00	2,790.11	2,852.76	2,790.11	0.00	112.11	172.39	877.63	6,427.45	6,703.36	6,591.72	111.64	60.044	
2,900.00	2,889.68	2,952.33	2,889.68	0.00	116.09	172.40	877.63	6,427.45	6,712.50	6,596.89	115.61	58.063	
3,000.00	2,989.26	3,051.91	2,989.26	0.00	120.08	172.41	877.63	6,427.45	6,721.64	6,602.06	119.57	56.213	
3,100.00	3,088.83	3,151.48	3,088.83	0.00	124.06	172.42	877.63	6,427.45	6,730.77	6,607.23	123.54	54.482	
3,200.00	3,188.41	3,251.06	3,188.41	0.00	128.04	172.43	877.63	6,427.45	6,739.91	6,612.40	127.51	52.859	
3,300.00	3,287.98	3,350.63	3,287.98	0.00	132.03	172.44	877.63	6,427.45	6,749.05	6,617.58	131.47	51.334	
3,400.00	3,387.56	3,450.21	3,387.56	0.00	136.01	172.45	877.63	6,427.45	6,758.19	6,622.75	135.44	49.898	
3,500.00	3,487.13	3,549.78	3,487.13	0.00	139.99	172.46	877.63	6,427.45	6,767.32	6,627.92	139.41	48.544	
3,600.00	3,586.70	3,649.35	3,586.70	0.00	143.97	172.47	877.63	6,427.45	6,776.46	6,633.09	143.37	47.265	
3,700.00	3,686.28	3,748.93	3,686.28	0.00	147.96	172.48	877.63	6,427.45	6,785.60	6,638.26	147.34	46.055	
3,800.00	3,785.85	3,848.50	3,785.85	0.00	151.94	172.49	877.63	6,427.45	6,794.74	6,643.43	151.30	44.908	
3,900.00	3,885.43	3,948.08	3,885.43	0.00	155.92	172.50	877.63	6,427.45	6,803.88	6,648.61	155.27	43.819	
4,000.00	3,985.00	4,047.65	3,985.00	0.00	159.91	172.51	877.63	6,427.45	6,813.02	6,653.78	159.24	42.785	
4,100.00	4,084.58	4,147.23	4,084.58	0.00	163.89	172.52	877.63	6,427.45	6,822.15	6,658.95	163.20	41.802	
4,200.00	4,184.15	4,246.80	4,184.15	0.00	167.87	172.53	877.63	6,427.45	6,831.29	6,664.12	167.17	40.864	
4,300.00	4,283.72	4,346.37	4,283.72	0.00	171.85	172.54	877.63	6,427.45	6,840.43	6,669.30	171.14	39.971	
4,400.00	4,383.30	4,445.95	4,383.30	0.00	175.84	172.55	877.63	6,427.45	6,849.57	6,674.47	175.10	39.118	
4,500.00	4,482.87	4,545.52	4,482.87	0.00	179.82	172.56	877.63	6,427.45	6,858.71	6,679.64	179.07	38.302	
4,600.00	4,582.45	4,645.10	4,582.45	0.00	183.80	172.57	877.63	6,427.45	6,867.85	6,684.82	183.03	37.522	
4,700.00	4,682.02	4,744.67	4,682.02	0.00	187.79	172.58	877.63	6,427.45	6,876.99	6,689.99	187.00	36.775	
4,800.00	4,781.60	4,844.25	4,781.60	0.00	191.77	172.59	877.63	6,427.45	6,886.13	6,695.17	190.97	36.059	
4,900.00	4,881.17	4,943.82	4,881.17	0.00	195.75	172.60	877.63	6,427.45	6,895.27	6,700.34	194.93	35.372	
5,000.00	4,980.74	5,043.39	4,980.74	0.00	199.74	172.61	877.63	6,427.45	6,904.41	6,705.52	198.90	34.713	
5,100.00	5,080.32	5,142.97	5,080.32	0.00	203.72	172.62	877.63	6,427.45	6,913.56	6,710.69	202.87	34.079	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,242.54	5,179.89	0.00	207.70	172.63	877.63	6,427.45	6,922.70	6,715.86	206.83	33.470	
5,300.00	5,279.47	5,342.12	5,279.47	0.00	211.68	172.64	877.63	6,427.45	6,931.84	6,721.04	210.80	32.884	
5,400.00	5,379.04	5,441.69	5,379.04	0.00	215.67	172.65	877.63	6,427.45	6,940.98	6,726.22	214.76	32.319	
5,500.00	5,478.62	5,541.27	5,478.62	0.00	219.65	172.66	877.63	6,427.45	6,950.12	6,731.39	218.73	31.775	
5,600.00	5,578.19	5,640.84	5,578.19	0.00	223.63	172.67	877.63	6,427.45	6,959.26	6,736.57	222.70	31.250	
5,700.00	5,677.77	5,740.42	5,677.77	0.00	227.62	172.68	877.63	6,427.45	6,968.41	6,741.74	226.66	30.743	
5,800.00	5,777.34	5,839.99	5,777.34	0.00	231.60	172.69	877.63	6,427.45	6,977.55	6,746.92	230.63	30.254	
5,900.00	5,876.91	5,939.56	5,876.91	0.00	235.58	172.70	877.63	6,427.45	6,986.69	6,752.10	234.60	29.782	
6,000.00	5,976.49	6,039.14	5,976.49	0.00	239.57	172.71	877.63	6,427.45	6,995.83	6,757.27	238.56	29.325	
6,100.00	6,076.06	6,138.71	6,076.06	0.00	243.55	172.72	877.63	6,427.45	7,004.98	6,762.45	242.53	28.883	
6,200.00	6,175.64	6,238.29	6,175.64	0.00	247.53	172.73	877.63	6,427.45	7,014.12	6,767.63	246.49	28.455	
6,300.00	6,275.24	6,337.89	6,275.24	0.00	251.52	172.75	877.63	6,427.45	7,023.00	6,772.24	250.75	28.008	
6,400.00	6,375.13	6,437.78	6,375.13	0.00	255.51	-6.69	877.63	6,427.45	7,025.60	6,770.27	255.33	27.516	
6,500.00	6,474.53	6,537.18	6,474.53	0.00	259.49	-7.07	877.63	6,427.45	7,015.35	6,759.51	255.85	27.420	
6,600.00	6,571.72	6,634.37	6,571.72	0.00	263.37	-7.36	877.63	6,427.45	6,992.32	6,740.50	251.82	27.767	
6,700.00	6,665.06	6,727.71	6,665.06	0.00	267.11	-7.79	877.63	6,427.45	6,956.89	6,713.71	243.18	28.608	
6,800.00	6,752.94	6,815.59	6,752.94	0.00	270.62	-8.42	877.63	6,427.45	6,909.68	6,679.66	230.02	30.040	
6,900.00	6,833.85	6,896.50	6,833.85	0.00	273.86	-9.33	877.63	6,427.45	6,851.50	6,638.84	212.66	32.217	
7,000.00	6,906.42	6,969.07	6,906.42	0.00	276.76	-10.65	877.63	6,427.45	6,783.35	6,591.53	191.82	35.364	
7,100.00	6,969.40	7,032.05	6,969.40	0.00	279.28	-12.61	877.63	6,427.45	6,706.40	6,537.45	168.95	39.694	
7,200.00	7,021.72	7,084.37	7,021.72	0.00	281.37	-15.68	877.63	6,427.45	6,621.97	6,474.43	147.54	44.882	
7,300.00	7,062.47	7,125.12	7,062.47	0.00	283.00	-20.95	877.63	6,427.45	6,531.52	6,394.92	136.60	47.816	
7,400.00	7,090.97	7,153.62	7,090.97	0.00	284.14	-31.31	877.63	6,427.45	6,436.59	6,279.41	157.18	40.952	
7,500.00	7,106.72	7,169.37	7,106.72	0.00	284.77	-55.93	877.63	6,427.45	6,338.81	6,102.44	236.37	26.817	
7,600.00	7,110.14	7,172.79	7,110.14	0.00	284.91	-88.30	877.63	6,427.45	6,239.85	5,955.06	284.79	21.911	
7,700.00	7,110.55	7,173.20	7,110.55	0.00	284.93	-88.33	877.63	6,427.45	6,140.82	5,856.02	284.81	21.561	
7,800.00	7,110.97	7,173.62	7,110.97	0.00	284.94	-88.35	877.63	6,427.45	6,041.83	5,757.00	284.83	21.212	
7,900.00	7,111.38	7,174.03	7,111.38	0.00	284.96	-88.38	877.63	6,427.45	5,942.87	5,658.02	284.85	20.863	
8,000.00	7,111.79	7,174.44	7,111.79	0.00	284.98	-88.41	877.63	6,427.45	5,843.94	5,559.07	284.87	20.515	
8,100.00	7,112.21	7,174.86	7,112.21	0.00	284.99	-88.44	877.63	6,427.45	5,745.05	5,460.16	284.89	20.166	
8,200.00	7,112.62	7,175.27	7,112.62	0.00	285.01	-88.46	877.63	6,427.45	5,646.20	5,361.29	284.91	19.818	
8,300.00	7,113.03	7,175.68	7,113.03	0.00	285.03	-88.49	877.63	6,427.45	5,547.40	5,262.47	284.93	19.469	
8,400.00	7,113.45	7,176.10	7,113.45	0.00	285.04	-88.52	877.63	6,427.45	5,448.63	5,163.68	284.95	19.121	
8,500.00	7,113.86	7,176.51	7,113.86	0.00	285.06	-88.55	877.63	6,427.45	5,349.91	5,064.94	284.97	18.774	
8,600.00	7,114.28	7,176.93	7,114.28	0.00	285.08	-88.57	877.63	6,427.45	5,251.24	4,966.25	284.99	18.426	
8,700.00	7,114.69	7,177.34	7,114.69	0.00	285.09	-88.60	877.63	6,427.45	5,152.62	4,867.61	285.01	18.079	
8,800.00	7,115.10	7,177.75	7,115.10	0.00	285.11	-88.63	877.63	6,427.45	5,054.06	4,769.03	285.03	17.732	
8,900.00	7,115.52	7,178.17	7,115.52	0.00	285.13	-88.66	877.63	6,427.45	4,955.55	4,670.50	285.05	17.385	
9,000.00	7,115.93	7,178.58	7,115.93	0.00	285.14	-88.68	877.63	6,427.45	4,857.10	4,572.03	285.07	17.038	
9,100.00	7,116.35	7,179.00	7,116.35	0.00	285.16	-88.71	877.63	6,427.45	4,758.72	4,473.63	285.09	16.692	
9,200.00	7,116.76	7,179.41	7,116.76	0.00	285.18	-88.74	877.63	6,427.45	4,660.41	4,375.30	285.11	16.346	
9,300.00	7,117.17	7,179.82	7,117.17	0.00	285.19	-88.77	877.63	6,427.45	4,562.17	4,277.04	285.13	16.000	
9,400.00	7,117.59	7,180.24	7,117.59	0.00	285.21	-88.79	877.63	6,427.45	4,464.01	4,178.86	285.15	15.655	
9,500.00	7,118.00	7,180.65	7,118.00	0.00	285.23	-88.82	877.63	6,427.45	4,365.93	4,080.76	285.17	15.310	
9,600.00	7,118.41	7,181.06	7,118.41	0.00	285.24	-88.85	877.63	6,427.45	4,267.94	3,982.75	285.19	14.965	
9,700.00	7,118.83	7,181.48	7,118.83	0.00	285.26	-88.88	877.63	6,427.45	4,170.05	3,884.84	285.20	14.621	
9,800.00	7,119.24	7,181.89	7,119.24	0.00	285.28	-88.90	877.63	6,427.45	4,072.25	3,787.03	285.22	14.277	
9,900.00	7,119.66	7,182.31	7,119.66	0.00	285.29	-88.93	877.63	6,427.45	3,974.57	3,689.33	285.24	13.934	
10,000.00	7,120.07	7,182.72	7,120.07	0.00	285.31	-88.96	877.63	6,427.45	3,877.01	3,591.75	285.26	13.591	
10,100.00	7,120.48	7,183.13	7,120.48	0.00	285.33	-88.99	877.63	6,427.45	3,779.57	3,494.29	285.28	13.249	
10,200.00	7,120.90	7,183.55	7,120.90	0.00	285.34	-89.01	877.63	6,427.45	3,682.28	3,396.98	285.30	12.907	
10,300.00	7,121.31	7,183.96	7,121.31	0.00	285.36	-89.04	877.63	6,427.45	3,585.13	3,299.81	285.32	12.565	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	7,184.38	7,121.73	0.00	285.38	-89.07	877.63	6,427.45	3,488.14	3,202.80	285.34	12.225	
10,500.00	7,122.14	7,184.79	7,122.14	0.00	285.39	-89.10	877.63	6,427.45	3,391.32	3,105.97	285.36	11.885	
10,600.00	7,122.55	7,185.20	7,122.55	0.00	285.41	-89.12	877.63	6,427.45	3,294.70	3,009.33	285.38	11.545	
10,700.00	7,122.97	7,185.62	7,122.97	0.00	285.42	-89.15	877.63	6,427.45	3,198.28	2,912.89	285.39	11.207	
10,800.00	7,123.38	7,186.03	7,123.38	0.00	285.44	-89.18	877.63	6,427.45	3,102.10	2,816.68	285.41	10.869	
10,900.00	7,123.79	7,186.44	7,123.79	0.00	285.46	-89.21	877.63	6,427.45	3,006.15	2,720.72	285.43	10.532	
11,000.00	7,124.21	7,186.86	7,124.21	0.00	285.47	-89.23	877.63	6,427.45	2,910.49	2,625.04	285.45	10.196	
11,100.00	7,124.62	7,187.27	7,124.62	0.00	285.49	-89.26	877.63	6,427.45	2,815.12	2,529.65	285.47	9.861	
11,200.00	7,125.04	7,187.69	7,125.04	0.00	285.51	-89.29	877.63	6,427.45	2,720.09	2,434.60	285.49	9.528	
11,300.00	7,125.45	7,188.10	7,125.45	0.00	285.52	-89.32	877.63	6,427.45	2,625.42	2,339.92	285.50	9.196	
11,400.00	7,125.86	7,188.51	7,125.86	0.00	285.54	-89.34	877.63	6,427.45	2,531.17	2,245.65	285.52	8.865	
11,500.00	7,126.28	7,188.93	7,126.28	0.00	285.56	-89.37	877.63	6,427.45	2,437.37	2,151.83	285.54	8.536	
11,600.00	7,126.69	7,189.34	7,126.69	0.00	285.57	-89.40	877.63	6,427.45	2,344.09	2,058.53	285.56	8.209	
11,700.00	7,127.11	7,189.76	7,127.11	0.00	285.59	-89.43	877.63	6,427.45	2,251.38	1,965.81	285.58	7.884	
11,800.00	7,127.52	7,190.17	7,127.52	0.00	285.61	-89.45	877.63	6,427.45	2,159.33	1,873.73	285.59	7.561	
11,900.00	7,127.93	7,190.58	7,127.93	0.00	285.62	-89.48	877.63	6,427.45	2,068.01	1,782.40	285.61	7.241	
12,000.00	7,128.35	7,191.00	7,128.35	0.00	285.64	-89.51	877.63	6,427.45	1,977.53	1,691.90	285.63	6.923	
12,100.00	7,128.76	7,191.41	7,128.76	0.00	285.66	-89.54	877.63	6,427.45	1,888.01	1,602.37	285.65	6.610	
12,200.00	7,129.18	7,191.83	7,129.18	0.00	285.67	-89.56	877.63	6,427.45	1,799.60	1,513.94	285.66	6.300	
12,300.00	7,129.59	7,192.24	7,129.59	0.00	285.69	-89.59	877.63	6,427.45	1,712.46	1,426.78	285.68	5.994	
12,400.00	7,130.00	7,192.65	7,130.00	0.00	285.71	-89.62	877.63	6,427.45	1,626.81	1,341.11	285.70	5.694	
12,500.00	7,130.42	7,193.07	7,130.42	0.00	285.72	-89.65	877.63	6,427.45	1,542.88	1,257.16	285.72	5.400	
12,600.00	7,130.83	7,193.48	7,130.83	0.00	285.74	-89.68	877.63	6,427.45	1,460.97	1,175.23	285.73	5.113	
12,700.00	7,131.24	7,193.89	7,131.24	0.00	285.76	-89.70	877.63	6,427.45	1,381.45	1,095.70	285.75	4.834	
12,800.00	7,131.66	7,194.31	7,131.66	0.00	285.77	-89.73	877.63	6,427.45	1,304.75	1,018.98	285.77	4.566	
12,900.00	7,132.07	7,194.72	7,132.07	0.00	285.79	-89.76	877.63	6,427.45	1,231.39	945.61	285.79	4.309	
13,000.00	7,132.49	7,195.14	7,132.49	0.00	285.81	-89.79	877.63	6,427.45	1,162.02	876.22	285.80	4.066	
13,100.00	7,132.90	7,195.55	7,132.90	0.00	285.82	-89.81	877.63	6,427.45	1,097.39	811.56	285.82	3.839	
13,200.00	7,133.31	7,195.96	7,133.31	0.00	285.84	-89.84	877.63	6,427.45	1,038.37	752.54	285.84	3.633	
13,300.00	7,133.73	7,196.38	7,133.73	0.00	285.86	-89.87	877.63	6,427.45	985.99	700.14	285.85	3.449	
13,400.00	7,134.14	7,196.79	7,134.14	0.00	285.87	-89.90	877.63	6,427.45	941.35	655.48	285.87	3.293	
13,500.00	7,134.56	7,197.21	7,134.56	0.00	285.89	-89.92	877.63	6,427.45	905.60	619.71	285.89	3.168	
13,600.00	7,134.97	7,197.62	7,134.97	0.00	285.90	-89.95	877.63	6,427.45	879.81	593.91	285.90	3.077	
13,700.00	7,135.38	7,198.03	7,135.38	0.00	285.92	-89.98	877.63	6,427.45	864.89	578.97	285.92	3.025	
13,780.19	7,135.71	7,198.36	7,135.71	0.00	285.93	-90.00	877.63	6,427.45	861.16	575.23	285.93	3.012	CC, ES, SF
13,800.00	7,135.80	7,198.45	7,135.80	0.00	285.94	-90.01	877.63	6,427.45	861.39	575.45	285.94	3.013	
13,900.00	7,136.21	7,198.86	7,136.21	0.00	285.95	-90.03	877.63	6,427.45	869.46	583.50	285.95	3.041	
14,000.00	7,136.62	7,199.27	7,136.62	0.00	285.97	-90.06	877.63	6,427.45	888.77	602.80	285.97	3.108	
14,100.00	7,137.04	7,199.69	7,137.04	0.00	285.99	-90.09	877.63	6,427.45	918.63	632.64	285.99	3.212	
14,200.00	7,137.45	7,200.10	7,137.45	0.00	286.00	-90.12	877.63	6,427.45	958.04	672.03	286.00	3.350	
14,300.00	7,137.87	7,200.52	7,137.87	0.00	286.02	-90.14	877.63	6,427.45	1,005.88	719.86	286.02	3.517	
14,400.00	7,138.28	7,200.93	7,138.28	0.00	286.04	-90.17	877.63	6,427.45	1,061.02	774.98	286.04	3.709	
14,500.00	7,138.69	7,201.34	7,138.69	0.00	286.05	-90.20	877.63	6,427.45	1,122.37	836.32	286.05	3.924	
14,600.00	7,139.11	7,201.76	7,139.11	0.00	286.07	-90.23	877.63	6,427.45	1,188.98	902.91	286.07	4.156	
14,700.00	7,139.52	7,202.17	7,139.52	0.00	286.09	-90.25	877.63	6,427.45	1,260.01	973.93	286.08	4.404	
14,800.00	7,139.94	7,202.59	7,139.94	0.00	286.10	-90.28	877.63	6,427.45	1,334.76	1,048.66	286.10	4.665	
14,900.00	7,140.35	7,203.00	7,140.35	0.00	286.12	-90.31	877.63	6,427.45	1,412.64	1,126.52	286.12	4.937	
15,000.00	7,140.76	7,203.41	7,140.76	0.00	286.14	-90.34	877.63	6,427.45	1,493.15	1,207.02	286.13	5.218	
15,100.00	7,141.18	7,203.83	7,141.18	0.00	286.15	-90.36	877.63	6,427.45	1,575.90	1,289.75	286.15	5.507	
15,200.00	7,141.59	7,204.24	7,141.59	0.00	286.17	-90.39	877.63	6,427.45	1,660.55	1,374.39	286.16	5.803	
15,300.00	7,142.00	7,204.65	7,142.00	0.00	286.19	-90.42	877.63	6,427.45	1,746.82	1,460.64	286.18	6.104	
15,400.00	7,142.42	7,205.07	7,142.42	0.00	286.20	-90.45	877.63	6,427.45	1,834.48	1,548.29	286.19	6.410	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,205.48	7,142.83	0.00	286.22	-90.47	877.63	6,427.45	1,923.35	1,637.14	286.21	6.720	
15,600.00	7,143.25	7,205.90	7,143.25	0.00	286.24	-90.50	877.63	6,427.45	2,013.27	1,727.04	286.23	7.034	
15,700.00	7,143.66	7,206.31	7,143.66	0.00	286.25	-90.53	877.63	6,427.45	2,104.09	1,817.85	286.24	7.351	
15,800.00	7,144.07	7,206.72	7,144.07	0.00	286.27	-90.56	877.63	6,427.45	2,195.71	1,909.46	286.26	7.670	
15,900.00	7,144.49	7,207.14	7,144.49	0.00	286.29	-90.58	877.63	6,427.45	2,288.04	2,001.77	286.27	7.993	
16,000.00	7,144.90	7,207.55	7,144.90	0.00	286.30	-90.61	877.63	6,427.45	2,380.98	2,094.69	286.29	8.317	
16,100.00	7,145.32	7,207.97	7,145.32	0.00	286.32	-90.64	877.63	6,427.45	2,474.47	2,188.17	286.30	8.643	
16,200.00	7,145.73	7,208.38	7,145.73	0.00	286.34	-90.67	877.63	6,427.45	2,568.46	2,282.14	286.32	8.971	
16,300.00	7,146.14	7,208.79	7,146.14	0.00	286.35	-90.69	877.63	6,427.45	2,662.88	2,376.55	286.33	9.300	
16,400.00	7,146.56	7,209.21	7,146.56	0.00	286.37	-90.72	877.63	6,427.45	2,757.69	2,471.35	286.35	9.631	
16,500.00	7,146.97	7,209.62	7,146.97	0.00	286.38	-90.75	877.63	6,427.45	2,852.86	2,566.50	286.36	9.962	
16,600.00	7,147.38	7,210.03	7,147.38	0.00	286.40	-90.78	877.63	6,427.45	2,948.35	2,661.98	286.38	10.295	
16,700.00	7,147.80	7,210.45	7,147.80	0.00	286.42	-90.80	877.63	6,427.45	3,044.13	2,757.74	286.39	10.629	
16,800.00	7,148.21	7,210.86	7,148.21	0.00	286.43	-90.83	877.63	6,427.45	3,140.17	2,853.77	286.40	10.964	
16,900.00	7,148.63	7,211.28	7,148.63	0.00	286.45	-90.86	877.63	6,427.45	3,236.45	2,950.04	286.42	11.300	
17,000.00	7,149.04	7,211.69	7,149.04	0.00	286.47	-90.89	877.63	6,427.45	3,332.95	3,046.52	286.43	11.636	
17,100.00	7,149.45	7,212.10	7,149.45	0.00	286.48	-90.91	877.63	6,427.45	3,429.66	3,143.21	286.45	11.973	
17,200.00	7,149.87	7,212.52	7,149.87	0.00	286.50	-90.94	877.63	6,427.45	3,526.54	3,240.08	286.46	12.311	
17,232.03	7,150.00	7,212.65	7,150.00	0.00	286.51	-90.95	877.63	6,427.45	3,557.61	3,271.15	286.47	12.419	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	12.66	0.00	0.00	0.25	18.89	2,896.37	991.36	3,061.33				
100.00	100.00	112.66	100.00	0.00	2.51	18.89	2,896.37	991.36	3,061.33	3,058.83	2.51	1,221.308	
200.00	200.00	212.66	200.00	0.00	6.51	18.89	2,896.37	991.36	3,061.33	3,054.83	6.51	470.496	
300.00	300.00	312.66	300.00	0.00	10.51	18.89	2,896.37	991.36	3,061.33	3,050.83	10.51	291.372	CC
400.00	399.98	412.64	399.98	0.00	14.51	108.86	2,896.37	991.36	3,061.90	3,047.39	14.50	211.094	
500.00	499.84	512.50	499.84	0.00	18.50	108.92	2,896.37	991.36	3,063.59	3,045.10	18.50	165.641	
600.00	599.47	612.13	599.47	0.00	22.49	109.04	2,896.37	991.36	3,066.36	3,043.89	22.48	136.432	
700.00	699.05	711.71	699.05	0.00	26.47	109.20	2,896.37	991.36	3,069.39	3,042.94	26.46	116.017	
800.00	798.62	811.28	798.62	0.00	30.45	109.36	2,896.37	991.36	3,072.45	3,042.01	30.44	100.944	
900.00	898.20	910.86	898.20	0.00	34.43	109.52	2,896.37	991.36	3,075.53	3,041.11	34.42	89.358	
1,000.00	997.77	1,010.43	997.77	0.00	38.42	109.68	2,896.37	991.36	3,078.63	3,040.23	38.40	80.175	
1,100.00	1,097.35	1,110.01	1,097.35	0.00	42.40	109.84	2,896.37	991.36	3,081.76	3,039.38	42.38	72.718	
1,200.00	1,196.92	1,209.58	1,196.92	0.00	46.38	110.01	2,896.37	991.36	3,084.91	3,038.55	46.36	66.542	
1,300.00	1,296.49	1,309.15	1,296.49	0.00	50.37	110.17	2,896.37	991.36	3,088.09	3,037.75	50.34	61.344	
1,400.00	1,396.07	1,408.73	1,396.07	0.00	54.35	110.32	2,896.37	991.36	3,091.29	3,036.97	54.32	56.907	
1,500.00	1,495.64	1,508.30	1,495.64	0.00	58.33	110.48	2,896.37	991.36	3,094.52	3,036.22	58.30	53.077	
1,600.00	1,595.22	1,607.88	1,595.22	0.00	62.32	110.64	2,896.37	991.36	3,097.77	3,035.48	62.28	49.737	
1,700.00	1,694.79	1,707.45	1,694.79	0.00	66.30	110.80	2,896.37	991.36	3,101.04	3,034.78	66.26	46.799	
1,800.00	1,794.37	1,807.03	1,794.37	0.00	70.28	110.96	2,896.37	991.36	3,104.34	3,034.10	70.24	44.194	
1,900.00	1,893.94	1,906.60	1,893.94	0.00	74.26	111.12	2,896.37	991.36	3,107.66	3,033.44	74.22	41.869	
2,000.00	1,993.51	2,006.17	1,993.51	0.00	78.25	111.28	2,896.37	991.36	3,111.00	3,032.80	78.20	39.781	
2,100.00	2,093.09	2,105.75	2,093.09	0.00	82.23	111.43	2,896.37	991.36	3,114.37	3,032.19	82.18	37.895	
2,200.00	2,192.66	2,205.32	2,192.66	0.00	86.21	111.59	2,896.37	991.36	3,117.77	3,031.60	86.16	36.184	
2,300.00	2,292.24	2,304.90	2,292.24	0.00	90.20	111.75	2,896.37	991.36	3,121.18	3,031.04	90.14	34.625	
2,400.00	2,391.81	2,404.47	2,391.81	0.00	94.18	111.90	2,896.37	991.36	3,124.62	3,030.50	94.12	33.197	
2,500.00	2,491.39	2,504.05	2,491.39	0.00	98.16	112.06	2,896.37	991.36	3,128.08	3,029.98	98.10	31.886	
2,600.00	2,590.96	2,603.62	2,590.96	0.00	102.14	112.22	2,896.37	991.36	3,131.57	3,029.49	102.08	30.677	
2,700.00	2,690.53	2,703.19	2,690.53	0.00	106.13	112.37	2,896.37	991.36	3,135.08	3,029.02	106.06	29.559	
2,800.00	2,790.11	2,802.77	2,790.11	0.00	110.11	112.53	2,896.37	991.36	3,138.61	3,028.57	110.04	28.522	
2,900.00	2,889.68	2,902.34	2,889.68	0.00	114.09	112.68	2,896.37	991.36	3,142.17	3,028.14	114.02	27.558	
3,000.00	2,989.26	3,001.92	2,989.26	0.00	118.08	112.84	2,896.37	991.36	3,145.74	3,027.74	118.00	26.659	
3,100.00	3,088.83	3,101.49	3,088.83	0.00	122.06	112.99	2,896.37	991.36	3,149.35	3,027.37	121.98	25.818	
3,200.00	3,188.41	3,201.07	3,188.41	0.00	126.04	113.14	2,896.37	991.36	3,152.97	3,027.01	125.96	25.031	
3,300.00	3,287.98	3,300.64	3,287.98	0.00	130.03	113.30	2,896.37	991.36	3,156.62	3,026.68	129.94	24.293	
3,400.00	3,387.56	3,400.22	3,387.56	0.00	134.01	113.45	2,896.37	991.36	3,160.29	3,026.37	133.92	23.599	
3,500.00	3,487.13	3,499.79	3,487.13	0.00	137.99	113.60	2,896.37	991.36	3,163.98	3,026.08	137.90	22.944	
3,600.00	3,586.70	3,599.36	3,586.70	0.00	141.97	113.75	2,896.37	991.36	3,167.69	3,025.82	141.88	22.327	
3,700.00	3,686.28	3,698.94	3,686.28	0.00	145.96	113.91	2,896.37	991.36	3,171.43	3,025.57	145.86	21.744	
3,800.00	3,785.85	3,798.51	3,785.85	0.00	149.94	114.06	2,896.37	991.36	3,175.19	3,025.36	149.83	21.191	
3,900.00	3,885.43	3,898.09	3,885.43	0.00	153.92	114.21	2,896.37	991.36	3,178.97	3,025.16	153.81	20.668	
4,000.00	3,985.00	3,997.66	3,985.00	0.00	157.91	114.36	2,896.37	991.36	3,182.78	3,024.98	157.79	20.171	
4,100.00	4,084.58	4,097.24	4,084.58	0.00	161.89	114.51	2,896.37	991.36	3,186.60	3,024.83	161.77	19.698	
4,200.00	4,184.15	4,196.81	4,184.15	0.00	165.87	114.66	2,896.37	991.36	3,190.45	3,024.70	165.75	19.249	
4,300.00	4,283.72	4,296.38	4,283.72	0.00	169.86	114.81	2,896.37	991.36	3,194.32	3,024.59	169.73	18.820	
4,400.00	4,383.30	4,395.96	4,383.30	0.00	173.84	114.96	2,896.37	991.36	3,198.21	3,024.50	173.71	18.412	
4,500.00	4,482.87	4,495.53	4,482.87	0.00	177.82	115.11	2,896.37	991.36	3,202.13	3,024.44	177.69	18.021	
4,600.00	4,582.45	4,595.11	4,582.45	0.00	181.80	115.26	2,896.37	991.36	3,206.06	3,024.40	181.66	17.648	
4,700.00	4,682.02	4,694.68	4,682.02	0.00	185.79	115.40	2,896.37	991.36	3,210.02	3,024.38	185.64	17.291	
4,800.00	4,781.60	4,794.26	4,781.60	0.00	189.77	115.55	2,896.37	991.36	3,214.00	3,024.38	189.62	16.950	
4,900.00	4,881.17	4,893.83	4,881.17	0.00	193.75	115.70	2,896.37	991.36	3,218.00	3,024.40	193.60	16.622	
5,000.00	4,980.74	4,993.40	4,980.74	0.00	197.74	115.85	2,896.37	991.36	3,222.02	3,024.44	197.58	16.308	
5,100.00	5,080.32	5,092.98	5,080.32	0.00	201.72	115.99	2,896.37	991.36	3,226.06	3,024.51	201.55	16.006	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,192.55	5,179.89	0.00	205.70	116.14	2,896.37	991.36	3,230.12	3,024.59	205.53	15.716	
5,300.00	5,279.47	5,292.13	5,279.47	0.00	209.69	116.29	2,896.37	991.36	3,234.21	3,024.70	209.51	15.437	
5,400.00	5,379.04	5,391.70	5,379.04	0.00	213.67	116.43	2,896.37	991.36	3,238.32	3,024.83	213.49	15.169	
5,500.00	5,478.62	5,491.28	5,478.62	0.00	217.65	116.58	2,896.37	991.36	3,242.44	3,024.98	217.47	14.910	
5,600.00	5,578.19	5,590.85	5,578.19	0.00	221.63	116.72	2,896.37	991.36	3,246.59	3,025.15	221.44	14.661	
5,700.00	5,677.77	5,690.43	5,677.77	0.00	225.62	116.87	2,896.37	991.36	3,250.76	3,025.34	225.42	14.421	
5,800.00	5,777.34	5,790.00	5,777.34	0.00	229.60	117.01	2,896.37	991.36	3,254.95	3,025.55	229.40	14.189	
5,900.00	5,876.91	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,259.16	3,025.97	233.19	13.976 SF	
6,000.00	5,976.49	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,265.05	3,031.86	233.19	14.001	
6,100.00	6,076.06	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,273.99	3,040.79	233.19	14.040	
6,200.00	6,175.64	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,285.94	3,052.75	233.19	14.091	
6,300.00	6,275.24	5,885.00	5,872.34	0.00	233.40	117.26	2,896.37	991.36	3,300.76	3,067.51	233.25	14.151	
6,400.00	6,375.13	5,885.00	5,872.34	0.00	233.40	-61.32	2,896.37	991.36	3,315.64	3,082.28	233.36	14.208	
6,500.00	6,474.53	5,885.00	5,872.34	0.00	233.40	-60.82	2,896.37	991.36	3,327.38	3,094.77	232.61	14.304	
6,600.00	6,571.72	5,885.00	5,872.34	0.00	233.40	-60.30	2,896.37	991.36	3,335.76	3,104.88	230.89	14.448	
6,700.00	6,665.06	5,885.00	5,872.34	0.00	233.40	-60.00	2,896.37	991.36	3,340.67	3,112.42	228.26	14.636	
6,800.00	6,752.94	5,885.00	5,872.34	0.00	233.40	-59.91	2,896.37	991.36	3,342.04	3,117.11	224.93	14.858	
6,900.00	6,833.85	5,885.00	5,872.34	0.00	233.40	-60.06	2,896.37	991.36	3,339.85	3,118.62	221.23	15.097	
7,000.00	6,906.42	5,885.00	5,872.34	0.00	233.40	-60.44	2,896.37	991.36	3,334.12	3,116.54	217.58	15.324	
7,100.00	6,969.40	5,885.00	5,872.34	0.00	233.40	-61.04	2,896.37	991.36	3,324.95	3,110.54	214.41	15.507	
7,200.00	7,021.72	5,885.00	5,872.34	0.00	233.40	-61.87	2,896.37	991.36	3,312.46	3,100.31	212.14	15.614	
7,300.00	7,062.47	5,885.00	5,872.34	0.00	233.40	-62.93	2,896.37	991.36	3,296.82	3,085.75	211.07	15.619	
7,400.00	7,090.97	5,885.00	5,872.34	0.00	233.40	-64.19	2,896.37	991.36	3,278.26	3,066.93	211.33	15.512	
7,500.00	7,106.72	5,885.00	5,872.34	0.00	233.40	-65.67	2,896.37	991.36	3,257.06	3,044.20	212.86	15.302	
7,600.00	7,110.14	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,233.78	3,019.28	214.49	15.076	
7,700.00	7,110.55	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,212.26	2,997.77	214.49	14.976	
7,800.00	7,110.97	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,193.73	2,979.24	214.49	14.890	
7,900.00	7,111.38	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,178.24	2,963.75	214.49	14.818	
8,000.00	7,111.79	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,165.83	2,951.34	214.49	14.760	
8,100.00	7,112.21	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,156.55	2,942.06	214.49	14.716	
8,200.00	7,112.62	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,150.41	2,935.92	214.49	14.688	
8,300.00	7,113.03	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,147.44	2,932.95	214.49	14.674	
8,343.50	7,113.21	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,147.14	2,932.65	214.49	14.673 ES	
8,400.00	7,113.45	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,147.65	2,933.16	214.49	14.675	
8,500.00	7,113.86	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,151.03	2,936.54	214.49	14.691	
8,600.00	7,114.28	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,157.58	2,943.09	214.49	14.721	
8,700.00	7,114.69	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,167.27	2,952.78	214.49	14.766	
8,800.00	7,115.10	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,180.08	2,965.59	214.49	14.826	
8,900.00	7,115.52	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,195.97	2,981.48	214.49	14.900	
9,000.00	7,115.93	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,214.89	3,000.40	214.49	14.988	
9,100.00	7,116.35	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,236.79	3,022.30	214.49	15.090	
9,200.00	7,116.76	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,261.61	3,047.12	214.49	15.206	
9,300.00	7,117.17	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,289.29	3,074.80	214.49	15.335	
9,400.00	7,117.59	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,319.75	3,105.25	214.49	15.477	
9,500.00	7,118.00	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,352.91	3,138.42	214.49	15.632	
9,600.00	7,118.41	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,388.70	3,174.21	214.49	15.799	
9,700.00	7,118.83	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,427.04	3,212.55	214.49	15.977	
9,800.00	7,119.24	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,467.84	3,253.35	214.49	16.168	
9,900.00	7,119.66	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,511.01	3,296.52	214.49	16.369	
10,000.00	7,120.07	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,556.48	3,341.98	214.49	16.581	
10,100.00	7,120.48	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,604.14	3,389.65	214.49	16.803	
10,200.00	7,120.90	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,653.92	3,439.43	214.49	17.035	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,705.73	3,491.24	214.49	17.277	
10,400.00	7,121.73	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,759.48	3,544.99	214.49	17.527	
10,500.00	7,122.14	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,815.10	3,600.61	214.49	17.787	
10,600.00	7,122.55	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,872.51	3,658.02	214.49	18.054	
10,700.00	7,122.97	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,931.62	3,717.13	214.49	18.330	
10,800.00	7,123.38	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	3,992.36	3,777.87	214.49	18.613	
10,900.00	7,123.79	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,054.66	3,840.16	214.49	18.904	
11,000.00	7,124.21	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,118.44	3,903.95	214.49	19.201	
11,100.00	7,124.62	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,183.64	3,969.15	214.49	19.505	
11,200.00	7,125.04	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,250.19	4,035.70	214.49	19.815	
11,300.00	7,125.45	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,318.04	4,103.54	214.49	20.131	
11,400.00	7,125.86	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,387.11	4,172.62	214.49	20.453	
11,500.00	7,126.28	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,457.36	4,242.87	214.49	20.781	
11,600.00	7,126.69	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,528.72	4,314.23	214.49	21.114	
11,700.00	7,127.11	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,601.16	4,386.66	214.49	21.451	
11,800.00	7,127.52	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,674.61	4,460.11	214.49	21.794	
11,900.00	7,127.93	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,749.02	4,534.53	214.49	22.141	
12,000.00	7,128.35	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,824.37	4,609.88	214.49	22.492	
12,100.00	7,128.76	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,900.60	4,686.10	214.49	22.847	
12,200.00	7,129.18	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	4,977.66	4,763.17	214.49	23.207	
12,300.00	7,129.59	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,055.54	4,841.04	214.49	23.570	
12,400.00	7,130.00	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,134.17	4,919.68	214.49	23.936	
12,500.00	7,130.42	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,213.54	4,999.05	214.49	24.306	
12,600.00	7,130.83	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,293.61	5,079.12	214.49	24.680	
12,700.00	7,131.24	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,374.35	5,159.86	214.49	25.056	
12,800.00	7,131.66	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,455.73	5,241.23	214.49	25.436	
12,900.00	7,132.07	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,537.71	5,323.22	214.49	25.818	
13,000.00	7,132.49	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,620.28	5,405.79	214.49	26.203	
13,100.00	7,132.90	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,703.41	5,488.91	214.49	26.590	
13,200.00	7,133.31	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,787.07	5,572.58	214.49	26.980	
13,300.00	7,133.73	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,871.24	5,656.75	214.49	27.373	
13,400.00	7,134.14	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	5,955.90	5,741.41	214.49	27.767	
13,500.00	7,134.56	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,041.03	5,826.54	214.49	28.164	
13,600.00	7,134.97	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,126.61	5,912.12	214.49	28.563	
13,700.00	7,135.38	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,212.62	5,998.13	214.49	28.964	
13,800.00	7,135.80	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,299.04	6,084.55	214.49	29.367	
13,900.00	7,136.21	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,385.86	6,171.37	214.49	29.772	
14,000.00	7,136.62	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,473.06	6,258.57	214.49	30.179	
14,100.00	7,137.04	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,560.63	6,346.14	214.49	30.587	
14,200.00	7,137.45	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,648.55	6,434.05	214.49	30.997	
14,300.00	7,137.87	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,736.80	6,522.31	214.49	31.408	
14,400.00	7,138.28	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,825.38	6,610.88	214.49	31.821	
14,500.00	7,138.69	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	6,914.26	6,699.77	214.49	32.236	
14,600.00	7,139.11	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,003.45	6,788.96	214.49	32.651	
14,700.00	7,139.52	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,092.93	6,878.44	214.49	33.069	
14,800.00	7,139.94	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,182.68	6,968.19	214.49	33.487	
14,900.00	7,140.35	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,272.71	7,058.21	214.49	33.907	
15,000.00	7,140.76	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,362.99	7,148.49	214.49	34.328	
15,100.00	7,141.18	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,453.51	7,239.02	214.49	34.750	
15,200.00	7,141.59	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,544.28	7,329.79	214.49	35.173	
15,300.00	7,142.00	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,635.28	7,420.79	214.49	35.597	
15,400.00	7,142.42	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,726.50	7,512.01	214.49	36.022	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,817.93	7,603.44	214.49	36.449	
15,600.00	7,143.25	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	7,909.57	7,695.08	214.49	36.876	
15,700.00	7,143.66	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,001.42	7,786.92	214.49	37.304	
15,800.00	7,144.07	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,093.45	7,878.96	214.49	37.733	
15,900.00	7,144.49	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,185.67	7,971.18	214.49	38.163	
16,000.00	7,144.90	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,278.08	8,063.59	214.49	38.594	
16,100.00	7,145.32	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,370.66	8,156.16	214.49	39.025	
16,200.00	7,145.73	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,463.40	8,248.91	214.49	39.458	
16,300.00	7,146.14	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,556.31	8,341.82	214.49	39.891	
16,400.00	7,146.56	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,649.38	8,434.89	214.49	40.325	
16,500.00	7,146.97	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,742.60	8,528.11	214.49	40.760	
16,600.00	7,147.38	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,835.97	8,621.48	214.49	41.195	
16,700.00	7,147.80	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	8,929.48	8,714.99	214.49	41.631	
16,800.00	7,148.21	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,023.14	8,808.64	214.49	42.067	
16,900.00	7,148.63	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,116.92	8,902.43	214.49	42.505	
17,000.00	7,149.04	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,210.84	8,996.35	214.49	42.943	
17,100.00	7,149.45	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,304.88	9,090.39	214.49	43.381	
17,200.00	7,149.87	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,399.05	9,184.56	214.49	43.820	
17,232.03	7,150.00	5,885.00	5,872.34	0.00	233.40	-66.78	2,896.37	991.36	9,429.24	9,214.75	214.49	43.961	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	9.63	0.00	0.00	0.19	63.03	2,876.78	5,653.35	6,343.20				
100.00	100.00	109.63	100.00	0.00	2.39	63.03	2,876.78	5,653.35	6,343.20	6,340.82	2.39	2,659.178	
200.00	200.00	209.63	200.00	0.00	6.39	63.03	2,876.78	5,653.35	6,343.20	6,336.82	6.39	993.392	
300.00	300.00	309.63	300.00	0.00	10.39	63.03	2,876.78	5,653.35	6,343.20	6,332.82	10.39	610.781	
400.00	399.98	409.61	399.98	0.00	14.38	152.97	2,876.78	5,653.35	6,344.76	6,330.38	14.38	441.294	
500.00	499.84	509.47	499.84	0.00	18.38	152.95	2,876.78	5,653.35	6,349.42	6,331.08	18.34	346.142	
600.00	599.47	609.10	599.47	0.00	22.36	152.94	2,876.78	5,653.35	6,356.99	6,334.70	22.29	285.209	
700.00	699.05	708.68	699.05	0.00	26.35	152.98	2,876.78	5,653.35	6,365.21	6,338.95	26.26	242.407	
800.00	798.62	808.25	798.62	0.00	30.33	153.01	2,876.78	5,653.35	6,373.43	6,343.20	30.23	210.846	
900.00	898.20	907.83	898.20	0.00	34.31	153.05	2,876.78	5,653.35	6,381.65	6,347.45	34.20	186.613	
1,000.00	997.77	1,007.40	997.77	0.00	38.30	153.09	2,876.78	5,653.35	6,389.87	6,351.71	38.17	167.420	
1,100.00	1,097.35	1,106.98	1,097.35	0.00	42.28	153.13	2,876.78	5,653.35	6,398.10	6,355.96	42.14	151.844	
1,200.00	1,196.92	1,206.55	1,196.92	0.00	46.26	153.16	2,876.78	5,653.35	6,406.33	6,360.23	46.11	138.949	
1,300.00	1,296.49	1,306.12	1,296.49	0.00	50.24	153.20	2,876.78	5,653.35	6,414.56	6,364.49	50.07	128.100	
1,400.00	1,396.07	1,405.70	1,396.07	0.00	54.23	153.24	2,876.78	5,653.35	6,422.80	6,368.75	54.04	118.843	
1,500.00	1,495.64	1,505.27	1,495.64	0.00	58.21	153.28	2,876.78	5,653.35	6,431.04	6,373.02	58.01	110.854	
1,600.00	1,595.22	1,604.85	1,595.22	0.00	62.19	153.31	2,876.78	5,653.35	6,439.28	6,377.29	61.98	103.888	
1,700.00	1,694.79	1,704.42	1,694.79	0.00	66.18	153.35	2,876.78	5,653.35	6,447.52	6,381.57	65.95	97.761	
1,800.00	1,794.37	1,804.00	1,794.37	0.00	70.16	153.39	2,876.78	5,653.35	6,455.77	6,385.84	69.92	92.329	
1,900.00	1,893.94	1,903.57	1,893.94	0.00	74.14	153.42	2,876.78	5,653.35	6,464.01	6,390.12	73.89	87.481	
2,000.00	1,993.51	2,003.14	1,993.51	0.00	78.13	153.46	2,876.78	5,653.35	6,472.27	6,394.41	77.86	83.127	
2,100.00	2,093.09	2,102.72	2,093.09	0.00	82.11	153.49	2,876.78	5,653.35	6,480.52	6,398.69	81.83	79.196	
2,200.00	2,192.66	2,202.29	2,192.66	0.00	86.09	153.53	2,876.78	5,653.35	6,488.78	6,402.98	85.80	75.628	
2,300.00	2,292.24	2,301.87	2,292.24	0.00	90.07	153.57	2,876.78	5,653.35	6,497.03	6,407.27	89.77	72.376	
2,400.00	2,391.81	2,401.44	2,391.81	0.00	94.06	153.60	2,876.78	5,653.35	6,505.30	6,411.56	93.74	69.400	
2,500.00	2,491.39	2,501.02	2,491.39	0.00	98.04	153.64	2,876.78	5,653.35	6,513.56	6,415.85	97.71	66.665	
2,600.00	2,590.96	2,600.59	2,590.96	0.00	102.02	153.68	2,876.78	5,653.35	6,521.83	6,420.15	101.68	64.144	
2,700.00	2,690.53	2,700.16	2,690.53	0.00	106.01	153.71	2,876.78	5,653.35	6,530.10	6,424.45	105.64	61.812	
2,800.00	2,790.11	2,799.74	2,790.11	0.00	109.99	153.75	2,876.78	5,653.35	6,538.37	6,428.75	109.61	59.649	
2,900.00	2,889.68	2,899.31	2,889.68	0.00	113.97	153.78	2,876.78	5,653.35	6,546.64	6,433.06	113.58	57.638	
3,000.00	2,989.26	2,998.89	2,989.26	0.00	117.96	153.82	2,876.78	5,653.35	6,554.92	6,437.37	117.55	55.762	
3,100.00	3,088.83	3,098.46	3,088.83	0.00	121.94	153.85	2,876.78	5,653.35	6,563.20	6,441.68	121.52	54.009	
3,200.00	3,188.41	3,198.04	3,188.41	0.00	125.92	153.89	2,876.78	5,653.35	6,571.48	6,445.99	125.49	52.367	
3,300.00	3,287.98	3,297.61	3,287.98	0.00	129.90	153.92	2,876.78	5,653.35	6,579.76	6,450.31	129.46	50.825	
3,400.00	3,387.56	3,397.19	3,387.56	0.00	133.89	153.96	2,876.78	5,653.35	6,588.05	6,454.62	133.43	49.375	
3,500.00	3,487.13	3,496.76	3,487.13	0.00	137.87	153.99	2,876.78	5,653.35	6,596.34	6,458.94	137.40	48.009	
3,600.00	3,586.70	3,596.33	3,586.70	0.00	141.85	154.03	2,876.78	5,653.35	6,604.63	6,463.27	141.37	46.720	
3,700.00	3,686.28	3,695.91	3,686.28	0.00	145.84	154.06	2,876.78	5,653.35	6,612.93	6,467.59	145.33	45.501	
3,800.00	3,785.85	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,621.71	6,475.62	146.10	45.324 SF	
3,900.00	3,885.43	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,631.97	6,485.87	146.10	45.395	
4,000.00	3,985.00	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,643.71	6,497.61	146.10	45.475	
4,100.00	4,084.58	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,656.94	6,510.84	146.10	45.566	
4,200.00	4,184.15	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,671.63	6,525.54	146.10	45.666	
4,300.00	4,283.72	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,687.80	6,541.70	146.10	45.777	
4,400.00	4,383.30	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,705.41	6,559.31	146.10	45.897	
4,500.00	4,482.87	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,724.46	6,578.37	146.10	46.028	
4,600.00	4,582.45	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,744.95	6,598.85	146.10	46.168	
4,700.00	4,682.02	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,766.85	6,620.75	146.10	46.318	
4,800.00	4,781.60	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,790.15	6,644.06	146.10	46.477	
4,900.00	4,881.17	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,814.84	6,668.75	146.10	46.646	
5,000.00	4,980.74	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,840.90	6,694.81	146.10	46.825	
5,100.00	5,080.32	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,868.32	6,722.23	146.10	47.012	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,897.09	6,750.99	146.10	47.209	
5,300.00	5,279.47	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,927.17	6,781.08	146.10	47.415	
5,400.00	5,379.04	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,958.56	6,812.47	146.10	47.630	
5,500.00	5,478.62	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,991.25	6,845.15	146.10	47.854	
5,600.00	5,578.19	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,025.20	6,879.10	146.10	48.086	
5,700.00	5,677.77	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,060.41	6,914.31	146.10	48.327	
5,800.00	5,777.34	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,096.85	6,950.75	146.10	48.577	
5,900.00	5,876.91	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,134.51	6,988.41	146.10	48.834	
6,000.00	5,976.49	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,173.36	7,027.26	146.10	49.100	
6,100.00	6,076.06	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,213.39	7,067.29	146.10	49.374	
6,200.00	6,175.64	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,254.58	7,108.48	146.10	49.656	
6,300.00	6,275.24	3,715.00	3,705.37	0.00	146.60	154.23	2,876.78	5,653.35	7,296.68	7,150.45	146.23	49.897	
6,400.00	6,375.13	3,715.00	3,705.37	0.00	146.60	-24.08	2,876.78	5,653.35	7,334.68	7,188.17	146.51	50.062	
6,500.00	6,474.53	3,715.00	3,705.37	0.00	146.60	-23.46	2,876.78	5,653.35	7,362.74	7,217.90	144.85	50.832	
6,600.00	6,571.72	3,715.00	3,705.37	0.00	146.60	-22.97	2,876.78	5,653.35	7,380.43	7,239.35	141.07	52.316	
6,700.00	6,665.06	3,715.00	3,705.37	0.00	146.60	-22.77	2,876.78	5,653.35	7,387.50	7,252.20	135.30	54.601	
6,800.00	6,752.94	3,715.00	3,705.37	0.00	146.60	-22.88	2,876.78	5,653.35	7,383.87	7,256.13	127.74	57.804	
6,900.00	6,833.85	3,715.00	3,705.37	0.00	146.60	-23.31	2,876.78	5,653.35	7,369.59	7,250.83	118.75	62.058	
7,000.00	6,906.42	3,715.00	3,705.37	0.00	146.60	-24.09	2,876.78	5,653.35	7,344.83	7,235.95	108.88	67.458	
7,100.00	6,969.40	3,715.00	3,705.37	0.00	146.60	-25.26	2,876.78	5,653.35	7,309.93	7,210.99	98.94	73.884	
7,200.00	7,021.72	3,715.00	3,705.37	0.00	146.60	-26.91	2,876.78	5,653.35	7,265.33	7,175.20	90.13	80.608	
7,300.00	7,062.47	3,715.00	3,705.37	0.00	146.60	-29.16	2,876.78	5,653.35	7,211.63	7,127.50	84.13	85.721	
7,400.00	7,090.97	3,715.00	3,705.37	0.00	146.60	-32.19	2,876.78	5,653.35	7,149.55	7,066.74	82.81	86.335	
7,500.00	7,106.72	3,715.00	3,705.37	0.00	146.60	-36.29	2,876.78	5,653.35	7,079.95	6,992.49	87.46	80.954	
7,600.00	7,110.14	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	7,004.14	6,910.17	93.97	74.535	
7,700.00	7,110.55	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,927.39	6,833.42	93.97	73.719	
7,800.00	7,110.97	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,851.23	6,757.26	93.97	72.908	
7,900.00	7,111.38	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,775.70	6,681.73	93.97	72.104	
8,000.00	7,111.79	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,700.81	6,606.84	93.97	71.307	
8,100.00	7,112.21	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,626.58	6,532.61	93.97	70.517	
8,200.00	7,112.62	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,553.03	6,459.06	93.97	69.735	
8,300.00	7,113.03	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,480.20	6,386.23	93.97	68.960	
8,400.00	7,113.45	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,408.10	6,314.12	93.97	68.192	
8,500.00	7,113.86	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,336.75	6,242.78	93.97	67.433	
8,600.00	7,114.28	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,266.19	6,172.22	93.97	66.682	
8,700.00	7,114.69	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,196.44	6,102.47	93.97	65.940	
8,800.00	7,115.10	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,127.52	6,033.55	93.97	65.207	
8,900.00	7,115.52	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,059.48	5,965.51	93.97	64.483	
9,000.00	7,115.93	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,992.33	5,898.36	93.97	63.768	
9,100.00	7,116.35	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,926.10	5,832.13	93.97	63.063	
9,200.00	7,116.76	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,860.84	5,766.87	93.97	62.369	
9,300.00	7,117.17	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,796.56	5,702.59	93.97	61.685	
9,400.00	7,117.59	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,733.31	5,639.34	93.97	61.012	
9,500.00	7,118.00	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,671.12	5,577.15	93.97	60.350	
9,600.00	7,118.41	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,610.02	5,516.04	93.97	59.700	
9,700.00	7,118.83	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,550.04	5,456.07	93.97	59.061	
9,800.00	7,119.24	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,491.24	5,397.27	93.97	58.436	
9,900.00	7,119.66	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,433.64	5,339.67	93.97	57.823	
10,000.00	7,120.07	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,377.28	5,283.31	93.97	57.223	
10,100.00	7,120.48	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,322.20	5,228.23	93.97	56.637	
10,200.00	7,120.90	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,268.45	5,174.48	93.97	56.065	
10,300.00	7,121.31	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,216.06	5,122.09	93.97	55.507	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,165.07	5,071.10	93.97	54.965	
10,500.00	7,122.14	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,115.54	5,021.57	93.97	54.438	
10,600.00	7,122.55	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,067.49	4,973.52	93.97	53.926	
10,700.00	7,122.97	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,020.97	4,927.00	93.97	53.431	
10,800.00	7,123.38	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,976.03	4,882.06	93.97	52.953	
10,900.00	7,123.79	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,932.70	4,838.73	93.97	52.492	
11,000.00	7,124.21	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,891.04	4,797.07	93.97	52.049	
11,100.00	7,124.62	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,851.08	4,757.11	93.97	51.623	
11,200.00	7,125.04	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,812.87	4,718.90	93.97	51.217	
11,300.00	7,125.45	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,776.45	4,682.48	93.97	50.829	
11,400.00	7,125.86	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,741.85	4,647.88	93.97	50.461	
11,500.00	7,126.28	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,709.13	4,615.16	93.97	50.113	
11,600.00	7,126.69	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,678.31	4,584.34	93.97	49.785	
11,700.00	7,127.11	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,649.44	4,555.47	93.97	49.478	
11,800.00	7,127.52	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,622.56	4,528.58	93.97	49.191	
11,900.00	7,127.93	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,597.69	4,503.72	93.97	48.927	
12,000.00	7,128.35	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,574.87	4,480.90	93.97	48.684	
12,100.00	7,128.76	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,554.14	4,460.17	93.97	48.463	
12,200.00	7,129.18	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,535.51	4,441.54	93.97	48.265	
12,300.00	7,129.59	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,519.03	4,425.06	93.97	48.090	
12,400.00	7,130.00	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,504.70	4,410.73	93.97	47.937	
12,500.00	7,130.42	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,492.55	4,398.58	93.97	47.808	
12,600.00	7,130.83	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,482.60	4,388.63	93.97	47.702	
12,700.00	7,131.24	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,474.87	4,380.90	93.97	47.620	
12,800.00	7,131.66	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,469.36	4,375.39	93.97	47.561	
12,900.00	7,132.07	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,466.08	4,372.11	93.97	47.526	
12,996.42	7,132.47	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,465.04	4,371.07	93.97	47.515	CC, ES
13,000.00	7,132.49	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,465.04	4,371.07	93.97	47.515	
13,100.00	7,132.90	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,466.24	4,372.27	93.97	47.528	
13,200.00	7,133.31	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,469.68	4,375.71	93.97	47.565	
13,300.00	7,133.73	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,475.35	4,381.38	93.97	47.625	
13,400.00	7,134.14	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,483.24	4,389.27	93.97	47.709	
13,500.00	7,134.56	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,493.35	4,399.38	93.97	47.816	
13,600.00	7,134.97	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,505.65	4,411.68	93.97	47.947	
13,700.00	7,135.38	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,520.13	4,426.16	93.97	48.101	
13,800.00	7,135.80	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,536.78	4,442.80	93.97	48.279	
13,900.00	7,136.21	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,555.55	4,461.58	93.97	48.478	
14,000.00	7,136.62	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,576.44	4,482.46	93.97	48.701	
14,100.00	7,137.04	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,599.40	4,505.43	93.97	48.945	
14,200.00	7,137.45	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,624.41	4,530.44	93.97	49.211	
14,300.00	7,137.87	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,651.44	4,557.47	93.97	49.499	
14,400.00	7,138.28	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,680.45	4,586.48	93.97	49.808	
14,500.00	7,138.69	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,711.41	4,617.43	93.97	50.137	
14,600.00	7,139.11	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,744.27	4,650.29	93.97	50.487	
14,700.00	7,139.52	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,778.99	4,685.02	93.97	50.856	
14,800.00	7,139.94	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,815.55	4,721.58	93.97	51.245	
14,900.00	7,140.35	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,853.89	4,759.91	93.97	51.653	
15,000.00	7,140.76	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,893.97	4,800.00	93.97	52.080	
15,100.00	7,141.18	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,935.75	4,841.78	93.97	52.524	
15,200.00	7,141.59	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	4,979.19	4,885.22	93.97	52.987	
15,300.00	7,142.00	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,024.25	4,930.28	93.97	53.466	
15,400.00	7,142.42	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,070.88	4,976.90	93.97	53.962	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,119.03	5,025.06	93.97	54.475	
15,600.00	7,143.25	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,168.68	5,074.71	93.97	55.003	
15,700.00	7,143.66	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,219.76	5,125.79	93.97	55.547	
15,800.00	7,144.07	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,272.25	5,178.28	93.97	56.105	
15,900.00	7,144.49	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,326.10	5,232.13	93.97	56.678	
16,000.00	7,144.90	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,381.27	5,287.30	93.97	57.265	
16,100.00	7,145.32	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,437.72	5,343.75	93.97	57.866	
16,200.00	7,145.73	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,495.41	5,401.44	93.97	58.480	
16,300.00	7,146.14	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,554.30	5,460.33	93.97	59.107	
16,400.00	7,146.56	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,614.35	5,520.38	93.97	59.746	
16,500.00	7,146.97	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,675.53	5,581.56	93.97	60.397	
16,600.00	7,147.38	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,737.80	5,643.83	93.97	61.059	
16,700.00	7,147.80	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,801.13	5,707.16	93.97	61.733	
16,800.00	7,148.21	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,865.48	5,771.50	93.97	62.418	
16,900.00	7,148.63	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,930.81	5,836.84	93.97	63.113	
17,000.00	7,149.04	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	5,997.10	5,903.13	93.97	63.819	
17,100.00	7,149.45	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,064.32	5,970.35	93.97	64.534	
17,200.00	7,149.87	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,132.43	6,038.46	93.97	65.259	
17,232.03	7,150.00	3,715.00	3,705.37	0.00	146.60	-39.87	2,876.78	5,653.35	6,154.43	6,060.46	93.97	65.493	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	96.42	0.00	0.00	85.11	737.94	8,623.18	8,655.23				
100.00	100.00	3.58	100.00	0.00	0.07	85.11	737.94	8,623.18	8,654.70				
200.00	200.00	103.58	200.00	0.00	2.14	85.11	737.94	8,623.18	8,654.70	8,652.55	2.14	4,037.836	
300.00	300.00	203.58	300.00	0.00	6.14	85.11	737.94	8,623.18	8,654.70	8,648.55	6.14	1,408.780	
400.00	399.98	303.56	399.98	0.00	10.14	175.05	737.94	8,623.18	8,656.44	8,646.30	10.14	853.990	
500.00	499.84	403.42	499.84	0.00	14.14	175.05	737.94	8,623.18	8,661.65	8,647.55	14.10	614.183	
600.00	599.47	503.05	599.47	0.00	18.12	175.04	737.94	8,623.18	8,670.11	8,652.07	18.05	480.451	
700.00	699.05	602.63	699.05	0.00	22.11	175.05	737.94	8,623.18	8,679.30	8,657.28	22.01	394.300	
800.00	798.62	702.20	798.62	0.00	26.09	175.05	737.94	8,623.18	8,688.48	8,662.50	25.98	334.454	
900.00	898.20	801.78	898.20	0.00	30.07	175.06	737.94	8,623.18	8,697.66	8,667.72	29.94	290.462	
1,000.00	997.77	901.35	997.77	0.00	34.05	175.06	737.94	8,623.18	8,706.84	8,672.93	33.91	256.761	
1,100.00	1,097.35	1,000.93	1,097.35	0.00	38.04	175.07	737.94	8,623.18	8,716.03	8,678.15	37.88	230.117	
1,200.00	1,196.92	1,100.50	1,196.92	0.00	42.02	175.07	737.94	8,623.18	8,725.21	8,683.37	41.84	208.524	
1,300.00	1,296.49	1,200.07	1,296.49	0.00	46.00	175.08	737.94	8,623.18	8,734.39	8,688.58	45.81	190.671	
1,400.00	1,396.07	1,299.65	1,396.07	0.00	49.99	175.08	737.94	8,623.18	8,743.58	8,693.80	49.77	175.662	
1,500.00	1,495.64	1,399.22	1,495.64	0.00	53.97	175.09	737.94	8,623.18	8,752.76	8,699.02	53.74	162.869	
1,600.00	1,595.22	1,498.80	1,595.22	0.00	57.95	175.09	737.94	8,623.18	8,761.94	8,704.24	57.71	151.834	
1,700.00	1,694.79	1,598.37	1,694.79	0.00	61.93	175.10	737.94	8,623.18	8,771.13	8,709.45	61.67	142.219	
1,800.00	1,794.37	1,697.95	1,794.37	0.00	65.92	175.10	737.94	8,623.18	8,780.31	8,714.67	65.64	133.766	
1,900.00	1,893.94	1,797.52	1,893.94	0.00	69.90	175.11	737.94	8,623.18	8,789.49	8,719.89	69.61	126.276	
2,000.00	1,993.51	1,897.09	1,993.51	0.00	73.88	175.11	737.94	8,623.18	8,798.68	8,725.10	73.57	119.593	
2,100.00	2,093.09	1,996.67	2,093.09	0.00	77.87	175.12	737.94	8,623.18	8,807.86	8,730.32	77.54	113.594	
2,200.00	2,192.66	2,096.24	2,192.66	0.00	81.85	175.12	737.94	8,623.18	8,817.04	8,735.54	81.50	108.179	
2,300.00	2,292.24	2,195.82	2,292.24	0.00	85.83	175.13	737.94	8,623.18	8,826.23	8,740.76	85.47	103.267	
2,400.00	2,391.81	2,295.39	2,391.81	0.00	89.82	175.13	737.94	8,623.18	8,835.41	8,745.98	89.44	98.790	
2,500.00	2,491.39	2,394.97	2,491.39	0.00	93.80	175.14	737.94	8,623.18	8,844.60	8,751.19	93.40	94.693	
2,600.00	2,590.96	2,494.54	2,590.96	0.00	97.78	175.14	737.94	8,623.18	8,853.78	8,756.41	97.37	90.931	
2,700.00	2,690.53	2,594.11	2,690.53	0.00	101.76	175.15	737.94	8,623.18	8,862.96	8,761.63	101.33	87.462	
2,800.00	2,790.11	2,693.69	2,790.11	0.00	105.75	175.15	737.94	8,623.18	8,872.15	8,766.85	105.30	84.255	
2,900.00	2,889.68	2,793.26	2,889.68	0.00	109.73	175.16	737.94	8,623.18	8,881.33	8,772.06	109.27	81.281	
3,000.00	2,989.26	2,892.84	2,989.26	0.00	113.71	175.16	737.94	8,623.18	8,890.52	8,777.28	113.23	78.515	
3,100.00	3,088.83	2,992.41	3,088.83	0.00	117.70	175.17	737.94	8,623.18	8,899.70	8,782.50	117.20	75.936	
3,200.00	3,188.41	3,091.99	3,188.41	0.00	121.68	175.17	737.94	8,623.18	8,908.88	8,787.72	121.17	73.527	
3,300.00	3,287.98	3,191.56	3,287.98	0.00	125.66	175.18	737.94	8,623.18	8,918.07	8,792.94	125.13	71.270	
3,400.00	3,387.56	3,291.14	3,387.56	0.00	129.65	175.18	737.94	8,623.18	8,927.25	8,798.16	129.10	69.151	
3,500.00	3,487.13	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,936.44	8,803.73	132.72	67.335 SF	
3,600.00	3,586.70	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,946.28	8,813.56	132.72	67.409	
3,700.00	3,686.28	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,957.22	8,824.50	132.72	67.491	
3,800.00	3,785.85	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,969.26	8,836.55	132.72	67.582	
3,900.00	3,885.43	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,982.40	8,849.69	132.72	67.681	
4,000.00	3,985.00	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,996.64	8,863.92	132.72	67.788	
4,100.00	4,084.58	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,011.95	8,879.24	132.72	67.904	
4,200.00	4,184.15	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,028.36	8,895.64	132.72	68.027	
4,300.00	4,283.72	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,045.83	8,913.12	132.72	68.159	
4,400.00	4,383.30	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,064.38	8,931.66	132.72	68.299	
4,500.00	4,482.87	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,083.99	8,951.27	132.72	68.446	
4,600.00	4,582.45	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,104.66	8,971.94	132.72	68.602	
4,700.00	4,682.02	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,126.37	8,993.66	132.72	68.766	
4,800.00	4,781.60	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,149.13	9,016.41	132.72	68.937	
4,900.00	4,881.17	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,172.92	9,040.20	132.72	69.116	
5,000.00	4,980.74	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,197.74	9,065.02	132.72	69.303	
5,100.00	5,080.32	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,223.57	9,090.85	132.72	69.498	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,250.41	9,117.69	132.72	69.700	
5,300.00	5,279.47	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,278.25	9,145.54	132.72	69.910	
5,400.00	5,379.04	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,307.09	9,174.37	132.72	70.127	
5,500.00	5,478.62	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,336.90	9,204.19	132.72	70.352	
5,600.00	5,578.19	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,367.69	9,234.98	132.72	70.584	
5,700.00	5,677.77	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,399.44	9,266.73	132.72	70.823	
5,800.00	5,777.34	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,432.15	9,299.43	132.72	71.070	
5,900.00	5,876.91	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,465.80	9,333.08	132.72	71.323	
6,000.00	5,976.49	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,500.38	9,367.66	132.72	71.584	
6,100.00	6,076.06	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,535.89	9,403.17	132.72	71.851	
6,200.00	6,175.64	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,572.30	9,439.59	132.72	72.126	
6,300.00	6,275.24	3,382.00	3,478.42	0.00	133.28	175.22	737.94	8,623.18	9,609.37	9,476.50	132.87	72.320	
6,400.00	6,375.13	3,382.00	3,478.42	0.00	133.28	-4.07	737.94	8,623.18	9,641.42	9,508.24	133.18	72.392	
6,500.00	6,474.53	3,382.00	3,478.42	0.00	133.28	-4.22	737.94	8,623.18	9,661.96	9,530.57	131.39	73.535	
6,600.00	6,571.72	3,382.00	3,478.42	0.00	133.28	-4.21	737.94	8,623.18	9,670.61	9,543.25	127.37	75.928	
6,700.00	6,665.06	3,382.00	3,478.42	0.00	133.28	-4.24	737.94	8,623.18	9,667.26	9,546.09	121.17	79.779	
6,800.00	6,752.94	3,382.00	3,478.42	0.00	133.28	-4.34	737.94	8,623.18	9,651.96	9,539.02	112.93	85.467	
6,900.00	6,833.85	3,382.00	3,478.42	0.00	133.28	-4.50	737.94	8,623.18	9,624.90	9,522.10	102.79	93.635	
7,000.00	6,906.42	3,382.00	3,478.42	0.00	133.28	-4.76	737.94	8,623.18	9,586.45	9,495.50	90.95	105.401	
7,100.00	6,969.40	3,382.00	3,478.42	0.00	133.28	-5.13	737.94	8,623.18	9,537.14	9,459.48	77.67	122.798	
7,200.00	7,021.72	3,382.00	3,478.42	0.00	133.28	-5.66	737.94	8,623.18	9,477.66	9,414.38	63.28	149.783	
7,300.00	7,062.47	3,382.00	3,478.42	0.00	133.28	-6.41	737.94	8,623.18	9,408.83	9,360.49	48.34	194.641	
7,400.00	7,090.97	3,382.00	3,478.42	0.00	133.28	-7.52	737.94	8,623.18	9,331.64	9,297.53	34.11	273.548	
7,500.00	7,106.72	3,382.00	3,478.42	0.00	133.28	-9.25	737.94	8,623.18	9,247.22	9,222.57	24.65	375.112	
7,600.00	7,110.14	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	9,157.10	9,131.54	25.57	358.134	
7,700.00	7,110.55	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	9,065.90	9,040.33	25.57	354.566	
7,800.00	7,110.97	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,974.88	8,949.31	25.57	351.007	
7,900.00	7,111.38	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,884.05	8,858.48	25.57	347.454	
8,000.00	7,111.79	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,793.42	8,767.85	25.57	343.910	
8,100.00	7,112.21	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,702.99	8,677.43	25.57	340.373	
8,200.00	7,112.62	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,612.78	8,587.21	25.57	336.845	
8,300.00	7,113.03	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,522.79	8,497.22	25.57	333.326	
8,400.00	7,113.45	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,433.02	8,407.45	25.57	329.815	
8,500.00	7,113.86	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,343.49	8,317.92	25.57	326.313	
8,600.00	7,114.28	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,254.19	8,228.62	25.57	322.821	
8,700.00	7,114.69	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,165.14	8,139.58	25.57	319.338	
8,800.00	7,115.10	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	8,076.35	8,050.79	25.57	315.865	
8,900.00	7,115.52	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,987.83	7,962.26	25.57	312.403	
9,000.00	7,115.93	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,899.58	7,874.01	25.57	308.952	
9,100.00	7,116.35	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,811.61	7,786.04	25.57	305.511	
9,200.00	7,116.76	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,723.93	7,698.36	25.57	302.082	
9,300.00	7,117.17	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,636.56	7,610.99	25.57	298.665	
9,400.00	7,117.59	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,549.50	7,523.93	25.57	295.260	
9,500.00	7,118.00	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,462.77	7,437.20	25.57	291.868	
9,600.00	7,118.41	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,376.37	7,350.80	25.57	288.489	
9,700.00	7,118.83	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,290.31	7,264.75	25.57	285.124	
9,800.00	7,119.24	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,204.62	7,179.05	25.57	281.772	
9,900.00	7,119.66	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,119.31	7,093.74	25.57	278.435	
10,000.00	7,120.07	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	7,034.37	7,008.81	25.57	275.114	
10,100.00	7,120.48	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,949.84	6,924.28	25.57	271.808	
10,200.00	7,120.90	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,865.73	6,840.16	25.57	268.518	
10,300.00	7,121.31	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,782.05	6,756.48	25.57	265.245	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,698.81	6,673.24	25.57	261.990	
10,500.00	7,122.14	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,616.04	6,590.47	25.57	258.753	
10,600.00	7,122.55	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,533.75	6,508.18	25.57	255.534	
10,700.00	7,122.97	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,451.96	6,426.39	25.57	252.336	
10,800.00	7,123.38	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,370.69	6,345.12	25.57	249.157	
10,900.00	7,123.79	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,289.96	6,264.39	25.57	246.000	
11,000.00	7,124.21	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,209.79	6,184.22	25.57	242.864	
11,100.00	7,124.62	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,130.21	6,104.64	25.57	239.752	
11,200.00	7,125.04	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	6,051.23	6,025.66	25.57	236.663	
11,300.00	7,125.45	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,972.88	5,947.31	25.57	233.599	
11,400.00	7,125.86	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,895.18	5,869.61	25.57	230.560	
11,500.00	7,126.28	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,818.17	5,792.60	25.57	227.548	
11,600.00	7,126.69	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,741.86	5,716.29	25.57	224.564	
11,700.00	7,127.11	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,666.30	5,640.73	25.57	221.608	
11,800.00	7,127.52	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,591.50	5,565.93	25.57	218.683	
11,900.00	7,127.93	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,517.49	5,491.92	25.57	215.789	
12,000.00	7,128.35	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,444.32	5,418.75	25.57	212.927	
12,100.00	7,128.76	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,372.02	5,346.45	25.57	210.099	
12,200.00	7,129.18	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,300.61	5,275.04	25.57	207.306	
12,300.00	7,129.59	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,230.14	5,204.57	25.57	204.550	
12,400.00	7,130.00	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,160.65	5,135.08	25.57	201.832	
12,500.00	7,130.42	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,092.17	5,066.60	25.57	199.154	
12,600.00	7,130.83	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	5,024.75	4,999.18	25.57	196.517	
12,700.00	7,131.24	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,958.43	4,932.86	25.57	193.924	
12,800.00	7,131.66	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,893.25	4,867.68	25.57	191.375	
12,900.00	7,132.07	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,829.27	4,803.70	25.57	188.872	
13,000.00	7,132.49	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,766.52	4,740.95	25.57	186.418	
13,100.00	7,132.90	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,705.07	4,679.50	25.57	184.015	
13,200.00	7,133.31	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,644.95	4,619.38	25.57	181.664	
13,300.00	7,133.73	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,586.23	4,560.66	25.57	179.367	
13,400.00	7,134.14	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,528.95	4,503.38	25.57	177.127	
13,500.00	7,134.56	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,473.18	4,447.61	25.57	174.945	
13,600.00	7,134.97	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,418.96	4,393.39	25.57	172.825	
13,700.00	7,135.38	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,366.36	4,340.79	25.57	170.768	
13,800.00	7,135.80	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,315.44	4,289.87	25.57	168.777	
13,900.00	7,136.21	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,266.26	4,240.69	25.57	166.853	
14,000.00	7,136.62	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,218.87	4,193.30	25.57	165.000	
14,100.00	7,137.04	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,173.34	4,147.77	25.57	163.219	
14,200.00	7,137.45	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,129.73	4,104.16	25.57	161.513	
14,300.00	7,137.87	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,088.10	4,062.53	25.57	159.885	
14,400.00	7,138.28	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,048.52	4,022.95	25.57	158.337	
14,500.00	7,138.69	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	4,011.04	3,985.47	25.57	156.871	
14,600.00	7,139.11	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,975.72	3,950.15	25.57	155.490	
14,700.00	7,139.52	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,942.62	3,917.05	25.57	154.195	
14,800.00	7,139.94	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,911.79	3,886.23	25.57	152.990	
14,900.00	7,140.35	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,883.30	3,857.73	25.57	151.876	
15,000.00	7,140.76	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,857.20	3,831.63	25.57	150.855	
15,100.00	7,141.18	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,833.52	3,807.95	25.57	149.929	
15,200.00	7,141.59	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,812.32	3,786.75	25.57	149.099	
15,300.00	7,142.00	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,793.64	3,768.07	25.57	148.369	
15,400.00	7,142.42	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,777.51	3,751.94	25.57	147.738	
15,500.00	7,142.83	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,763.98	3,738.41	25.57	147.209	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,143.25	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,753.06	3,727.49	25.57	146.782	
15,700.00	7,143.66	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,744.77	3,719.21	25.57	146.458	
15,800.00	7,144.07	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,739.15	3,713.58	25.57	146.238	
15,900.00	7,144.49	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,736.20	3,710.63	25.57	146.122	
15,960.45	7,144.74	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,735.71	3,710.14	25.57	146.103	CC, ES
16,000.00	7,144.90	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,735.92	3,710.35	25.57	146.111	
16,100.00	7,145.32	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,738.31	3,712.74	25.57	146.205	
16,200.00	7,145.73	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,743.38	3,717.81	25.57	146.403	
16,300.00	7,146.14	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,751.11	3,725.54	25.57	146.705	
16,400.00	7,146.56	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,761.48	3,735.91	25.57	147.111	
16,500.00	7,146.97	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,774.47	3,748.90	25.57	147.619	
16,600.00	7,147.38	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,790.06	3,764.49	25.57	148.229	
16,700.00	7,147.80	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,808.21	3,782.64	25.57	148.939	
16,800.00	7,148.21	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,828.88	3,803.32	25.57	149.747	
16,900.00	7,148.63	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,852.05	3,826.48	25.57	150.653	
17,000.00	7,149.04	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,877.65	3,852.08	25.57	151.655	
17,100.00	7,149.45	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,905.65	3,880.08	25.57	152.750	
17,200.00	7,149.87	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,935.99	3,910.42	25.57	153.936	
17,232.03	7,150.00	3,382.00	3,478.42	0.00	133.28	-11.06	737.94	8,623.18	3,946.19	3,920.62	25.57	154.335	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	164.32	0.00	0.00	109.07	-2,560.28	7,404.48	7,836.35				
100.00	100.00	0.00	164.32	0.00	0.00	109.07	-2,560.28	7,404.48	7,834.89				
193.42	193.42	29.10	193.42	0.00	0.58	109.07	-2,560.28	7,404.48	7,834.63	7,834.04	0.58	N/A	
200.00	200.00	35.68	200.00	0.00	0.71	109.07	-2,560.28	7,404.48	7,834.63	7,833.91	0.71	N/A	
248.18	248.18	83.86	248.18	0.00	1.68	109.07	-2,560.28	7,404.48	7,834.63	7,832.95	1.68	4,670.843	
300.00	300.00	100.00	264.32	0.00	2.00	109.07	-2,560.28	7,404.48	7,834.71	7,832.71	2.00	3,916.961 SF	
400.00	399.98	100.00	264.32	0.00	2.00	-160.96	-2,560.28	7,404.48	7,837.45	7,835.45	2.00	3,920.467	
500.00	499.84	100.00	264.32	0.00	2.00	-160.92	-2,560.28	7,404.48	7,844.76	7,842.76	2.00	3,930.537	
600.00	599.47	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,856.41	7,854.42	1.99	3,942.787	
700.00	699.05	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,869.99	7,868.00	1.99	3,949.603	
800.00	798.62	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,884.81	7,882.82	1.99	3,957.043	
900.00	898.20	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,900.88	7,898.88	1.99	3,965.104	
1,000.00	997.77	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,918.17	7,916.18	1.99	3,973.783	
1,100.00	1,097.35	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,936.69	7,934.69	1.99	3,983.075	
1,200.00	1,196.92	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,956.42	7,954.42	1.99	3,992.977	
1,300.00	1,296.49	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,977.35	7,975.36	1.99	4,003.483	
1,400.00	1,396.07	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,999.48	7,997.49	1.99	4,014.589	
1,500.00	1,495.64	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,022.80	8,020.80	1.99	4,026.290	
1,600.00	1,595.22	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,047.29	8,045.29	1.99	4,038.581	
1,700.00	1,694.79	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,072.94	8,070.95	1.99	4,051.456	
1,800.00	1,794.37	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,099.75	8,097.76	1.99	4,064.910	
1,900.00	1,893.94	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,127.70	8,125.71	1.99	4,078.937	
2,000.00	1,993.51	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,156.78	8,154.79	1.99	4,093.532	
2,100.00	2,093.09	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,186.98	8,184.99	1.99	4,108.687	
2,200.00	2,192.66	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,218.29	8,216.29	1.99	4,124.398	
2,300.00	2,292.24	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,250.68	8,248.69	1.99	4,140.657	
2,400.00	2,391.81	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,284.16	8,282.17	1.99	4,157.459	
2,500.00	2,491.39	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,318.71	8,316.72	1.99	4,174.796	
2,600.00	2,590.96	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,354.31	8,352.32	1.99	4,192.662	
2,700.00	2,690.53	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,390.95	8,388.96	1.99	4,211.051	
2,800.00	2,790.11	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,428.62	8,426.63	1.99	4,229.955	
2,900.00	2,889.68	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,467.30	8,465.31	1.99	4,249.368	
3,000.00	2,989.26	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,506.98	8,504.99	1.99	4,269.282	
3,100.00	3,088.83	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,547.65	8,545.66	1.99	4,289.691	
3,200.00	3,188.41	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,589.29	8,587.30	1.99	4,310.588	
3,300.00	3,287.98	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,631.89	8,629.89	1.99	4,331.966	
3,400.00	3,387.56	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,675.43	8,673.43	1.99	4,353.817	
3,500.00	3,487.13	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,719.90	8,717.90	1.99	4,376.134	
3,600.00	3,586.70	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,765.28	8,763.29	1.99	4,398.911	
3,700.00	3,686.28	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,811.57	8,809.58	1.99	4,422.140	
3,800.00	3,785.85	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,858.74	8,856.75	1.99	4,445.814	
3,900.00	3,885.43	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,906.79	8,904.79	1.99	4,469.927	
4,000.00	3,985.00	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,955.69	8,953.70	1.99	4,494.470	
4,100.00	4,084.58	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,005.44	9,003.45	1.99	4,519.437	
4,200.00	4,184.15	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,056.02	9,054.03	1.99	4,544.822	
4,300.00	4,283.72	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,107.42	9,105.43	1.99	4,570.616	
4,400.00	4,383.30	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,159.62	9,157.63	1.99	4,596.814	
4,500.00	4,482.87	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,212.61	9,210.62	1.99	4,623.408	
4,600.00	4,582.45	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,266.38	9,264.39	1.99	4,650.391	
4,700.00	4,682.02	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,320.91	9,318.92	1.99	4,677.757	
4,800.00	4,781.60	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,376.19	9,374.20	1.99	4,705.500	
4,900.00	4,881.17	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,432.21	9,430.21	1.99	4,733.612	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.74	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,488.95	9,486.95	1.99	4,762.087	
5,100.00	5,080.32	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,546.40	9,544.40	1.99	4,790.918	
5,200.00	5,179.89	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,604.54	9,602.55	1.99	4,820.099	
5,300.00	5,279.47	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,663.37	9,661.38	1.99	4,849.624	
5,400.00	5,379.04	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,722.88	9,720.89	1.99	4,879.487	
5,500.00	5,478.62	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,783.04	9,781.05	1.99	4,909.681	
5,600.00	5,578.19	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,843.86	9,841.86	1.99	4,940.200	
5,700.00	5,677.77	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,905.30	9,903.31	1.99	4,971.039	
5,800.00	5,777.34	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,967.38	9,965.39	1.99	5,002.191	
5,900.00	5,876.91	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,030.06	10,028.07	1.99	5,033.650	
6,000.00	5,976.49	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,093.35	10,091.36	1.99	5,065.412	
6,100.00	6,076.06	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,157.23	10,155.24	1.99	5,097.469	
6,200.00	6,175.64	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,221.69	10,219.69	1.99	5,129.818	
6,300.00	6,275.24	100.00	264.32	0.00	2.00	-161.09	-2,560.28	7,404.48	10,286.52	10,284.52	1.99	5,156.968	
6,400.00	6,375.13	100.00	264.32	0.00	2.00	17.87	-2,560.28	7,404.48	10,347.24	10,345.24	2.00	5,176.496	
6,500.00	6,474.53	100.00	264.32	0.00	2.00	16.29	-2,560.28	7,404.48	10,398.37	10,396.40	1.97	5,267.732	
6,600.00	6,571.72	100.00	264.32	0.00	2.00	15.35	-2,560.28	7,404.48	10,439.12	10,437.21	1.92	5,444.594	
6,700.00	6,665.06	100.00	264.32	0.00	2.00	14.73	-2,560.28	7,404.48	10,468.91	10,467.09	1.83	5,721.205	
6,800.00	6,752.94	100.00	264.32	0.00	2.00	14.37	-2,560.28	7,404.48	10,487.33	10,485.62	1.71	6,120.648	
6,900.00	6,833.85	100.00	264.32	0.00	2.00	14.24	-2,560.28	7,404.48	10,494.12	10,492.55	1.57	6,679.428	
7,000.00	6,906.42	100.00	264.32	0.00	2.00	14.33	-2,560.28	7,404.48	10,489.19	10,487.78	1.41	7,454.149	
7,100.00	6,969.40	100.00	264.32	0.00	2.00	14.64	-2,560.28	7,404.48	10,472.60	10,471.37	1.23	8,529.810	
7,200.00	7,021.72	100.00	264.32	0.00	2.00	15.20	-2,560.28	7,404.48	10,444.59	10,443.54	1.04	N/A	
7,300.00	7,062.47	100.00	264.32	0.00	2.00	16.06	-2,560.28	7,404.48	10,405.54	10,404.67	0.87	N/A	
7,400.00	7,090.97	100.00	264.32	0.00	2.00	17.29	-2,560.28	7,404.48	10,356.00	10,355.27	0.73	N/A	
7,500.00	7,106.72	100.00	264.32	0.00	2.00	19.01	-2,560.28	7,404.48	10,296.68	10,296.01	0.67	N/A	
7,600.00	7,110.14	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	10,228.88	10,228.18	0.70	N/A	
7,700.00	7,110.55	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	10,159.52	10,158.82	0.70	N/A	
7,800.00	7,110.97	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	10,090.67	10,089.97	0.70	N/A	
7,900.00	7,111.38	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	10,022.35	10,021.65	0.70	N/A	
8,000.00	7,111.79	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,954.56	9,953.86	0.70	N/A	
8,100.00	7,112.21	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,887.32	9,886.62	0.70	N/A	
8,200.00	7,112.62	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,820.63	9,819.93	0.70	N/A	
8,300.00	7,113.03	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,754.52	9,753.82	0.70	N/A	
8,400.00	7,113.45	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,688.99	9,688.28	0.70	N/A	
8,500.00	7,113.86	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,624.05	9,623.34	0.70	N/A	
8,600.00	7,114.28	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,559.71	9,559.01	0.70	N/A	
8,700.00	7,114.69	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,495.99	9,495.29	0.70	N/A	
8,800.00	7,115.10	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,432.90	9,432.20	0.70	N/A	
8,900.00	7,115.52	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,370.46	9,369.75	0.70	N/A	
9,000.00	7,115.93	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,308.67	9,307.96	0.70	N/A	
9,100.00	7,116.35	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,247.54	9,246.84	0.70	N/A	
9,200.00	7,116.76	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,187.10	9,186.40	0.70	N/A	
9,300.00	7,117.17	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,127.36	9,126.66	0.70	N/A	
9,400.00	7,117.59	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,068.32	9,067.62	0.70	N/A	
9,500.00	7,118.00	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	9,010.01	9,009.31	0.70	N/A	
9,600.00	7,118.41	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,952.43	8,951.73	0.70	N/A	
9,700.00	7,118.83	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,895.61	8,894.91	0.70	N/A	
9,800.00	7,119.24	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,839.55	8,838.85	0.70	N/A	
9,900.00	7,119.66	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,784.27	8,783.57	0.70	N/A	
10,000.00	7,120.07	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,729.79	8,729.09	0.70	N/A	
10,100.00	7,120.48	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,676.12	8,675.42	0.70	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,120.90	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,623.27	8,622.57	0.70	N/A	
10,300.00	7,121.31	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,571.27	8,570.57	0.70	N/A	
10,400.00	7,121.73	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,520.12	8,519.42	0.70	N/A	
10,500.00	7,122.14	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,469.84	8,469.14	0.70	N/A	
10,600.00	7,122.55	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,420.45	8,419.75	0.70	N/A	
10,700.00	7,122.97	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,371.97	8,371.27	0.70	N/A	
10,800.00	7,123.38	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,324.40	8,323.70	0.70	N/A	
10,900.00	7,123.79	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,277.77	8,277.07	0.70	N/A	
11,000.00	7,124.21	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,232.09	8,231.38	0.70	N/A	
11,100.00	7,124.62	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,187.37	8,186.67	0.70	N/A	
11,200.00	7,125.04	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,143.64	8,142.94	0.70	N/A	
11,300.00	7,125.45	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,100.90	8,100.20	0.70	N/A	
11,400.00	7,125.86	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,059.18	8,058.48	0.70	N/A	
11,500.00	7,126.28	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	8,018.49	8,017.79	0.70	N/A	
11,600.00	7,126.69	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,978.85	7,978.15	0.70	N/A	
11,700.00	7,127.11	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,940.27	7,939.56	0.70	N/A	
11,800.00	7,127.52	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,902.76	7,902.06	0.70	N/A	
11,900.00	7,127.93	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,866.35	7,865.65	0.70	N/A	
12,000.00	7,128.35	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,831.04	7,830.34	0.70	N/A	
12,100.00	7,128.76	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,796.86	7,796.16	0.70	N/A	
12,200.00	7,129.18	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,763.82	7,763.11	0.70	N/A	
12,300.00	7,129.59	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,731.92	7,731.22	0.70	N/A	
12,400.00	7,130.00	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,701.20	7,700.49	0.70	N/A	
12,500.00	7,130.42	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,671.65	7,670.95	0.70	N/A	
12,600.00	7,130.83	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,643.30	7,642.60	0.70	N/A	
12,700.00	7,131.24	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,616.16	7,615.45	0.70	N/A	
12,800.00	7,131.66	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,590.23	7,589.53	0.70	N/A	
12,900.00	7,132.07	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,565.54	7,564.84	0.70	N/A	
13,000.00	7,132.49	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,542.10	7,541.39	0.70	N/A	
13,100.00	7,132.90	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,519.91	7,519.21	0.70	N/A	
13,200.00	7,133.31	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,498.99	7,498.29	0.70	N/A	
13,300.00	7,133.73	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,479.35	7,478.64	0.70	N/A	
13,400.00	7,134.14	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,460.99	7,460.29	0.70	N/A	
13,500.00	7,134.56	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,443.94	7,443.24	0.70	N/A	
13,600.00	7,134.97	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,428.19	7,427.49	0.70	N/A	
13,700.00	7,135.38	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,413.76	7,413.06	0.70	N/A	
13,800.00	7,135.80	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,400.65	7,399.95	0.70	N/A	
13,900.00	7,136.21	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,388.87	7,388.17	0.70	N/A	
14,000.00	7,136.62	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,378.43	7,377.73	0.70	N/A	
14,100.00	7,137.04	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,369.33	7,368.63	0.70	N/A	
14,200.00	7,137.45	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,361.58	7,360.87	0.70	N/A	
14,300.00	7,137.87	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,355.18	7,354.47	0.70	N/A	
14,400.00	7,138.28	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,350.13	7,349.43	0.70	N/A	
14,500.00	7,138.69	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,346.44	7,345.74	0.70	N/A	
14,600.00	7,139.11	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,344.11	7,343.41	0.70	N/A	
14,700.00	7,139.52	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,343.15	7,342.44	0.70	N/A	
14,721.01	7,139.61	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,343.12	7,342.41	0.70	N/A	CC, ES
14,800.00	7,139.94	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,343.54	7,342.84	0.70	N/A	
14,900.00	7,140.35	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,345.30	7,344.60	0.70	N/A	
15,000.00	7,140.76	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,348.41	7,347.71	0.70	N/A	
15,100.00	7,141.18	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,352.89	7,352.19	0.70	N/A	
15,200.00	7,141.59	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,358.72	7,358.02	0.70	N/A	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	7,142.00	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,365.91	7,365.21	0.70	N/A	
15,400.00	7,142.42	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,374.44	7,373.74	0.70	N/A	
15,500.00	7,142.83	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,384.32	7,383.62	0.70	N/A	
15,600.00	7,143.25	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,395.54	7,394.84	0.70	N/A	
15,700.00	7,143.66	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,408.09	7,407.39	0.70	N/A	
15,800.00	7,144.07	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,421.97	7,421.26	0.70	N/A	
15,900.00	7,144.49	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,437.16	7,436.46	0.70	N/A	
16,000.00	7,144.90	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,453.67	7,452.97	0.70	N/A	
16,100.00	7,145.32	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,471.48	7,470.78	0.70	N/A	
16,200.00	7,145.73	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,490.58	7,489.88	0.70	N/A	
16,300.00	7,146.14	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,510.96	7,510.26	0.70	N/A	
16,400.00	7,146.56	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,532.62	7,531.92	0.70	N/A	
16,500.00	7,146.97	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,555.54	7,554.84	0.70	N/A	
16,600.00	7,147.38	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,579.71	7,579.01	0.70	N/A	
16,700.00	7,147.80	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,605.12	7,604.41	0.70	N/A	
16,800.00	7,148.21	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,631.75	7,631.05	0.70	N/A	
16,900.00	7,148.63	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,659.59	7,658.89	0.70	N/A	
17,000.00	7,149.04	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,688.64	7,687.94	0.70	N/A	
17,100.00	7,149.45	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,718.87	7,718.17	0.70	N/A	
17,200.00	7,149.87	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,750.28	7,749.57	0.70	N/A	
17,232.03	7,150.00	100.00	264.32	0.00	2.00	20.56	-2,560.28	7,404.48	7,760.58	7,759.88	0.70	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	11.65	0.00	0.00	77.86	761.40	3,538.14	3,619.16				
100.00	100.00	88.35	100.00	0.00	1.77	77.86	761.40	3,538.14	3,619.14	3,617.37	1.77	2,047.924	
200.00	200.00	188.35	200.00	0.00	5.53	77.86	761.40	3,538.14	3,619.14	3,613.60	5.53	653.959	
300.00	300.00	288.35	300.00	0.00	9.53	77.86	761.40	3,538.14	3,619.14	3,609.60	9.53	379.595	CC
400.00	399.98	388.33	399.98	0.00	13.53	167.80	761.40	3,538.14	3,620.84	3,607.32	13.53	267.705	ES
500.00	499.84	488.19	499.84	0.00	17.53	167.79	761.40	3,538.14	3,625.96	3,608.47	17.49	207.353	
600.00	599.47	587.82	599.47	0.00	21.51	167.80	761.40	3,538.14	3,634.26	3,612.84	21.43	169.622	
700.00	699.05	687.40	699.05	0.00	25.50	167.83	761.40	3,538.14	3,643.28	3,617.88	25.39	143.479	
800.00	798.62	786.97	798.62	0.00	29.48	167.86	761.40	3,538.14	3,652.29	3,622.93	29.36	124.400	
900.00	898.20	886.55	898.20	0.00	33.46	167.89	761.40	3,538.14	3,661.30	3,627.97	33.33	109.863	
1,000.00	997.77	986.12	997.77	0.00	37.44	167.92	761.40	3,538.14	3,670.31	3,633.02	37.29	98.419	
1,100.00	1,097.35	1,085.70	1,097.35	0.00	41.43	167.95	761.40	3,538.14	3,679.33	3,638.07	41.26	89.176	
1,200.00	1,196.92	1,185.27	1,196.92	0.00	45.41	167.98	761.40	3,538.14	3,688.34	3,643.12	45.23	81.553	
1,300.00	1,296.49	1,284.84	1,296.49	0.00	49.39	168.01	761.40	3,538.14	3,697.36	3,648.17	49.19	75.161	
1,400.00	1,396.07	1,384.42	1,396.07	0.00	53.38	168.04	761.40	3,538.14	3,706.38	3,653.22	53.16	69.722	
1,500.00	1,495.64	1,483.99	1,495.64	0.00	57.36	168.07	761.40	3,538.14	3,715.40	3,658.27	57.13	65.038	
1,600.00	1,595.22	1,583.57	1,595.22	0.00	61.34	168.10	761.40	3,538.14	3,724.42	3,663.33	61.09	60.963	
1,700.00	1,694.79	1,683.14	1,694.79	0.00	65.33	168.13	761.40	3,538.14	3,733.44	3,668.38	65.06	57.385	
1,800.00	1,794.37	1,782.72	1,794.37	0.00	69.31	168.16	761.40	3,538.14	3,742.46	3,673.43	69.03	54.218	
1,900.00	1,893.94	1,882.29	1,893.94	0.00	73.29	168.19	761.40	3,538.14	3,751.48	3,678.49	72.99	51.395	
2,000.00	1,993.51	1,981.86	1,993.51	0.00	77.27	168.22	761.40	3,538.14	3,760.51	3,683.55	76.96	48.863	
2,100.00	2,093.09	2,081.44	2,093.09	0.00	81.26	168.25	761.40	3,538.14	3,769.53	3,688.61	80.93	46.580	
2,200.00	2,192.66	2,181.01	2,192.66	0.00	85.24	168.27	761.40	3,538.14	3,778.56	3,693.66	84.89	44.510	
2,300.00	2,292.24	2,280.59	2,292.24	0.00	89.22	168.30	761.40	3,538.14	3,787.58	3,698.72	88.86	42.624	
2,400.00	2,391.81	2,380.16	2,391.81	0.00	93.21	168.33	761.40	3,538.14	3,796.61	3,703.79	92.83	40.900	
2,500.00	2,491.39	2,479.74	2,491.39	0.00	97.19	168.36	761.40	3,538.14	3,805.64	3,708.85	96.79	39.317	
2,600.00	2,590.96	2,579.31	2,590.96	0.00	101.17	168.39	761.40	3,538.14	3,814.67	3,713.91	100.76	37.859	
2,700.00	2,690.53	2,678.88	2,690.53	0.00	105.16	168.41	761.40	3,538.14	3,823.70	3,718.97	104.73	36.511	
2,800.00	2,790.11	2,778.46	2,790.11	0.00	109.14	168.44	761.40	3,538.14	3,832.73	3,724.04	108.69	35.262	
2,900.00	2,889.68	2,878.03	2,889.68	0.00	113.12	168.47	761.40	3,538.14	3,841.76	3,729.10	112.66	34.101	
3,000.00	2,989.26	2,977.61	2,989.26	0.00	117.10	168.50	761.40	3,538.14	3,850.79	3,734.17	116.63	33.018	
3,100.00	3,088.83	3,077.18	3,088.83	0.00	121.09	168.52	761.40	3,538.14	3,859.83	3,739.24	120.59	32.007	
3,200.00	3,188.41	3,176.76	3,188.41	0.00	125.07	168.55	761.40	3,538.14	3,868.86	3,744.30	124.56	31.060	
3,300.00	3,287.98	3,276.33	3,287.98	0.00	129.05	168.58	761.40	3,538.14	3,877.90	3,749.37	128.53	30.172	
3,400.00	3,387.56	3,375.91	3,387.56	0.00	133.04	168.60	761.40	3,538.14	3,886.93	3,754.44	132.49	29.337	
3,500.00	3,487.13	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,896.12	3,761.04	135.09	28.842	SF
3,600.00	3,586.70	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,907.31	3,772.22	135.09	28.925	
3,700.00	3,686.28	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,921.01	3,785.93	135.09	29.026	
3,800.00	3,785.85	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,937.21	3,802.13	135.09	29.146	
3,900.00	3,885.43	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,955.87	3,820.79	135.09	29.284	
4,000.00	3,985.00	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,976.96	3,841.87	135.09	29.440	
4,100.00	4,084.58	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,000.44	3,865.35	135.09	29.614	
4,200.00	4,184.15	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,026.26	3,891.18	135.09	29.805	
4,300.00	4,283.72	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,054.39	3,919.30	135.09	30.014	
4,400.00	4,383.30	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,084.77	3,949.69	135.09	30.238	
4,500.00	4,482.87	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,117.36	3,982.27	135.09	30.480	
4,600.00	4,582.45	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,152.10	4,017.01	135.09	30.737	
4,700.00	4,682.02	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,188.94	4,053.85	135.09	31.010	
4,800.00	4,781.60	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,227.82	4,092.74	135.09	31.297	
4,900.00	4,881.17	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,268.70	4,133.61	135.09	31.600	
5,000.00	4,980.74	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,311.50	4,176.42	135.09	31.917	
5,100.00	5,080.32	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,356.19	4,221.10	135.09	32.248	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,402.69	4,267.60	135.09	32.592	
5,300.00	5,279.47	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,450.95	4,315.86	135.09	32.949	
5,400.00	5,379.04	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,500.91	4,365.83	135.09	33.319	
5,500.00	5,478.62	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,552.53	4,417.44	135.09	33.701	
5,600.00	5,578.19	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,605.73	4,470.65	135.09	34.095	
5,700.00	5,677.77	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,660.48	4,525.39	135.09	34.500	
5,800.00	5,777.34	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,716.71	4,581.62	135.09	34.917	
5,900.00	5,876.91	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,774.37	4,639.29	135.09	35.343	
6,000.00	5,976.49	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,833.42	4,698.33	135.09	35.780	
6,100.00	6,076.06	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,893.79	4,758.71	135.09	36.227	
6,200.00	6,175.64	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,955.45	4,820.37	135.09	36.684	
6,300.00	6,275.24	3,441.00	3,452.65	0.00	135.64	168.75	761.40	3,538.14	5,018.14	4,882.90	135.24	37.106	
6,400.00	6,375.13	3,441.00	3,452.65	0.00	135.64	-9.82	761.40	3,538.14	5,077.11	4,941.57	135.54	37.457	
6,500.00	6,474.53	3,441.00	3,452.65	0.00	135.64	-9.36	761.40	3,538.14	5,126.76	4,993.00	133.76	38.328	
6,600.00	6,571.72	3,441.00	3,452.65	0.00	135.64	-8.88	761.40	3,538.14	5,166.43	5,036.69	129.74	39.823	
6,700.00	6,665.06	3,441.00	3,452.65	0.00	135.64	-8.54	761.40	3,538.14	5,195.68	5,072.14	123.54	42.058	
6,800.00	6,752.94	3,441.00	3,452.65	0.00	135.64	-8.34	761.40	3,538.14	5,214.18	5,098.90	115.28	45.231	
6,900.00	6,833.85	3,441.00	3,452.65	0.00	135.64	-8.26	761.40	3,538.14	5,221.74	5,116.61	105.13	49.669	
7,000.00	6,906.42	3,441.00	3,452.65	0.00	135.64	-8.30	761.40	3,538.14	5,218.27	5,124.97	93.31	55.926	
7,100.00	6,969.40	3,441.00	3,452.65	0.00	135.64	-8.47	761.40	3,538.14	5,203.82	5,123.73	80.09	64.972	
7,200.00	7,021.72	3,441.00	3,452.65	0.00	135.64	-8.76	761.40	3,538.14	5,178.53	5,112.64	65.89	78.597	
7,300.00	7,062.47	3,441.00	3,452.65	0.00	135.64	-9.22	761.40	3,538.14	5,142.69	5,091.37	51.32	100.213	
7,400.00	7,090.97	3,441.00	3,452.65	0.00	135.64	-9.86	761.40	3,538.14	5,096.69	5,059.02	37.67	135.307	
7,500.00	7,106.72	3,441.00	3,452.65	0.00	135.64	-10.76	761.40	3,538.14	5,041.05	5,012.87	28.18	178.868	
7,600.00	7,110.14	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,976.93	4,949.72	27.21	182.929	
7,700.00	7,110.55	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,911.69	4,884.48	27.21	180.532	
7,800.00	7,110.97	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,847.64	4,820.43	27.21	178.177	
7,900.00	7,111.38	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,784.82	4,757.62	27.21	175.869	
8,000.00	7,111.79	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,723.29	4,696.08	27.21	173.607	
8,100.00	7,112.21	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,663.09	4,635.88	27.21	171.394	
8,200.00	7,112.62	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,604.27	4,577.06	27.21	169.232	
8,300.00	7,113.03	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,546.89	4,519.68	27.21	167.123	
8,400.00	7,113.45	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,491.01	4,463.80	27.21	165.069	
8,500.00	7,113.86	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,436.67	4,409.46	27.21	163.072	
8,600.00	7,114.28	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,383.94	4,356.74	27.21	161.134	
8,700.00	7,114.69	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,332.88	4,305.68	27.21	159.257	
8,800.00	7,115.10	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,283.55	4,256.34	27.21	157.444	
8,900.00	7,115.52	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,236.00	4,208.80	27.21	155.696	
9,000.00	7,115.93	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,190.30	4,163.10	27.21	154.017	
9,100.00	7,116.35	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,146.51	4,119.31	27.21	152.407	
9,200.00	7,116.76	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,104.69	4,077.48	27.21	150.870	
9,300.00	7,117.17	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,064.90	4,037.69	27.21	149.407	
9,400.00	7,117.59	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,027.20	3,999.99	27.21	148.022	
9,500.00	7,118.00	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,991.65	3,964.44	27.21	146.715	
9,600.00	7,118.41	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,958.30	3,931.09	27.21	145.489	
9,700.00	7,118.83	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,927.22	3,900.01	27.21	144.347	
9,800.00	7,119.24	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,898.46	3,871.25	27.21	143.290	
9,900.00	7,119.66	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,872.07	3,844.86	27.21	142.320	
10,000.00	7,120.07	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,848.09	3,820.89	27.21	141.439	
10,100.00	7,120.48	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,826.58	3,799.38	27.21	140.648	
10,200.00	7,120.90	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,807.58	3,780.37	27.21	139.949	
10,300.00	7,121.31	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,791.12	3,763.91	27.21	139.344	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,777.23	3,750.03	27.21	138.834	
10,500.00	7,122.14	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,765.95	3,738.75	27.21	138.419	
10,600.00	7,122.55	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,757.30	3,730.10	27.21	138.102	
10,700.00	7,122.97	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,751.30	3,724.09	27.21	137.881	
10,800.00	7,123.38	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,747.96	3,720.75	27.21	137.758	
10,875.41	7,123.69	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,747.20	3,719.99	27.21	137.730	
10,900.00	7,123.79	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,747.28	3,720.07	27.21	137.733	
11,000.00	7,124.21	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,749.27	3,722.06	27.21	137.806	
11,100.00	7,124.62	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,753.92	3,726.71	27.21	137.977	
11,200.00	7,125.04	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,761.23	3,734.02	27.21	138.246	
11,300.00	7,125.45	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,771.18	3,743.97	27.21	138.611	
11,400.00	7,125.86	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,783.74	3,756.53	27.21	139.073	
11,500.00	7,126.28	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,798.89	3,771.69	27.21	139.630	
11,600.00	7,126.69	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,816.61	3,789.40	27.21	140.281	
11,700.00	7,127.11	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,836.85	3,809.65	27.21	141.025	
11,800.00	7,127.52	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,859.58	3,832.37	27.21	141.861	
11,900.00	7,127.93	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,884.75	3,857.54	27.21	142.786	
12,000.00	7,128.35	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,912.31	3,885.11	27.21	143.799	
12,100.00	7,128.76	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,942.22	3,915.01	27.21	144.898	
12,200.00	7,129.18	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	3,974.42	3,947.21	27.21	146.082	
12,300.00	7,129.59	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,008.86	3,981.65	27.21	147.347	
12,400.00	7,130.00	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,045.47	4,018.27	27.21	148.693	
12,500.00	7,130.42	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,084.21	4,057.00	27.21	150.117	
12,600.00	7,130.83	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,125.01	4,097.80	27.21	151.617	
12,700.00	7,131.24	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,167.81	4,140.60	27.21	153.190	
12,800.00	7,131.66	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,212.54	4,185.34	27.21	154.834	
12,900.00	7,132.07	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,259.16	4,231.95	27.21	156.548	
13,000.00	7,132.49	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,307.59	4,280.39	27.21	158.328	
13,100.00	7,132.90	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,357.78	4,330.58	27.21	160.172	
13,200.00	7,133.31	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,409.67	4,382.47	27.21	162.080	
13,300.00	7,133.73	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,463.20	4,435.99	27.21	164.047	
13,400.00	7,134.14	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,518.30	4,491.09	27.21	166.072	
13,500.00	7,134.56	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,574.93	4,547.72	27.21	168.154	
13,600.00	7,134.97	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,633.02	4,605.81	27.21	170.289	
13,700.00	7,135.38	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,692.53	4,665.32	27.21	172.476	
13,800.00	7,135.80	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,753.39	4,726.18	27.21	174.713	
13,900.00	7,136.21	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,815.56	4,788.35	27.21	176.998	
14,000.00	7,136.62	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,878.99	4,851.78	27.21	179.330	
14,100.00	7,137.04	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	4,943.63	4,916.42	27.21	181.705	
14,200.00	7,137.45	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,009.43	4,982.22	27.21	184.124	
14,300.00	7,137.87	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,076.35	5,049.14	27.21	186.584	
14,400.00	7,138.28	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,144.34	5,117.13	27.21	189.083	
14,500.00	7,138.69	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,213.36	5,186.16	27.21	191.620	
14,600.00	7,139.11	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,283.38	5,256.17	27.21	194.193	
14,700.00	7,139.52	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,354.34	5,327.14	27.21	196.801	
14,800.00	7,139.94	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,426.22	5,399.02	27.21	199.443	
14,900.00	7,140.35	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,498.98	5,471.78	27.21	202.118	
15,000.00	7,140.76	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,572.59	5,545.38	27.21	204.823	
15,100.00	7,141.18	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,647.00	5,619.80	27.21	207.558	
15,200.00	7,141.59	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,722.20	5,694.99	27.21	210.322	
15,300.00	7,142.00	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,798.15	5,770.94	27.21	213.114	
15,400.00	7,142.42	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,874.81	5,847.60	27.21	215.932	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	5,952.17	5,924.96	27.21	218.775	
15,600.00	7,143.25	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,030.19	6,002.99	27.21	221.643	
15,700.00	7,143.66	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,108.86	6,081.65	27.21	224.534	
15,800.00	7,144.07	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,188.14	6,160.93	27.21	227.448	
15,900.00	7,144.49	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,268.01	6,240.81	27.21	230.384	
16,000.00	7,144.90	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,348.46	6,321.25	27.21	233.341	
16,100.00	7,145.32	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,429.45	6,402.24	27.21	236.318	
16,200.00	7,145.73	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,510.97	6,483.76	27.21	239.314	
16,300.00	7,146.14	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,593.00	6,565.79	27.21	242.329	
16,400.00	7,146.56	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,675.52	6,648.31	27.21	245.362	
16,500.00	7,146.97	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,758.51	6,731.31	27.21	248.412	
16,600.00	7,147.38	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,841.96	6,814.75	27.21	251.480	
16,700.00	7,147.80	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	6,925.85	6,898.64	27.21	254.563	
16,800.00	7,148.21	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,010.15	6,982.95	27.21	257.662	
16,900.00	7,148.63	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,094.87	7,067.66	27.21	260.775	
17,000.00	7,149.04	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,179.98	7,152.77	27.21	263.904	
17,100.00	7,149.45	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,265.47	7,238.26	27.21	267.046	
17,200.00	7,149.87	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,351.32	7,324.12	27.21	270.201	
17,232.03	7,150.00	3,441.00	3,452.65	0.00	135.64	-11.57	761.40	3,538.14	7,378.90	7,351.69	27.21	271.215	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	44.17	0.00	0.00	127.09	-2,352.45	3,111.23	3,900.73				
100.00	100.00	55.83	100.00	0.00	1.12	127.09	-2,352.45	3,111.23	3,900.48	3,899.37	1.12	3,492.277	
200.00	200.00	155.83	200.00	0.00	4.23	127.09	-2,352.45	3,111.23	3,900.48	3,896.25	4.23	921.360	
300.00	300.00	255.83	300.00	0.00	8.23	127.09	-2,352.45	3,111.23	3,900.48	3,892.25	8.23	473.739	CC
400.00	399.98	355.81	399.98	0.00	12.23	-142.96	-2,352.45	3,111.23	3,901.88	3,889.65	12.23	319.098	ES
500.00	499.84	455.67	499.84	0.00	16.23	-142.96	-2,352.45	3,111.23	3,906.06	3,889.85	16.20	241.089	
600.00	599.47	555.30	599.47	0.00	20.21	-142.98	-2,352.45	3,111.23	3,912.85	3,892.69	20.16	194.113	
700.00	699.05	654.88	699.05	0.00	24.20	-143.06	-2,352.45	3,111.23	3,920.22	3,896.09	24.13	162.465	
800.00	798.62	754.45	798.62	0.00	28.18	-143.14	-2,352.45	3,111.23	3,927.60	3,899.50	28.10	139.765	
900.00	898.20	854.03	898.20	0.00	32.16	-143.22	-2,352.45	3,111.23	3,934.99	3,902.92	32.07	122.687	
1,000.00	997.77	953.60	997.77	0.00	36.14	-143.30	-2,352.45	3,111.23	3,942.39	3,906.34	36.05	109.373	
1,100.00	1,097.35	1,053.18	1,097.35	0.00	40.13	-143.38	-2,352.45	3,111.23	3,949.80	3,909.78	40.02	98.702	
1,200.00	1,196.92	1,152.75	1,196.92	0.00	44.11	-143.46	-2,352.45	3,111.23	3,957.21	3,913.22	43.99	89.959	
1,300.00	1,296.49	1,252.32	1,296.49	0.00	48.09	-143.54	-2,352.45	3,111.23	3,964.63	3,916.67	47.96	82.664	
1,400.00	1,396.07	1,351.90	1,396.07	0.00	52.08	-143.62	-2,352.45	3,111.23	3,972.06	3,920.12	51.93	76.485	
1,500.00	1,495.64	1,451.47	1,495.64	0.00	56.06	-143.70	-2,352.45	3,111.23	3,979.49	3,923.59	55.90	71.184	
1,600.00	1,595.22	1,551.05	1,595.22	0.00	60.04	-143.78	-2,352.45	3,111.23	3,986.93	3,927.06	59.88	66.587	
1,700.00	1,694.79	1,650.62	1,694.79	0.00	64.02	-143.86	-2,352.45	3,111.23	3,994.38	3,930.54	63.85	62.561	
1,800.00	1,794.37	1,750.20	1,794.37	0.00	68.01	-143.93	-2,352.45	3,111.23	4,001.84	3,934.02	67.82	59.008	
1,900.00	1,893.94	1,849.77	1,893.94	0.00	71.99	-144.01	-2,352.45	3,111.23	4,009.31	3,937.52	71.79	55.847	
2,000.00	1,993.51	1,949.34	1,993.51	0.00	75.97	-144.09	-2,352.45	3,111.23	4,016.78	3,941.02	75.76	53.018	
2,100.00	2,093.09	2,048.92	2,093.09	0.00	79.96	-144.16	-2,352.45	3,111.23	4,024.26	3,944.52	79.73	50.471	
2,200.00	2,192.66	2,148.49	2,192.66	0.00	83.94	-144.24	-2,352.45	3,111.23	4,031.74	3,948.04	83.70	48.166	
2,300.00	2,292.24	2,248.07	2,292.24	0.00	87.92	-144.32	-2,352.45	3,111.23	4,039.24	3,951.56	87.68	46.070	
2,400.00	2,391.81	2,347.64	2,391.81	0.00	91.91	-144.39	-2,352.45	3,111.23	4,046.74	3,955.09	91.65	44.155	
2,500.00	2,491.39	2,447.22	2,491.39	0.00	95.89	-144.47	-2,352.45	3,111.23	4,054.25	3,958.63	95.62	42.400	
2,600.00	2,590.96	2,546.79	2,590.96	0.00	99.87	-144.54	-2,352.45	3,111.23	4,061.76	3,962.17	99.59	40.785	
2,700.00	2,690.53	2,646.36	2,690.53	0.00	103.85	-144.62	-2,352.45	3,111.23	4,069.28	3,965.72	103.56	39.294	
2,800.00	2,790.11	2,745.94	2,790.11	0.00	107.84	-144.69	-2,352.45	3,111.23	4,076.81	3,969.28	107.53	37.912	
2,900.00	2,889.68	2,845.51	2,889.68	0.00	111.82	-144.77	-2,352.45	3,111.23	4,084.35	3,972.84	111.50	36.630	
3,000.00	2,989.26	2,945.09	2,989.26	0.00	115.80	-144.84	-2,352.45	3,111.23	4,091.89	3,976.42	115.47	35.435	
3,100.00	3,088.83	3,044.66	3,088.83	0.00	119.79	-144.92	-2,352.45	3,111.23	4,099.44	3,979.99	119.45	34.321	
3,200.00	3,188.41	3,144.24	3,188.41	0.00	123.77	-144.99	-2,352.45	3,111.23	4,107.00	3,983.58	123.42	33.278	
3,300.00	3,287.98	3,243.81	3,287.98	0.00	127.75	-145.06	-2,352.45	3,111.23	4,114.56	3,987.17	127.39	32.300	
3,400.00	3,387.56	3,343.39	3,387.56	0.00	131.74	-145.14	-2,352.45	3,111.23	4,122.13	3,990.77	131.36	31.381	
3,500.00	3,487.13	3,442.96	3,487.13	0.00	135.72	-145.21	-2,352.45	3,111.23	4,129.71	3,994.38	135.33	30.516	
3,600.00	3,586.70	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,137.93	4,001.52	136.41	30.335	SF
3,700.00	3,686.28	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,148.45	4,012.04	136.41	30.412	
3,800.00	3,785.85	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,161.35	4,024.95	136.41	30.507	
3,900.00	3,885.43	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,176.61	4,040.20	136.41	30.619	
4,000.00	3,985.00	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,194.20	4,057.79	136.41	30.748	
4,100.00	4,084.58	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,214.09	4,077.68	136.41	30.893	
4,200.00	4,184.15	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,236.24	4,099.83	136.41	31.056	
4,300.00	4,283.72	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,260.63	4,124.22	136.41	31.235	
4,400.00	4,383.30	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,287.21	4,150.80	136.41	31.429	
4,500.00	4,482.87	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,315.95	4,179.54	136.41	31.640	
4,600.00	4,582.45	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,346.79	4,210.39	136.41	31.866	
4,700.00	4,682.02	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,379.71	4,243.30	136.41	32.108	
4,800.00	4,781.60	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,414.64	4,278.23	136.41	32.364	
4,900.00	4,881.17	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,451.55	4,315.14	136.41	32.634	
5,000.00	4,980.74	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,490.38	4,353.97	136.41	32.919	
5,100.00	5,080.32	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,531.08	4,394.68	136.41	33.217	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,573.61	4,437.21	136.41	33.529	
5,300.00	5,279.47	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,617.92	4,481.51	136.41	33.854	
5,400.00	5,379.04	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,663.94	4,527.54	136.41	34.191	
5,500.00	5,478.62	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,711.65	4,575.24	136.41	34.541	
5,600.00	5,578.19	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,760.97	4,624.56	136.41	34.903	
5,700.00	5,677.77	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,811.86	4,675.46	136.41	35.276	
5,800.00	5,777.34	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,864.28	4,727.88	136.41	35.660	
5,900.00	5,876.91	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,918.18	4,781.77	136.41	36.055	
6,000.00	5,976.49	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,973.50	4,837.09	136.41	36.461	
6,100.00	6,076.06	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	5,030.20	4,893.79	136.41	36.876	
6,200.00	6,175.64	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	5,088.24	4,951.83	136.41	37.302	
6,300.00	6,275.24	3,470.00	3,514.17	0.00	136.80	-145.56	-2,352.45	3,111.23	5,147.38	5,010.87	136.51	37.706	
6,400.00	6,375.13	3,470.00	3,514.17	0.00	136.80	32.51	-2,352.45	3,111.23	5,203.50	5,066.78	136.73	38.057	
6,500.00	6,474.53	3,470.00	3,514.17	0.00	136.80	30.10	-2,352.45	3,111.23	5,251.66	5,116.31	135.34	38.802	
6,600.00	6,571.72	3,470.00	3,514.17	0.00	136.80	28.49	-2,352.45	3,111.23	5,291.18	5,159.07	132.11	40.051	
6,700.00	6,665.06	3,470.00	3,514.17	0.00	136.80	27.36	-2,352.45	3,111.23	5,321.59	5,194.54	127.04	41.887	
6,800.00	6,752.94	3,470.00	3,514.17	0.00	136.80	26.62	-2,352.45	3,111.23	5,342.52	5,222.22	120.30	44.410	
6,900.00	6,833.85	3,470.00	3,514.17	0.00	136.80	26.24	-2,352.45	3,111.23	5,353.73	5,241.59	112.14	47.740	
7,000.00	6,906.42	3,470.00	3,514.17	0.00	136.80	26.19	-2,352.45	3,111.23	5,355.10	5,252.11	102.99	51.996	
7,100.00	6,969.40	3,470.00	3,514.17	0.00	136.80	26.47	-2,352.45	3,111.23	5,346.60	5,253.16	93.44	57.219	
7,200.00	7,021.72	3,470.00	3,514.17	0.00	136.80	27.10	-2,352.45	3,111.23	5,328.33	5,243.98	84.34	63.174	
7,300.00	7,062.47	3,470.00	3,514.17	0.00	136.80	28.11	-2,352.45	3,111.23	5,300.51	5,223.63	76.87	68.950	
7,400.00	7,090.97	3,470.00	3,514.17	0.00	136.80	29.55	-2,352.45	3,111.23	5,263.46	5,191.01	72.45	72.648	
7,500.00	7,106.72	3,470.00	3,514.17	0.00	136.80	31.52	-2,352.45	3,111.23	5,217.64	5,145.31	72.32	72.143	
7,600.00	7,110.14	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,164.07	5,089.15	74.92	68.927	
7,700.00	7,110.55	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,109.72	5,034.80	74.92	68.202	
7,800.00	7,110.97	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,056.77	4,981.85	74.92	67.495	
7,900.00	7,111.38	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,005.25	4,930.33	74.92	66.807	
8,000.00	7,111.79	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,955.22	4,880.30	74.92	66.139	
8,100.00	7,112.21	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,906.72	4,831.80	74.92	65.492	
8,200.00	7,112.62	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,859.79	4,784.87	74.92	64.866	
8,300.00	7,113.03	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,814.48	4,739.56	74.92	64.261	
8,400.00	7,113.45	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,770.83	4,695.91	74.92	63.678	
8,500.00	7,113.86	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,728.90	4,653.98	74.92	63.119	
8,600.00	7,114.28	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,688.73	4,613.80	74.92	62.582	
8,700.00	7,114.69	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,650.36	4,575.43	74.92	62.070	
8,800.00	7,115.10	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,613.83	4,538.91	74.92	61.583	
8,900.00	7,115.52	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,579.20	4,504.28	74.92	61.121	
9,000.00	7,115.93	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,546.51	4,471.59	74.92	60.684	
9,100.00	7,116.35	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,515.80	4,440.88	74.92	60.274	
9,200.00	7,116.76	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,487.10	4,412.18	74.92	59.891	
9,300.00	7,117.17	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,460.46	4,385.54	74.92	59.536	
9,400.00	7,117.59	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,435.92	4,361.00	74.92	59.208	
9,500.00	7,118.00	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,413.51	4,338.59	74.92	58.909	
9,600.00	7,118.41	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,393.26	4,318.34	74.92	58.639	
9,700.00	7,118.83	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,375.20	4,300.28	74.92	58.398	
9,800.00	7,119.24	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,359.36	4,284.44	74.92	58.186	
9,900.00	7,119.66	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,345.76	4,270.84	74.92	58.005	
10,000.00	7,120.07	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,334.43	4,259.51	74.92	57.854	
10,100.00	7,120.48	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,325.39	4,250.47	74.92	57.733	
10,200.00	7,120.90	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,318.64	4,243.72	74.92	57.643	
10,300.00	7,121.31	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,314.20	4,239.28	74.92	57.583	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,312.07	4,237.15	74.92	57.555	
10,441.72	7,121.90	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,311.87	4,236.95	74.92	57.552	
10,500.00	7,122.14	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,312.26	4,237.34	74.92	57.558	
10,600.00	7,122.55	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,314.77	4,239.85	74.92	57.591	
10,700.00	7,122.97	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,319.60	4,244.68	74.92	57.656	
10,800.00	7,123.38	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,326.73	4,251.81	74.92	57.751	
10,900.00	7,123.79	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,336.15	4,261.23	74.92	57.877	
11,000.00	7,124.21	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,347.86	4,272.94	74.92	58.033	
11,100.00	7,124.62	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,361.83	4,286.91	74.92	58.219	
11,200.00	7,125.04	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,378.04	4,303.11	74.92	58.436	
11,300.00	7,125.45	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,396.46	4,321.54	74.92	58.681	
11,400.00	7,125.86	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,417.07	4,342.15	74.92	58.957	
11,500.00	7,126.28	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,439.84	4,364.92	74.92	59.260	
11,600.00	7,126.69	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,464.73	4,389.81	74.92	59.593	
11,700.00	7,127.11	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,491.71	4,416.79	74.92	59.953	
11,800.00	7,127.52	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,520.74	4,445.82	74.92	60.340	
11,900.00	7,127.93	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,551.79	4,476.87	74.92	60.755	
12,000.00	7,128.35	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,584.81	4,509.88	74.92	61.195	
12,100.00	7,128.76	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,619.75	4,544.83	74.92	61.662	
12,200.00	7,129.18	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,656.58	4,581.66	74.92	62.153	
12,300.00	7,129.59	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,695.25	4,620.33	74.92	62.670	
12,400.00	7,130.00	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,735.72	4,660.80	74.92	63.210	
12,500.00	7,130.42	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,777.94	4,703.02	74.92	63.773	
12,600.00	7,130.83	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,821.86	4,746.94	74.92	64.360	
12,700.00	7,131.24	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,867.45	4,792.52	74.92	64.968	
12,800.00	7,131.66	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,914.64	4,839.72	74.92	65.598	
12,900.00	7,132.07	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	4,963.40	4,888.48	74.92	66.249	
13,000.00	7,132.49	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,013.68	4,938.76	74.92	66.920	
13,100.00	7,132.90	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,065.44	4,990.52	74.92	67.611	
13,200.00	7,133.31	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,118.62	5,043.70	74.92	68.320	
13,300.00	7,133.73	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,173.20	5,098.28	74.92	69.049	
13,400.00	7,134.14	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,229.11	5,154.19	74.92	69.795	
13,500.00	7,134.56	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,286.33	5,211.41	74.92	70.559	
13,600.00	7,134.97	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,344.80	5,269.88	74.92	71.339	
13,700.00	7,135.38	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,404.50	5,329.58	74.92	72.136	
13,800.00	7,135.80	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,465.37	5,390.45	74.92	72.949	
13,900.00	7,136.21	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,527.38	5,452.46	74.92	73.776	
14,000.00	7,136.62	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,590.49	5,515.57	74.92	74.619	
14,100.00	7,137.04	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,654.66	5,579.74	74.92	75.475	
14,200.00	7,137.45	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,719.87	5,644.94	74.92	76.346	
14,300.00	7,137.87	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,786.06	5,711.14	74.92	77.229	
14,400.00	7,138.28	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,853.22	5,778.30	74.92	78.125	
14,500.00	7,138.69	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,921.30	5,846.38	74.92	79.034	
14,600.00	7,139.11	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	5,990.28	5,915.36	74.92	79.955	
14,700.00	7,139.52	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,060.13	5,985.21	74.92	80.887	
14,800.00	7,139.94	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,130.81	6,055.89	74.92	81.831	
14,900.00	7,140.35	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,202.29	6,127.37	74.92	82.785	
15,000.00	7,140.76	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,274.56	6,199.64	74.92	83.749	
15,100.00	7,141.18	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,347.58	6,272.66	74.92	84.724	
15,200.00	7,141.59	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,421.33	6,346.40	74.92	85.708	
15,300.00	7,142.00	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,495.77	6,420.85	74.92	86.702	
15,400.00	7,142.42	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,570.90	6,495.98	74.92	87.705	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,646.68	6,571.76	74.92	88.716	
15,600.00	7,143.25	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,723.10	6,648.18	74.92	89.736	
15,700.00	7,143.66	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,800.12	6,725.20	74.92	90.764	
15,800.00	7,144.07	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,877.74	6,802.82	74.92	91.800	
15,900.00	7,144.49	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	6,955.93	6,881.01	74.92	92.844	
16,000.00	7,144.90	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,034.68	6,959.76	74.92	93.895	
16,100.00	7,145.32	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,113.95	7,039.03	74.92	94.953	
16,200.00	7,145.73	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,193.75	7,118.82	74.92	96.018	
16,300.00	7,146.14	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,274.04	7,199.12	74.92	97.090	
16,400.00	7,146.56	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,354.81	7,279.89	74.92	98.168	
16,500.00	7,146.97	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,436.06	7,361.14	74.92	99.252	
16,600.00	7,147.38	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,517.75	7,442.83	74.92	100.343	
16,700.00	7,147.80	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,599.89	7,524.96	74.92	101.439	
16,800.00	7,148.21	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,682.44	7,607.52	74.92	102.541	
16,900.00	7,148.63	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,765.41	7,690.49	74.92	103.648	
17,000.00	7,149.04	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,848.77	7,773.85	74.92	104.761	
17,100.00	7,149.45	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	7,932.52	7,857.60	74.92	105.879	
17,200.00	7,149.87	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	8,016.64	7,941.72	74.92	107.002	
17,232.03	7,150.00	3,470.00	3,514.17	0.00	136.80	33.21	-2,352.45	3,111.23	8,043.67	7,968.74	74.92	107.362	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	36.17	0.00	0.00	71.62	2,856.20	8,594.51	9,056.75				
100.00	100.00	63.83	100.00	0.00	1.28	71.62	2,856.20	8,594.51	9,056.68	9,055.40	1.28	7,092.863	
107.84	107.84	71.67	107.84	0.00	1.43	71.62	2,856.20	8,594.51	9,056.68	9,055.25	1.43	6,317.020	
200.00	200.00	100.00	136.17	0.00	2.00	71.62	2,856.20	8,594.51	9,056.91	9,054.91	2.00	4,528.000	SF
300.00	300.00	100.00	136.17	0.00	2.00	71.62	2,856.20	8,594.51	9,058.16	9,056.16	2.00	4,528.628	
400.00	399.98	100.00	136.17	0.00	2.00	161.54	2,856.20	8,594.51	9,062.18	9,060.18	2.00	4,533.120	
500.00	499.84	100.00	136.17	0.00	2.00	161.48	2,856.20	8,594.51	9,070.60	9,068.60	2.00	4,544.797	
600.00	599.47	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,083.19	9,081.19	1.99	4,558.571	
700.00	699.05	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,097.54	9,095.55	1.99	4,565.774	
800.00	798.62	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,112.96	9,110.97	1.99	4,573.516	
900.00	898.20	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,129.46	9,127.47	1.99	4,581.795	
1,000.00	997.77	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,147.02	9,145.03	1.99	4,590.607	
1,100.00	1,097.35	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,165.64	9,163.64	1.99	4,599.951	
1,200.00	1,196.92	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,185.31	9,183.31	1.99	4,609.821	
1,300.00	1,296.49	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,206.02	9,204.03	1.99	4,620.216	
1,400.00	1,396.07	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,227.77	9,225.77	1.99	4,631.132	
1,500.00	1,495.64	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,250.55	9,248.55	1.99	4,642.564	
1,600.00	1,595.22	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,274.35	9,272.36	1.99	4,654.510	
1,700.00	1,694.79	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,299.17	9,297.17	1.99	4,666.964	
1,800.00	1,794.37	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,324.99	9,323.00	1.99	4,679.924	
1,900.00	1,893.94	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,351.81	9,349.82	1.99	4,693.384	
2,000.00	1,993.51	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,379.62	9,377.63	1.99	4,707.342	
2,100.00	2,093.09	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,408.41	9,406.42	1.99	4,721.791	
2,200.00	2,192.66	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,438.17	9,436.18	1.99	4,736.728	
2,300.00	2,292.24	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,468.90	9,466.91	1.99	4,752.148	
2,400.00	2,391.81	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,500.58	9,498.58	1.99	4,768.047	
2,500.00	2,491.39	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,533.20	9,531.21	1.99	4,784.419	
2,600.00	2,590.96	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,566.76	9,564.76	1.99	4,801.260	
2,700.00	2,690.53	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,601.24	9,599.24	1.99	4,818.565	
2,800.00	2,790.11	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,636.63	9,634.64	1.99	4,836.328	
2,900.00	2,889.68	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,672.93	9,670.94	1.99	4,854.546	
3,000.00	2,989.26	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,710.13	9,708.13	1.99	4,873.212	
3,100.00	3,088.83	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,748.20	9,746.21	1.99	4,892.322	
3,200.00	3,188.41	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,787.15	9,785.16	1.99	4,911.871	
3,300.00	3,287.98	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,826.97	9,824.98	1.99	4,931.853	
3,400.00	3,387.56	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,867.64	9,865.64	1.99	4,952.262	
3,500.00	3,487.13	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,909.15	9,907.15	1.99	4,973.095	
3,600.00	3,586.70	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,951.49	9,949.49	1.99	4,994.345	
3,700.00	3,686.28	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,994.65	9,992.66	1.99	5,016.007	
3,800.00	3,785.85	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,038.62	10,036.63	1.99	5,038.075	
3,900.00	3,885.43	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,083.40	10,081.40	1.99	5,060.546	
4,000.00	3,985.00	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,128.96	10,126.97	1.99	5,083.412	
4,100.00	4,084.58	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,175.30	10,173.31	1.99	5,106.670	
4,200.00	4,184.15	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,222.41	10,220.42	1.99	5,130.312	
4,300.00	4,283.72	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,270.28	10,268.28	1.99	5,154.335	
4,400.00	4,383.30	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,318.89	10,316.90	1.99	5,178.734	
4,500.00	4,482.87	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,368.24	10,366.25	1.99	5,203.501	
4,600.00	4,582.45	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,418.32	10,416.33	1.99	5,228.633	
4,700.00	4,682.02	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,469.11	10,467.12	1.99	5,254.125	
4,800.00	4,781.60	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,520.61	10,518.62	1.99	5,279.970	
4,900.00	4,881.17	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,572.80	10,570.81	1.99	5,306.164	
5,000.00	4,980.74	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,625.68	10,623.69	1.99	5,332.702	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,679.23	10,677.24	1.99	5,359.578	
5,200.00	5,179.89	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,733.45	10,731.46	1.99	5,386.788	
5,300.00	5,279.47	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,788.32	10,786.33	1.99	5,414.326	
5,400.00	5,379.04	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,843.84	10,841.84	1.99	5,442.187	
5,500.00	5,478.62	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,899.99	10,898.00	1.99	5,470.368	
5,600.00	5,578.19	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,956.76	10,954.77	1.99	5,498.862	
5,700.00	5,677.77	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,014.15	11,012.16	1.99	5,527.664	
5,800.00	5,777.34	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,072.15	11,070.16	1.99	5,556.771	
5,900.00	5,876.91	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,130.74	11,128.75	1.99	5,586.177	
6,000.00	5,976.49	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,189.92	11,187.93	1.99	5,615.877	
6,100.00	6,076.06	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,249.68	11,247.69	1.99	5,645.867	
6,200.00	6,175.64	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,310.01	11,308.01	1.99	5,676.143	
6,300.00	6,275.24	100.00	136.17	0.00	2.00	161.62	2,856.20	8,594.51	11,370.69	11,368.69	1.99	5,700.598	
6,400.00	6,375.13	100.00	136.17	0.00	2.00	-16.48	2,856.20	8,594.51	11,427.03	11,425.03	2.00	5,716.751	
6,500.00	6,474.53	100.00	136.17	0.00	2.00	-15.65	2,856.20	8,594.51	11,473.37	11,471.40	1.97	5,812.820	
6,600.00	6,571.72	100.00	136.17	0.00	2.00	-14.93	2,856.20	8,594.51	11,508.97	11,507.05	1.92	6,003.633	
6,700.00	6,665.06	100.00	136.17	0.00	2.00	-14.46	2,856.20	8,594.51	11,533.30	11,531.47	1.83	6,304.376	
6,800.00	6,752.94	100.00	136.17	0.00	2.00	-14.23	2,856.20	8,594.51	11,546.03	11,544.32	1.71	6,740.044	
6,900.00	6,833.85	100.00	136.17	0.00	2.00	-14.22	2,856.20	8,594.51	11,546.98	11,545.41	1.57	7,350.016	
7,000.00	6,906.42	100.00	136.17	0.00	2.00	-14.42	2,856.20	8,594.51	11,536.14	11,534.73	1.41	8,194.623	
7,100.00	6,969.40	100.00	136.17	0.00	2.00	-14.86	2,856.20	8,594.51	11,513.66	11,512.43	1.23	9,361.994	
7,200.00	7,021.72	100.00	136.17	0.00	2.00	-15.57	2,856.20	8,594.51	11,479.85	11,478.80	1.05	N/A	
7,300.00	7,062.47	100.00	136.17	0.00	2.00	-16.61	2,856.20	8,594.51	11,435.19	11,434.32	0.88	N/A	
7,400.00	7,090.97	100.00	136.17	0.00	2.00	-18.09	2,856.20	8,594.51	11,380.34	11,379.59	0.75	N/A	
7,500.00	7,106.72	100.00	136.17	0.00	2.00	-20.15	2,856.20	8,594.51	11,316.08	11,315.37	0.71	N/A	
7,600.00	7,110.14	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	11,243.79	11,243.04	0.75	N/A	
7,700.00	7,110.55	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	11,169.97	11,169.22	0.75	N/A	
7,800.00	7,110.97	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	11,096.56	11,095.81	0.75	N/A	
7,900.00	7,111.38	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	11,023.57	11,022.82	0.75	N/A	
8,000.00	7,111.79	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,951.01	10,950.26	0.75	N/A	
8,100.00	7,112.21	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,878.88	10,878.13	0.75	N/A	
8,200.00	7,112.62	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,807.20	10,806.45	0.75	N/A	
8,300.00	7,113.03	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,735.97	10,735.22	0.75	N/A	
8,400.00	7,113.45	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,665.20	10,664.45	0.75	N/A	
8,500.00	7,113.86	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,594.90	10,594.15	0.75	N/A	
8,600.00	7,114.28	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,525.08	10,524.33	0.75	N/A	
8,700.00	7,114.69	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,455.75	10,455.00	0.75	N/A	
8,800.00	7,115.10	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,386.93	10,386.18	0.75	N/A	
8,900.00	7,115.52	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,318.61	10,317.86	0.75	N/A	
9,000.00	7,115.93	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,250.81	10,250.06	0.75	N/A	
9,100.00	7,116.35	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,183.55	10,182.80	0.75	N/A	
9,200.00	7,116.76	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,116.82	10,116.07	0.75	N/A	
9,300.00	7,117.17	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	10,050.65	10,049.90	0.75	N/A	
9,400.00	7,117.59	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,985.04	9,984.29	0.75	N/A	
9,500.00	7,118.00	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,920.00	9,919.25	0.75	N/A	
9,600.00	7,118.41	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,855.55	9,854.80	0.75	N/A	
9,700.00	7,118.83	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,791.70	9,790.95	0.75	N/A	
9,800.00	7,119.24	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,728.45	9,727.70	0.75	N/A	
9,900.00	7,119.66	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,665.83	9,665.08	0.75	N/A	
10,000.00	7,120.07	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,603.84	9,603.09	0.75	N/A	
10,100.00	7,120.48	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,542.49	9,541.74	0.75	N/A	
10,200.00	7,120.90	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,481.80	9,481.05	0.75	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,421.79	9,421.04	0.75	N/A	
10,400.00	7,121.73	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,362.45	9,361.70	0.75	N/A	
10,500.00	7,122.14	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,303.81	9,303.06	0.75	N/A	
10,600.00	7,122.55	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,245.89	9,245.14	0.75	N/A	
10,700.00	7,122.97	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,188.68	9,187.93	0.75	N/A	
10,800.00	7,123.38	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,132.21	9,131.46	0.75	N/A	
10,900.00	7,123.79	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,076.50	9,075.75	0.75	N/A	
11,000.00	7,124.21	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	9,021.54	9,020.79	0.75	N/A	
11,100.00	7,124.62	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,967.37	8,966.62	0.75	N/A	
11,200.00	7,125.04	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,913.99	8,913.24	0.75	N/A	
11,300.00	7,125.45	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,861.41	8,860.66	0.75	N/A	
11,400.00	7,125.86	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,809.66	8,808.91	0.75	N/A	
11,500.00	7,126.28	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,758.74	8,757.99	0.75	N/A	
11,600.00	7,126.69	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,708.67	8,707.92	0.75	N/A	
11,700.00	7,127.11	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,659.47	8,658.72	0.75	N/A	
11,800.00	7,127.52	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,611.15	8,610.40	0.75	N/A	
11,900.00	7,127.93	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,563.72	8,562.97	0.75	N/A	
12,000.00	7,128.35	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,517.20	8,516.45	0.75	N/A	
12,100.00	7,128.76	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,471.61	8,470.86	0.75	N/A	
12,200.00	7,129.18	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,426.96	8,426.21	0.75	N/A	
12,300.00	7,129.59	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,383.26	8,382.51	0.75	N/A	
12,400.00	7,130.00	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,340.54	8,339.79	0.75	N/A	
12,500.00	7,130.42	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,298.80	8,298.05	0.75	N/A	
12,600.00	7,130.83	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,258.06	8,257.31	0.75	N/A	
12,700.00	7,131.24	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,218.33	8,217.58	0.75	N/A	
12,800.00	7,131.66	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,179.63	8,178.88	0.75	N/A	
12,900.00	7,132.07	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,141.98	8,141.23	0.75	N/A	
13,000.00	7,132.49	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,105.39	8,104.64	0.75	N/A	
13,100.00	7,132.90	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,069.87	8,069.12	0.75	N/A	
13,200.00	7,133.31	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,035.43	8,034.68	0.75	N/A	
13,300.00	7,133.73	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	8,002.10	8,001.35	0.75	N/A	
13,400.00	7,134.14	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,969.89	7,969.14	0.75	N/A	
13,500.00	7,134.56	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,938.80	7,938.05	0.75	N/A	
13,600.00	7,134.97	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,908.86	7,908.11	0.75	N/A	
13,700.00	7,135.38	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,880.07	7,879.32	0.75	N/A	
13,800.00	7,135.80	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,852.45	7,851.70	0.75	N/A	
13,900.00	7,136.21	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,826.01	7,825.26	0.75	N/A	
14,000.00	7,136.62	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,800.76	7,800.01	0.75	N/A	
14,100.00	7,137.04	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,776.71	7,775.96	0.75	N/A	
14,200.00	7,137.45	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,753.89	7,753.14	0.75	N/A	
14,300.00	7,137.87	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,732.28	7,731.53	0.75	N/A	
14,400.00	7,138.28	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,711.92	7,711.17	0.75	N/A	
14,500.00	7,138.69	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,692.80	7,692.05	0.75	N/A	
14,600.00	7,139.11	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,674.93	7,674.18	0.75	N/A	
14,700.00	7,139.52	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,658.33	7,657.58	0.75	N/A	
14,800.00	7,139.94	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,643.00	7,642.25	0.75	N/A	
14,900.00	7,140.35	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,628.95	7,628.20	0.75	N/A	
15,000.00	7,140.76	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,616.19	7,615.44	0.75	N/A	
15,100.00	7,141.18	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,604.72	7,603.97	0.75	N/A	
15,200.00	7,141.59	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,594.56	7,593.81	0.75	N/A	
15,300.00	7,142.00	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,585.69	7,584.94	0.75	N/A	
15,400.00	7,142.42	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,578.14	7,577.39	0.75	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,571.90	7,571.15	0.75	N/A	
15,600.00	7,143.25	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,566.97	7,566.22	0.75	N/A	
15,700.00	7,143.66	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,563.37	7,562.62	0.75	N/A	
15,800.00	7,144.07	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,561.08	7,560.33	0.75	N/A	
15,900.00	7,144.49	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,560.12	7,559.37	0.75	N/A	
15,922.73	7,144.58	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,560.09	7,559.34	0.75	N/A	CC, ES
16,000.00	7,144.90	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,560.48	7,559.73	0.75	N/A	
16,100.00	7,145.32	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,562.17	7,561.42	0.75	N/A	
16,200.00	7,145.73	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,565.17	7,564.42	0.75	N/A	
16,300.00	7,146.14	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,569.50	7,568.75	0.75	N/A	
16,400.00	7,146.56	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,575.14	7,574.39	0.75	N/A	
16,500.00	7,146.97	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,582.10	7,581.35	0.75	N/A	
16,600.00	7,147.38	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,590.36	7,589.61	0.75	N/A	
16,700.00	7,147.80	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,599.94	7,599.19	0.75	N/A	
16,800.00	7,148.21	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,610.82	7,610.07	0.75	N/A	
16,900.00	7,148.63	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,622.99	7,622.24	0.75	N/A	
17,000.00	7,149.04	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,636.46	7,635.71	0.75	N/A	
17,100.00	7,149.45	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,651.20	7,650.45	0.75	N/A	
17,200.00	7,149.87	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,667.23	7,666.48	0.75	N/A	
17,232.03	7,150.00	100.00	136.17	0.00	2.00	-22.02	2,856.20	8,594.51	7,672.63	7,671.88	0.75	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.76	0.00	0.00	0.02	49.90	2,932.20	3,481.83	4,552.03				
100.00	100.00	100.76	100.00	0.00	2.03	49.90	2,932.20	3,481.83	4,552.03	4,550.00	2.03	2,241.714	
200.00	200.00	200.76	200.00	0.00	6.03	49.90	2,932.20	3,481.83	4,552.03	4,546.00	6.03	754.821	
300.00	300.00	300.76	300.00	0.00	10.03	49.90	2,932.20	3,481.83	4,552.03	4,542.00	10.03	453.814	CC
400.00	399.98	400.74	399.98	0.00	14.03	139.84	2,932.20	3,481.83	4,553.36	4,539.33	14.02	324.665	ES
500.00	499.84	500.60	499.84	0.00	18.02	139.83	2,932.20	3,481.83	4,557.36	4,539.36	18.00	253.208	
600.00	599.47	600.23	599.47	0.00	22.01	139.85	2,932.20	3,481.83	4,563.86	4,541.91	21.95	207.875	
700.00	699.05	699.81	699.05	0.00	25.99	139.92	2,932.20	3,481.83	4,570.92	4,545.00	25.93	176.294	
800.00	798.62	799.38	798.62	0.00	29.98	140.00	2,932.20	3,481.83	4,577.99	4,548.09	29.90	153.107	
900.00	898.20	898.96	898.20	0.00	33.96	140.07	2,932.20	3,481.83	4,585.07	4,551.20	33.87	135.358	
1,000.00	997.77	998.53	997.77	0.00	37.94	140.14	2,932.20	3,481.83	4,592.15	4,554.31	37.85	121.337	
1,100.00	1,097.35	1,098.11	1,097.35	0.00	41.92	140.22	2,932.20	3,481.83	4,599.24	4,557.42	41.82	109.979	
1,200.00	1,196.92	1,197.68	1,196.92	0.00	45.91	140.29	2,932.20	3,481.83	4,606.34	4,560.55	45.79	100.593	
1,300.00	1,296.49	1,297.25	1,296.49	0.00	49.89	140.36	2,932.20	3,481.83	4,613.45	4,563.68	49.76	92.706	
1,400.00	1,396.07	1,396.83	1,396.07	0.00	53.87	140.44	2,932.20	3,481.83	4,620.56	4,566.83	53.74	85.985	
1,500.00	1,495.64	1,496.40	1,495.64	0.00	57.86	140.51	2,932.20	3,481.83	4,627.68	4,569.97	57.71	80.189	
1,600.00	1,595.22	1,595.98	1,595.22	0.00	61.84	140.58	2,932.20	3,481.83	4,634.81	4,573.13	61.68	75.140	
1,700.00	1,694.79	1,695.55	1,694.79	0.00	65.82	140.65	2,932.20	3,481.83	4,641.95	4,576.29	65.65	70.702	
1,800.00	1,794.37	1,795.13	1,794.37	0.00	69.81	140.72	2,932.20	3,481.83	4,649.09	4,579.47	69.63	66.771	
1,900.00	1,893.94	1,894.70	1,893.94	0.00	73.79	140.80	2,932.20	3,481.83	4,656.24	4,582.64	73.60	63.264	
2,000.00	1,993.51	1,994.27	1,993.51	0.00	77.77	140.87	2,932.20	3,481.83	4,663.40	4,585.83	77.57	60.117	
2,100.00	2,093.09	2,093.85	2,093.09	0.00	81.75	140.94	2,932.20	3,481.83	4,670.57	4,589.02	81.54	57.276	
2,200.00	2,192.66	2,193.42	2,192.66	0.00	85.74	141.01	2,932.20	3,481.83	4,677.74	4,592.22	85.52	54.700	
2,300.00	2,292.24	2,293.00	2,292.24	0.00	89.72	141.08	2,932.20	3,481.83	4,684.92	4,595.43	89.49	52.352	
2,400.00	2,391.81	2,392.57	2,391.81	0.00	93.70	141.15	2,932.20	3,481.83	4,692.10	4,598.64	93.46	50.204	
2,500.00	2,491.39	2,492.15	2,491.39	0.00	97.69	141.22	2,932.20	3,481.83	4,699.30	4,601.86	97.43	48.231	
2,600.00	2,590.96	2,591.72	2,590.96	0.00	101.67	141.29	2,932.20	3,481.83	4,706.50	4,605.09	101.41	46.413	
2,700.00	2,690.53	2,691.29	2,690.53	0.00	105.65	141.36	2,932.20	3,481.83	4,713.71	4,608.33	105.38	44.731	
2,800.00	2,790.11	2,790.87	2,790.11	0.00	109.63	141.43	2,932.20	3,481.83	4,720.92	4,611.57	109.35	43.173	
2,900.00	2,889.68	2,890.44	2,889.68	0.00	113.62	141.50	2,932.20	3,481.83	4,728.14	4,614.82	113.32	41.723	
3,000.00	2,989.26	2,990.02	2,989.26	0.00	117.60	141.57	2,932.20	3,481.83	4,735.37	4,618.08	117.29	40.372	
3,100.00	3,088.83	3,089.59	3,088.83	0.00	121.58	141.64	2,932.20	3,481.83	4,742.61	4,621.34	121.27	39.109	
3,200.00	3,188.41	3,189.17	3,188.41	0.00	125.57	141.71	2,932.20	3,481.83	4,749.85	4,624.61	125.24	37.927	
3,300.00	3,287.98	3,288.74	3,287.98	0.00	129.55	141.78	2,932.20	3,481.83	4,757.10	4,627.89	129.21	36.817	
3,400.00	3,387.56	3,388.32	3,387.56	0.00	133.53	141.85	2,932.20	3,481.83	4,764.35	4,631.17	133.18	35.773	
3,500.00	3,487.13	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,771.75	4,635.98	135.76	35.148	SF
3,600.00	3,586.70	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,780.78	4,645.02	135.76	35.214	
3,700.00	3,686.28	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,791.88	4,656.12	135.76	35.296	
3,800.00	3,785.85	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,805.04	4,669.28	135.76	35.393	
3,900.00	3,885.43	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,820.24	4,684.48	135.76	35.505	
4,000.00	3,985.00	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,837.46	4,701.70	135.76	35.632	
4,100.00	4,084.58	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,856.68	4,720.91	135.76	35.774	
4,200.00	4,184.15	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,877.87	4,742.11	135.76	35.930	
4,300.00	4,283.72	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,901.01	4,765.25	135.76	36.100	
4,400.00	4,383.30	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,926.07	4,790.31	135.76	36.285	
4,500.00	4,482.87	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,953.03	4,817.26	135.76	36.483	
4,600.00	4,582.45	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,981.84	4,846.08	135.76	36.695	
4,700.00	4,682.02	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,012.49	4,876.73	135.76	36.921	
4,800.00	4,781.60	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,044.93	4,909.17	135.76	37.160	
4,900.00	4,881.17	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,079.14	4,943.37	135.76	37.412	
5,000.00	4,980.74	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,115.07	4,979.31	135.76	37.677	
5,100.00	5,080.32	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,152.69	5,016.93	135.76	37.954	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,191.96	5,056.20	135.76	38.243	
5,300.00	5,279.47	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,232.86	5,097.09	135.76	38.544	
5,400.00	5,379.04	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,275.33	5,139.57	135.76	38.857	
5,500.00	5,478.62	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,319.34	5,183.58	135.76	39.181	
5,600.00	5,578.19	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,364.85	5,229.09	135.76	39.517	
5,700.00	5,677.77	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,411.83	5,276.07	135.76	39.863	
5,800.00	5,777.34	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,460.24	5,324.48	135.76	40.219	
5,900.00	5,876.91	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,510.04	5,374.28	135.76	40.586	
6,000.00	5,976.49	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,561.19	5,425.43	135.76	40.963	
6,100.00	6,076.06	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,613.65	5,477.89	135.76	41.349	
6,200.00	6,175.64	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,667.40	5,531.64	135.76	41.745	
6,300.00	6,275.24	3,453.00	3,452.24	0.00	136.12	142.21	2,932.20	3,481.83	5,722.21	5,586.35	135.86	42.119	
6,400.00	6,375.13	3,453.00	3,452.24	0.00	136.12	-34.87	2,932.20	3,481.83	5,773.97	5,637.92	136.05	42.439	
6,500.00	6,474.53	3,453.00	3,452.24	0.00	136.12	-33.09	2,932.20	3,481.83	5,817.76	5,683.00	134.76	43.170	
6,600.00	6,571.72	3,453.00	3,452.24	0.00	136.12	-31.61	2,932.20	3,481.83	5,852.95	5,721.21	131.74	44.427	
6,700.00	6,665.06	3,453.00	3,452.24	0.00	136.12	-30.57	2,932.20	3,481.83	5,879.10	5,752.08	127.02	46.285	
6,800.00	6,752.94	3,453.00	3,452.24	0.00	136.12	-29.94	2,932.20	3,481.83	5,895.87	5,775.11	120.76	48.825	
6,900.00	6,833.85	3,453.00	3,452.24	0.00	136.12	-29.67	2,932.20	3,481.83	5,903.07	5,789.81	113.25	52.124	
7,000.00	6,906.42	3,453.00	3,452.24	0.00	136.12	-29.77	2,932.20	3,481.83	5,900.60	5,795.63	104.96	56.217	
7,100.00	6,969.40	3,453.00	3,452.24	0.00	136.12	-30.23	2,932.20	3,481.83	5,888.49	5,791.96	96.54	60.998	
7,200.00	7,021.72	3,453.00	3,452.24	0.00	136.12	-31.07	2,932.20	3,481.83	5,866.90	5,778.04	88.86	66.022	
7,300.00	7,062.47	3,453.00	3,452.24	0.00	136.12	-32.35	2,932.20	3,481.83	5,836.09	5,753.02	83.07	70.255	
7,400.00	7,090.97	3,453.00	3,452.24	0.00	136.12	-34.13	2,932.20	3,481.83	5,796.45	5,716.08	80.37	72.126	
7,500.00	7,106.72	3,453.00	3,452.24	0.00	136.12	-36.51	2,932.20	3,481.83	5,748.47	5,666.86	81.61	70.436	
7,600.00	7,110.14	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,693.22	5,608.45	84.78	67.156	
7,700.00	7,110.55	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,637.19	5,552.42	84.78	66.495	
7,800.00	7,110.97	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,582.40	5,497.62	84.78	65.849	
7,900.00	7,111.38	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,528.87	5,444.09	84.78	65.218	
8,000.00	7,111.79	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,476.64	5,391.86	84.78	64.602	
8,100.00	7,112.21	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,425.75	5,340.97	84.78	64.001	
8,200.00	7,112.62	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,376.24	5,291.46	84.78	63.417	
8,300.00	7,113.03	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,328.15	5,243.37	84.78	62.850	
8,400.00	7,113.45	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,281.51	5,196.74	84.78	62.300	
8,500.00	7,113.86	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,236.37	5,151.59	84.78	61.767	
8,600.00	7,114.28	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,192.76	5,107.98	84.78	61.253	
8,700.00	7,114.69	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,150.72	5,065.95	84.78	60.757	
8,800.00	7,115.10	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,110.30	5,025.52	84.78	60.280	
8,900.00	7,115.52	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,071.52	4,986.75	84.78	59.823	
9,000.00	7,115.93	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,034.44	4,949.66	84.78	59.385	
9,100.00	7,116.35	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,999.08	4,914.30	84.78	58.968	
9,200.00	7,116.76	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,965.48	4,880.70	84.78	58.572	
9,300.00	7,117.17	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,933.68	4,848.90	84.78	58.197	
9,400.00	7,117.59	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,903.71	4,818.93	84.78	57.843	
9,500.00	7,118.00	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,875.61	4,790.83	84.78	57.512	
9,600.00	7,118.41	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,849.41	4,764.63	84.78	57.203	
9,700.00	7,118.83	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,825.14	4,740.36	84.78	56.917	
9,800.00	7,119.24	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,802.83	4,718.05	84.78	56.653	
9,900.00	7,119.66	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,782.50	4,697.73	84.78	56.414	
10,000.00	7,120.07	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,764.19	4,679.42	84.78	56.198	
10,100.00	7,120.48	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,747.92	4,663.14	84.78	56.006	
10,200.00	7,120.90	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,733.70	4,648.93	84.78	55.838	
10,300.00	7,121.31	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,721.56	4,636.79	84.78	55.695	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,711.51	4,626.74	84.78	55.576	
10,500.00	7,122.14	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,703.57	4,618.79	84.78	55.483	
10,600.00	7,122.55	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,697.74	4,612.96	84.78	55.414	
10,700.00	7,122.97	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,694.03	4,609.26	84.78	55.370	
10,800.00	7,123.38	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,692.46	4,607.68	84.78	55.351	
10,824.00	7,123.48	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,692.39	4,607.62	84.78	55.351	
10,900.00	7,123.79	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,693.01	4,608.23	84.78	55.358	
11,000.00	7,124.21	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,695.69	4,610.92	84.78	55.390	
11,100.00	7,124.62	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,700.50	4,615.73	84.78	55.446	
11,200.00	7,125.04	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,707.43	4,622.66	84.78	55.528	
11,300.00	7,125.45	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,716.48	4,631.70	84.78	55.635	
11,400.00	7,125.86	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,727.61	4,642.84	84.78	55.766	
11,500.00	7,126.28	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,740.84	4,656.06	84.78	55.922	
11,600.00	7,126.69	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,756.13	4,671.35	84.78	56.102	
11,700.00	7,127.11	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,773.46	4,688.69	84.78	56.307	
11,800.00	7,127.52	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,792.82	4,708.05	84.78	56.535	
11,900.00	7,127.93	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,814.18	4,729.40	84.78	56.787	
12,000.00	7,128.35	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,837.51	4,752.74	84.78	57.063	
12,100.00	7,128.76	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,862.79	4,778.01	84.78	57.361	
12,200.00	7,129.18	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,889.98	4,805.21	84.78	57.681	
12,300.00	7,129.59	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,919.06	4,834.28	84.78	58.024	
12,400.00	7,130.00	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,949.98	4,865.21	84.78	58.389	
12,500.00	7,130.42	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	4,982.72	4,897.95	84.78	58.775	
12,600.00	7,130.83	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,017.24	4,932.47	84.78	59.183	
12,700.00	7,131.24	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,053.51	4,968.73	84.78	59.610	
12,800.00	7,131.66	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,091.48	5,006.70	84.78	60.058	
12,900.00	7,132.07	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,131.11	5,046.34	84.78	60.526	
13,000.00	7,132.49	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,172.38	5,087.61	84.78	61.013	
13,100.00	7,132.90	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,215.24	5,130.46	84.78	61.518	
13,200.00	7,133.31	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,259.65	5,174.87	84.78	62.042	
13,300.00	7,133.73	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,305.57	5,220.80	84.78	62.584	
13,400.00	7,134.14	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,352.97	5,268.20	84.78	63.143	
13,500.00	7,134.56	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,401.81	5,317.03	84.78	63.719	
13,600.00	7,134.97	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,452.04	5,367.26	84.78	64.311	
13,700.00	7,135.38	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,503.63	5,418.85	84.78	64.920	
13,800.00	7,135.80	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,556.54	5,471.76	84.78	65.544	
13,900.00	7,136.21	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,610.73	5,525.96	84.78	66.183	
14,000.00	7,136.62	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,666.17	5,581.40	84.78	66.837	
14,100.00	7,137.04	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,722.82	5,638.05	84.78	67.505	
14,200.00	7,137.45	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,780.65	5,695.87	84.78	68.188	
14,300.00	7,137.87	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,839.62	5,754.84	84.78	68.883	
14,400.00	7,138.28	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,899.69	5,814.91	84.78	69.592	
14,500.00	7,138.69	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	5,960.83	5,876.06	84.78	70.313	
14,600.00	7,139.11	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,023.02	5,938.24	84.78	71.047	
14,700.00	7,139.52	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,086.21	6,001.43	84.78	71.792	
14,800.00	7,139.94	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,150.38	6,065.60	84.78	72.549	
14,900.00	7,140.35	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,215.49	6,130.71	84.78	73.317	
15,000.00	7,140.76	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,281.52	6,196.75	84.78	74.096	
15,100.00	7,141.18	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,348.44	6,263.67	84.78	74.885	
15,200.00	7,141.59	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,416.22	6,331.45	84.78	75.685	
15,300.00	7,142.00	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,484.84	6,400.06	84.78	76.494	
15,400.00	7,142.42	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,554.26	6,469.48	84.78	77.313	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,624.46	6,539.69	84.78	78.141	
15,600.00	7,143.25	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,695.42	6,610.65	84.78	78.978	
15,700.00	7,143.66	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,767.12	6,682.34	84.78	79.824	
15,800.00	7,144.07	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,839.53	6,754.75	84.78	80.678	
15,900.00	7,144.49	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,912.62	6,827.84	84.78	81.540	
16,000.00	7,144.90	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	6,986.38	6,901.60	84.78	82.410	
16,100.00	7,145.32	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,060.79	6,976.01	84.78	83.288	
16,200.00	7,145.73	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,135.82	7,051.04	84.78	84.173	
16,300.00	7,146.14	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,211.46	7,126.68	84.78	85.065	
16,400.00	7,146.56	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,287.68	7,202.91	84.78	85.964	
16,500.00	7,146.97	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,364.48	7,279.70	84.78	86.870	
16,600.00	7,147.38	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,441.82	7,357.05	84.78	87.783	
16,700.00	7,147.80	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,519.70	7,434.93	84.78	88.701	
16,800.00	7,148.21	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,598.10	7,513.32	84.78	89.626	
16,900.00	7,148.63	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,677.00	7,592.22	84.78	90.557	
17,000.00	7,149.04	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,756.38	7,671.61	84.78	91.493	
17,100.00	7,149.45	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,836.24	7,751.47	84.78	92.435	
17,200.00	7,149.87	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,916.56	7,831.78	84.78	93.382	
17,232.03	7,150.00	3,453.00	3,452.24	0.00	136.12	-38.52	2,932.20	3,481.83	7,942.38	7,857.61	84.78	93.687	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	57.31	0.00	0.00	1.15	82.11	877.57	6,328.80	6,389.35				
100.00	100.00	157.31	100.00	0.00	4.29	82.11	877.57	6,328.80	6,389.35	6,385.06	4.29	1,488.458	
200.00	200.00	257.31	200.00	0.00	8.29	82.11	877.57	6,328.80	6,389.35	6,381.06	8.29	770.489	
300.00	300.00	357.31	300.00	0.00	12.29	82.11	877.57	6,328.80	6,389.35	6,377.06	12.29	519.772	
400.00	399.98	457.29	399.98	0.00	16.29	172.05	877.57	6,328.80	6,391.08	6,374.80	16.28	392.523	
500.00	499.84	557.15	499.84	0.00	20.29	172.04	877.57	6,328.80	6,396.27	6,376.03	20.24	316.058	
600.00	599.47	656.78	599.47	0.00	24.27	172.04	877.57	6,328.80	6,404.68	6,380.51	24.17	264.982	
700.00	699.05	756.36	699.05	0.00	28.25	172.05	877.57	6,328.80	6,413.81	6,385.67	28.14	227.953	
800.00	798.62	855.93	798.62	0.00	32.24	172.06	877.57	6,328.80	6,422.94	6,390.83	32.10	200.073	
900.00	898.20	955.51	898.20	0.00	36.22	172.07	877.57	6,328.80	6,432.07	6,396.00	36.07	178.326	
1,000.00	997.77	1,055.08	997.77	0.00	40.20	172.08	877.57	6,328.80	6,441.20	6,401.16	40.04	160.887	
1,100.00	1,097.35	1,154.66	1,097.35	0.00	44.19	172.09	877.57	6,328.80	6,450.33	6,406.32	44.00	146.592	
1,200.00	1,196.92	1,254.23	1,196.92	0.00	48.17	172.10	877.57	6,328.80	6,459.46	6,411.49	47.97	134.661	
1,300.00	1,296.49	1,353.80	1,296.49	0.00	52.15	172.12	877.57	6,328.80	6,468.59	6,416.65	51.93	124.553	
1,400.00	1,396.07	1,453.38	1,396.07	0.00	56.14	172.13	877.57	6,328.80	6,477.72	6,421.82	55.90	115.879	
1,500.00	1,495.64	1,552.95	1,495.64	0.00	60.12	172.14	877.57	6,328.80	6,486.85	6,426.98	59.87	108.354	
1,600.00	1,595.22	1,652.53	1,595.22	0.00	64.10	172.15	877.57	6,328.80	6,495.98	6,432.14	63.83	101.764	
1,700.00	1,694.79	1,752.10	1,694.79	0.00	68.08	172.16	877.57	6,328.80	6,505.11	6,437.31	67.80	95.946	
1,800.00	1,794.37	1,851.68	1,794.37	0.00	72.07	172.17	877.57	6,328.80	6,514.24	6,442.47	71.77	90.770	
1,900.00	1,893.94	1,951.25	1,893.94	0.00	76.05	172.18	877.57	6,328.80	6,523.37	6,447.64	75.73	86.137	
2,000.00	1,993.51	2,050.82	1,993.51	0.00	80.03	172.19	877.57	6,328.80	6,532.50	6,452.81	79.70	81.965	
2,100.00	2,093.09	2,150.40	2,093.09	0.00	84.02	172.20	877.57	6,328.80	6,541.64	6,457.97	83.67	78.188	
2,200.00	2,192.66	2,249.97	2,192.66	0.00	88.00	172.21	877.57	6,328.80	6,550.77	6,463.14	87.63	74.754	
2,300.00	2,292.24	2,349.55	2,292.24	0.00	91.98	172.23	877.57	6,328.80	6,559.90	6,468.30	91.60	71.616	
2,400.00	2,391.81	2,449.12	2,391.81	0.00	95.96	172.24	877.57	6,328.80	6,569.03	6,473.47	95.56	68.740	
2,500.00	2,491.39	2,548.70	2,491.39	0.00	99.95	172.25	877.57	6,328.80	6,578.17	6,478.64	99.53	66.092	
2,600.00	2,590.96	2,648.27	2,590.96	0.00	103.93	172.26	877.57	6,328.80	6,587.30	6,483.80	103.50	63.647	
2,700.00	2,690.53	2,747.84	2,690.53	0.00	107.91	172.27	877.57	6,328.80	6,596.43	6,488.97	107.46	61.383	
2,800.00	2,790.11	2,847.42	2,790.11	0.00	111.90	172.28	877.57	6,328.80	6,605.57	6,494.14	111.43	59.280	
2,900.00	2,889.68	2,946.99	2,889.68	0.00	115.88	172.29	877.57	6,328.80	6,614.70	6,499.31	115.40	57.322	
3,000.00	2,989.26	3,046.57	2,989.26	0.00	119.86	172.30	877.57	6,328.80	6,623.84	6,504.47	119.36	55.494	
3,100.00	3,088.83	3,146.14	3,088.83	0.00	123.85	172.31	877.57	6,328.80	6,632.97	6,509.64	123.33	53.783	
3,200.00	3,188.41	3,245.72	3,188.41	0.00	127.83	172.32	877.57	6,328.80	6,642.11	6,514.81	127.29	52.179	
3,300.00	3,287.98	3,345.29	3,287.98	0.00	131.81	172.33	877.57	6,328.80	6,651.24	6,519.98	131.26	50.672	
3,400.00	3,387.56	3,444.87	3,387.56	0.00	135.79	172.34	877.57	6,328.80	6,660.38	6,525.15	135.23	49.253	
3,500.00	3,487.13	3,544.44	3,487.13	0.00	139.78	172.35	877.57	6,328.80	6,669.51	6,530.32	139.19	47.915	
3,600.00	3,586.70	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,678.71	6,536.71	142.00	47.032	SF
3,700.00	3,686.28	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,689.02	6,547.01	142.00	47.104	
3,800.00	3,785.85	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,700.80	6,558.80	142.00	47.187	
3,900.00	3,885.43	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,714.06	6,572.05	142.00	47.281	
4,000.00	3,985.00	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,728.77	6,586.77	142.00	47.384	
4,100.00	4,084.58	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,744.94	6,602.93	142.00	47.498	
4,200.00	4,184.15	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,762.54	6,620.54	142.00	47.622	
4,300.00	4,283.72	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,781.58	6,639.57	142.00	47.756	
4,400.00	4,383.30	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,802.03	6,660.03	142.00	47.900	
4,500.00	4,482.87	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,823.89	6,681.88	142.00	48.054	
4,600.00	4,582.45	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,847.13	6,705.13	142.00	48.218	
4,700.00	4,682.02	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,871.76	6,729.75	142.00	48.391	
4,800.00	4,781.60	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,897.74	6,755.74	142.00	48.574	
4,900.00	4,881.17	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,925.07	6,783.07	142.00	48.767	
5,000.00	4,980.74	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,953.74	6,811.73	142.00	48.969	
5,100.00	5,080.32	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,983.71	6,841.71	142.00	49.180	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,014.99	6,872.98	142.00	49.400	
5,300.00	5,279.47	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,047.54	6,905.54	142.00	49.629	
5,400.00	5,379.04	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,081.36	6,939.36	142.00	49.867	
5,500.00	5,478.62	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,116.42	6,974.42	142.00	50.114	
5,600.00	5,578.19	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,152.71	7,010.71	142.00	50.370	
5,700.00	5,677.77	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,190.21	7,048.20	142.00	50.634	
5,800.00	5,777.34	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,228.89	7,086.89	142.00	50.906	
5,900.00	5,876.91	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,268.75	7,126.75	142.00	51.187	
6,000.00	5,976.49	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,309.76	7,167.75	142.00	51.476	
6,100.00	6,076.06	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,351.89	7,209.89	142.00	51.772	
6,200.00	6,175.64	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,395.14	7,253.14	142.00	52.077	
6,300.00	6,275.24	3,615.00	3,557.69	0.00	142.60	172.41	877.57	6,328.80	7,439.24	7,297.08	142.17	52.327	
6,400.00	6,375.13	3,615.00	3,557.69	0.00	142.60	-6.69	877.57	6,328.80	7,478.73	7,336.23	142.50	52.483	
6,500.00	6,474.53	3,615.00	3,557.69	0.00	142.60	-6.70	877.57	6,328.80	7,507.30	7,366.70	140.60	53.396	
6,600.00	6,571.72	3,615.00	3,557.69	0.00	142.60	-6.58	877.57	6,328.80	7,524.48	7,388.16	136.32	55.196	
6,700.00	6,665.06	3,615.00	3,557.69	0.00	142.60	-6.54	877.57	6,328.80	7,530.08	7,400.32	129.75	58.035	
6,800.00	6,752.94	3,615.00	3,557.69	0.00	142.60	-6.60	877.57	6,328.80	7,524.00	7,403.00	121.01	62.178	
6,900.00	6,833.85	3,615.00	3,557.69	0.00	142.60	-6.76	877.57	6,328.80	7,506.35	7,396.08	110.27	68.072	
7,000.00	6,906.42	3,615.00	3,557.69	0.00	142.60	-7.04	877.57	6,328.80	7,477.32	7,379.55	97.77	76.480	
7,100.00	6,969.40	3,615.00	3,557.69	0.00	142.60	-7.46	877.57	6,328.80	7,437.30	7,353.48	83.81	88.736	
7,200.00	7,021.72	3,615.00	3,557.69	0.00	142.60	-8.05	877.57	6,328.80	7,386.79	7,317.93	68.86	107.280	
7,300.00	7,062.47	3,615.00	3,557.69	0.00	142.60	-8.89	877.57	6,328.80	7,326.45	7,272.78	53.66	136.532	
7,400.00	7,090.97	3,615.00	3,557.69	0.00	142.60	-10.09	877.57	6,328.80	7,257.08	7,217.15	39.93	181.741	
7,500.00	7,106.72	3,615.00	3,557.69	0.00	142.60	-11.84	877.57	6,328.80	7,179.63	7,147.63	32.00	224.369	
7,600.00	7,110.14	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	7,095.51	7,062.13	33.38	212.548	
7,700.00	7,110.55	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	7,010.20	6,976.82	33.38	209.993	
7,800.00	7,110.97	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,925.29	6,891.90	33.38	207.449	
7,900.00	7,111.38	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,840.78	6,807.39	33.38	204.918	
8,000.00	7,111.79	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,756.69	6,723.31	33.38	202.399	
8,100.00	7,112.21	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,673.05	6,639.66	33.38	199.893	
8,200.00	7,112.62	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,589.86	6,556.47	33.38	197.401	
8,300.00	7,113.03	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,507.14	6,473.76	33.38	194.923	
8,400.00	7,113.45	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,424.91	6,391.53	33.38	192.460	
8,500.00	7,113.86	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,343.20	6,309.81	33.38	190.012	
8,600.00	7,114.28	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,262.01	6,228.63	33.38	187.580	
8,700.00	7,114.69	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,181.38	6,148.00	33.38	185.165	
8,800.00	7,115.10	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,101.32	6,067.94	33.38	182.767	
8,900.00	7,115.52	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	6,021.86	5,988.47	33.38	180.387	
9,000.00	7,115.93	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,943.01	5,909.63	33.38	178.025	
9,100.00	7,116.35	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,864.82	5,831.43	33.38	175.682	
9,200.00	7,116.76	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,787.29	5,753.91	33.38	173.360	
9,300.00	7,117.17	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,710.46	5,677.08	33.38	171.059	
9,400.00	7,117.59	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,634.36	5,600.98	33.38	168.779	
9,500.00	7,118.00	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,559.02	5,525.64	33.38	166.522	
9,600.00	7,118.41	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,484.46	5,451.08	33.38	164.289	
9,700.00	7,118.83	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,410.73	5,377.35	33.38	162.080	
9,800.00	7,119.24	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,337.85	5,304.47	33.38	159.897	
9,900.00	7,119.66	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,265.86	5,232.48	33.38	157.740	
10,000.00	7,120.07	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,194.80	5,161.42	33.38	155.612	
10,100.00	7,120.48	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,124.71	5,091.32	33.38	153.512	
10,200.00	7,120.90	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,055.62	5,022.23	33.38	151.443	
10,300.00	7,121.31	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,987.58	4,954.19	33.38	149.404	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,920.63	4,887.24	33.38	147.399	
10,500.00	7,122.14	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,854.81	4,821.43	33.38	145.427	
10,600.00	7,122.55	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,790.18	4,756.80	33.38	143.491	
10,700.00	7,122.97	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,726.79	4,693.40	33.38	141.592	
10,800.00	7,123.38	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,664.67	4,631.29	33.38	139.732	
10,900.00	7,123.79	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,603.89	4,570.51	33.38	137.911	
11,000.00	7,124.21	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,544.50	4,511.12	33.38	136.132	
11,100.00	7,124.62	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,486.55	4,453.17	33.38	134.396	
11,200.00	7,125.04	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,430.10	4,396.72	33.38	132.705	
11,300.00	7,125.45	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,375.21	4,341.82	33.38	131.061	
11,400.00	7,125.86	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,321.93	4,288.55	33.38	129.465	
11,500.00	7,126.28	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,270.33	4,236.95	33.38	127.919	
11,600.00	7,126.69	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,220.47	4,187.09	33.38	126.426	
11,700.00	7,127.11	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,172.42	4,139.03	33.38	124.986	
11,800.00	7,127.52	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,126.22	4,092.84	33.38	123.602	
11,900.00	7,127.93	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,081.95	4,048.57	33.38	122.276	
12,000.00	7,128.35	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,039.68	4,006.30	33.38	121.010	
12,100.00	7,128.76	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,999.46	3,966.07	33.38	119.805	
12,200.00	7,129.18	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,961.35	3,927.97	33.38	118.664	
12,300.00	7,129.59	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,925.43	3,892.04	33.38	117.587	
12,400.00	7,130.00	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,891.74	3,858.35	33.38	116.578	
12,500.00	7,130.42	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,860.35	3,826.96	33.38	115.638	
12,600.00	7,130.83	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,831.31	3,797.93	33.38	114.768	
12,700.00	7,131.24	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,804.68	3,771.30	33.38	113.970	
12,800.00	7,131.66	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,780.51	3,747.12	33.38	113.246	
12,900.00	7,132.07	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,758.84	3,725.46	33.38	112.597	
13,000.00	7,132.49	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,739.72	3,706.34	33.38	112.025	
13,100.00	7,132.90	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,723.20	3,689.81	33.38	111.529	
13,200.00	7,133.31	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,709.29	3,675.91	33.38	111.113	
13,300.00	7,133.73	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,698.04	3,664.66	33.38	110.776	
13,400.00	7,134.14	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,689.46	3,656.08	33.38	110.519	
13,500.00	7,134.56	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,683.59	3,650.20	33.38	110.343	
13,600.00	7,134.97	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,680.42	3,647.03	33.38	110.248	
13,666.74	7,135.25	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,679.81	3,646.43	33.38	110.230	CC, ES
13,700.00	7,135.38	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,679.96	3,646.58	33.38	110.234	
13,800.00	7,135.80	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,682.22	3,648.84	33.38	110.302	
13,900.00	7,136.21	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,687.20	3,653.81	33.38	110.451	
14,000.00	7,136.62	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,694.87	3,661.49	33.38	110.681	
14,100.00	7,137.04	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,705.23	3,671.85	33.38	110.991	
14,200.00	7,137.45	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,718.25	3,684.87	33.38	111.381	
14,300.00	7,137.87	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,733.90	3,700.52	33.38	111.850	
14,400.00	7,138.28	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,752.16	3,718.77	33.38	112.397	
14,500.00	7,138.69	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,772.97	3,739.59	33.38	113.021	
14,600.00	7,139.11	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,796.31	3,762.93	33.38	113.720	
14,700.00	7,139.52	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,822.12	3,788.74	33.38	114.493	
14,800.00	7,139.94	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,850.36	3,816.98	33.38	115.339	
14,900.00	7,140.35	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,880.97	3,847.59	33.38	116.256	
15,000.00	7,140.76	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,913.90	3,880.51	33.38	117.242	
15,100.00	7,141.18	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,949.08	3,915.70	33.38	118.296	
15,200.00	7,141.59	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	3,986.46	3,953.08	33.38	119.416	
15,300.00	7,142.00	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,025.98	3,992.60	33.38	120.600	
15,400.00	7,142.42	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,067.58	4,034.20	33.38	121.846	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,111.19	4,077.80	33.38	123.152	
15,600.00	7,143.25	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,156.74	4,123.36	33.38	124.516	
15,700.00	7,143.66	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,204.18	4,170.80	33.38	125.938	
15,800.00	7,144.07	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,253.45	4,220.06	33.38	127.413	
15,900.00	7,144.49	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,304.47	4,271.09	33.38	128.942	
16,000.00	7,144.90	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,357.19	4,323.81	33.38	130.521	
16,100.00	7,145.32	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,411.55	4,378.17	33.38	132.149	
16,200.00	7,145.73	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,467.49	4,434.10	33.38	133.825	
16,300.00	7,146.14	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,524.94	4,491.56	33.38	135.546	
16,400.00	7,146.56	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,583.86	4,550.47	33.38	137.311	
16,500.00	7,146.97	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,644.18	4,610.80	33.38	139.118	
16,600.00	7,147.38	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,705.85	4,672.47	33.38	140.965	
16,700.00	7,147.80	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,768.83	4,735.44	33.38	142.852	
16,800.00	7,148.21	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,833.05	4,799.66	33.38	144.775	
16,900.00	7,148.63	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,898.47	4,865.09	33.38	146.735	
17,000.00	7,149.04	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	4,965.04	4,931.66	33.38	148.729	
17,100.00	7,149.45	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,032.72	4,999.34	33.38	150.757	
17,200.00	7,149.87	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,101.47	5,068.08	33.38	152.816	
17,232.03	7,150.00	3,615.00	3,557.69	0.00	142.60	-13.54	877.57	6,328.80	5,123.71	5,090.32	33.38	153.482	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	66.61	0.00	0.00	173.85	-1,851.21	199.57	1,863.13				
100.00	100.00	33.39	100.00	0.00	0.67	173.85	-1,851.21	199.57	1,861.94	1,861.27	0.67	2,786.774	
200.00	200.00	133.39	200.00	0.00	3.34	173.85	-1,851.21	199.57	1,861.94	1,858.60	3.34	558.168	
300.00	300.00	233.39	300.00	0.00	7.34	173.85	-1,851.21	199.57	1,861.94	1,854.60	7.34	253.815	CC
400.00	399.98	333.37	399.98	0.00	11.33	-96.26	-1,851.21	199.57	1,862.13	1,850.79	11.33	164.282	
500.00	499.84	433.23	499.84	0.00	15.33	-96.41	-1,851.21	199.57	1,862.70	1,847.38	15.33	121.516	
600.00	599.47	532.86	599.47	0.00	19.31	-96.65	-1,851.21	199.57	1,863.67	1,844.36	19.31	96.495	
700.00	699.05	632.44	699.05	0.00	23.30	-96.93	-1,851.21	199.57	1,864.77	1,841.47	23.30	80.046	
800.00	798.62	732.01	798.62	0.00	27.28	-97.21	-1,851.21	199.57	1,865.91	1,838.63	27.28	68.401	
900.00	898.20	831.59	898.20	0.00	31.26	-97.49	-1,851.21	199.57	1,867.09	1,835.83	31.26	59.725	
1,000.00	997.77	931.16	997.77	0.00	35.25	-97.77	-1,851.21	199.57	1,868.32	1,833.08	35.24	53.011	
1,100.00	1,097.35	1,030.74	1,097.35	0.00	39.23	-98.05	-1,851.21	199.57	1,869.60	1,830.37	39.23	47.662	
1,200.00	1,196.92	1,130.31	1,196.92	0.00	43.21	-98.33	-1,851.21	199.57	1,870.91	1,827.70	43.21	43.299	
1,300.00	1,296.49	1,229.88	1,296.49	0.00	47.20	-98.61	-1,851.21	199.57	1,872.28	1,825.09	47.19	39.674	
1,400.00	1,396.07	1,329.46	1,396.07	0.00	51.18	-98.88	-1,851.21	199.57	1,873.68	1,822.51	51.17	36.614	
1,500.00	1,495.64	1,429.03	1,495.64	0.00	55.16	-99.16	-1,851.21	199.57	1,875.13	1,819.98	55.16	33.997	
1,600.00	1,595.22	1,528.61	1,595.22	0.00	59.14	-99.44	-1,851.21	199.57	1,876.63	1,817.49	59.14	31.733	
1,700.00	1,694.79	1,628.18	1,694.79	0.00	63.13	-99.71	-1,851.21	199.57	1,878.17	1,815.05	63.12	29.756	
1,800.00	1,794.37	1,727.76	1,794.37	0.00	67.11	-99.99	-1,851.21	199.57	1,879.75	1,812.65	67.10	28.013	
1,900.00	1,893.94	1,827.33	1,893.94	0.00	71.09	-100.26	-1,851.21	199.57	1,881.38	1,810.30	71.08	26.467	
2,000.00	1,993.51	1,926.90	1,993.51	0.00	75.08	-100.54	-1,851.21	199.57	1,883.05	1,807.99	75.07	25.085	
2,100.00	2,093.09	2,026.48	2,093.09	0.00	79.06	-100.81	-1,851.21	199.57	1,884.77	1,805.72	79.05	23.843	
2,200.00	2,192.66	2,126.05	2,192.66	0.00	83.04	-101.09	-1,851.21	199.57	1,886.52	1,803.50	83.03	22.721	
2,300.00	2,292.24	2,225.63	2,292.24	0.00	87.03	-101.36	-1,851.21	199.57	1,888.33	1,801.32	87.01	21.702	
2,400.00	2,391.81	2,325.20	2,391.81	0.00	91.01	-101.63	-1,851.21	199.57	1,890.17	1,799.18	90.99	20.773	
2,500.00	2,491.39	2,424.78	2,491.39	0.00	94.99	-101.91	-1,851.21	199.57	1,892.06	1,797.08	94.97	19.922	
2,600.00	2,590.96	2,524.35	2,590.96	0.00	98.97	-102.18	-1,851.21	199.57	1,893.99	1,795.03	98.96	19.140	
2,700.00	2,690.53	2,623.92	2,690.53	0.00	102.96	-102.45	-1,851.21	199.57	1,895.96	1,793.03	102.94	18.419	
2,800.00	2,790.11	2,723.50	2,790.11	0.00	106.94	-102.72	-1,851.21	199.57	1,897.98	1,791.06	106.92	17.752	
2,900.00	2,889.68	2,823.07	2,889.68	0.00	110.92	-102.99	-1,851.21	199.57	1,900.04	1,789.14	110.90	17.133	
3,000.00	2,989.26	2,922.65	2,989.26	0.00	114.91	-103.26	-1,851.21	199.57	1,902.14	1,787.26	114.88	16.558	
3,100.00	3,088.83	3,022.22	3,088.83	0.00	118.89	-103.53	-1,851.21	199.57	1,904.28	1,785.42	118.86	16.021	
3,200.00	3,188.41	3,121.80	3,188.41	0.00	122.87	-103.80	-1,851.21	199.57	1,906.47	1,783.63	122.84	15.520	
3,300.00	3,287.98	3,221.37	3,287.98	0.00	126.85	-104.06	-1,851.21	199.57	1,908.70	1,781.87	126.82	15.050	
3,400.00	3,387.56	3,320.95	3,387.56	0.00	130.84	-104.33	-1,851.21	199.57	1,910.97	1,780.16	130.80	14.609	ES
3,500.00	3,487.13	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,913.61	1,780.24	133.36	14.349	SF
3,600.00	3,586.70	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,920.39	1,787.02	133.36	14.400	
3,700.00	3,686.28	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,932.33	1,798.96	133.36	14.489	
3,800.00	3,785.85	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,949.33	1,815.96	133.36	14.617	
3,900.00	3,885.43	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,971.26	1,837.90	133.36	14.781	
4,000.00	3,985.00	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,997.97	1,864.60	133.36	14.981	
4,100.00	4,084.58	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,029.26	1,895.89	133.36	15.216	
4,200.00	4,184.15	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,064.92	1,931.55	133.36	15.483	
4,300.00	4,283.72	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,104.73	1,971.36	133.36	15.782	
4,400.00	4,383.30	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,148.46	2,015.09	133.36	16.110	
4,500.00	4,482.87	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,195.88	2,062.51	133.36	16.465	
4,600.00	4,582.45	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,246.75	2,113.38	133.36	16.847	
4,700.00	4,682.02	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,300.84	2,167.48	133.36	17.252	
4,800.00	4,781.60	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,357.94	2,224.57	133.36	17.680	
4,900.00	4,881.17	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,417.82	2,284.46	133.36	18.129	
5,000.00	4,980.74	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,480.29	2,346.93	133.36	18.598	
5,100.00	5,080.32	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,545.16	2,411.80	133.36	19.084	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,612.25	2,478.89	133.36	19.587	
5,300.00	5,279.47	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,681.39	2,548.02	133.36	20.106	
5,400.00	5,379.04	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,752.43	2,619.06	133.36	20.638	
5,500.00	5,478.62	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,825.22	2,691.85	133.36	21.184	
5,600.00	5,578.19	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,899.63	2,766.26	133.36	21.742	
5,700.00	5,677.77	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,975.54	2,842.18	133.36	22.311	
5,800.00	5,777.34	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,052.84	2,919.48	133.36	22.891	
5,900.00	5,876.91	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,131.43	2,998.06	133.36	23.480	
6,000.00	5,976.49	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,211.20	3,077.84	133.36	24.078	
6,100.00	6,076.06	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,292.09	3,158.72	133.36	24.685	
6,200.00	6,175.64	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,373.99	3,240.63	133.36	25.299	
6,300.00	6,275.24	3,385.00	3,451.61	0.00	133.40	-105.64	-1,851.21	199.57	3,456.81	3,323.44	133.37	25.919	
6,400.00	6,375.13	3,385.00	3,451.61	0.00	133.40	65.73	-1,851.21	199.57	3,539.44	3,406.06	133.38	26.536	
6,500.00	6,474.53	3,385.00	3,451.61	0.00	133.40	56.58	-1,851.21	199.57	3,619.90	3,487.07	132.83	27.253	
6,600.00	6,571.72	3,385.00	3,451.61	0.00	133.40	49.31	-1,851.21	199.57	3,696.96	3,566.06	130.90	28.242	
6,700.00	6,665.06	3,385.00	3,451.61	0.00	133.40	43.56	-1,851.21	199.57	3,769.58	3,642.43	127.15	29.647	
6,800.00	6,752.94	3,385.00	3,451.61	0.00	133.40	39.06	-1,851.21	199.57	3,836.78	3,715.32	121.46	31.589	
6,900.00	6,833.85	3,385.00	3,451.61	0.00	133.40	35.56	-1,851.21	199.57	3,897.72	3,783.73	113.99	34.192	
7,000.00	6,906.42	3,385.00	3,451.61	0.00	133.40	32.86	-1,851.21	199.57	3,951.68	3,846.61	105.07	37.610	
7,100.00	6,969.40	3,385.00	3,451.61	0.00	133.40	30.79	-1,851.21	199.57	3,998.04	3,902.90	95.14	42.022	
7,200.00	7,021.72	3,385.00	3,451.61	0.00	133.40	29.23	-1,851.21	199.57	4,036.26	3,951.44	84.83	47.582	
7,300.00	7,062.47	3,385.00	3,451.61	0.00	133.40	28.11	-1,851.21	199.57	4,065.95	3,990.98	74.97	54.233	
7,400.00	7,090.97	3,385.00	3,451.61	0.00	133.40	27.37	-1,851.21	199.57	4,086.77	4,020.05	66.72	61.251	
7,500.00	7,106.72	3,385.00	3,451.61	0.00	133.40	26.96	-1,851.21	199.57	4,098.51	4,037.03	61.48	66.661	
7,600.00	7,110.14	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,101.65	4,041.36	60.30	68.025	
7,700.00	7,110.55	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,104.55	4,044.26	60.30	68.073	
7,800.00	7,110.97	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,109.89	4,049.59	60.30	68.162	
7,900.00	7,111.38	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,117.64	4,057.35	60.30	68.290	
8,000.00	7,111.79	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,127.81	4,067.51	60.30	68.459	
8,100.00	7,112.21	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,140.36	4,080.06	60.30	68.667	
8,200.00	7,112.62	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,155.28	4,094.99	60.30	68.915	
8,300.00	7,113.03	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,172.55	4,112.26	60.30	69.201	
8,400.00	7,113.45	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,192.14	4,131.84	60.30	69.526	
8,500.00	7,113.86	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,214.00	4,153.71	60.30	69.889	
8,600.00	7,114.28	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,238.11	4,177.82	60.30	70.288	
8,700.00	7,114.69	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,264.44	4,204.14	60.30	70.725	
8,800.00	7,115.10	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,292.93	4,232.63	60.30	71.197	
8,900.00	7,115.52	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,323.54	4,263.25	60.30	71.705	
9,000.00	7,115.93	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,356.24	4,295.95	60.30	72.248	
9,100.00	7,116.35	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,390.97	4,330.68	60.30	72.824	
9,200.00	7,116.76	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,427.69	4,367.40	60.30	73.433	
9,300.00	7,117.17	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,466.35	4,406.05	60.30	74.074	
9,400.00	7,117.59	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,506.89	4,446.59	60.30	74.746	
9,500.00	7,118.00	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,549.27	4,488.98	60.30	75.449	
9,600.00	7,118.41	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,593.44	4,533.14	60.30	76.181	
9,700.00	7,118.83	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,639.34	4,579.04	60.30	76.943	
9,800.00	7,119.24	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,686.93	4,626.63	60.30	77.732	
9,900.00	7,119.66	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,736.15	4,675.85	60.30	78.548	
10,000.00	7,120.07	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,786.95	4,726.66	60.30	79.391	
10,100.00	7,120.48	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,839.29	4,778.99	60.30	80.259	
10,200.00	7,120.90	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,893.11	4,832.81	60.30	81.151	
10,300.00	7,121.31	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	4,948.37	4,888.07	60.30	82.068	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,005.01	4,944.71	60.30	83.007	
10,500.00	7,122.14	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,063.00	5,002.70	60.30	83.969	
10,600.00	7,122.55	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,122.28	5,061.98	60.30	84.952	
10,700.00	7,122.97	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,182.81	5,122.52	60.30	85.956	
10,800.00	7,123.38	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,244.55	5,184.26	60.30	86.980	
10,900.00	7,123.79	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,307.46	5,247.17	60.30	88.023	
11,000.00	7,124.21	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,371.50	5,311.20	60.30	89.085	
11,100.00	7,124.62	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,436.61	5,376.32	60.30	90.165	
11,200.00	7,125.04	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,502.78	5,442.48	60.30	91.263	
11,300.00	7,125.45	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,569.95	5,509.66	60.30	92.377	
11,400.00	7,125.86	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,638.10	5,577.81	60.30	93.507	
11,500.00	7,126.28	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,707.19	5,646.89	60.30	94.653	
11,600.00	7,126.69	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,777.18	5,716.88	60.30	95.814	
11,700.00	7,127.11	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,848.04	5,787.75	60.30	96.989	
11,800.00	7,127.52	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,919.75	5,859.45	60.30	98.178	
11,900.00	7,127.93	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	5,992.26	5,931.97	60.30	99.381	
12,000.00	7,128.35	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,065.56	6,005.27	60.30	100.596	
12,100.00	7,128.76	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,139.61	6,079.32	60.30	101.824	
12,200.00	7,129.18	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,214.39	6,154.09	60.30	103.065	
12,300.00	7,129.59	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,289.87	6,229.57	60.30	104.316	
12,400.00	7,130.00	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,366.02	6,305.73	60.30	105.579	
12,500.00	7,130.42	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,442.83	6,382.53	60.30	106.853	
12,600.00	7,130.83	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,520.27	6,459.97	60.30	108.138	
12,700.00	7,131.24	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,598.31	6,538.01	60.30	109.432	
12,800.00	7,131.66	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,676.94	6,616.64	60.30	110.736	
12,900.00	7,132.07	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,756.13	6,695.83	60.30	112.049	
13,000.00	7,132.49	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,835.87	6,775.57	60.30	113.372	
13,100.00	7,132.90	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,916.13	6,855.84	60.30	114.703	
13,200.00	7,133.31	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	6,996.91	6,936.61	60.30	116.043	
13,300.00	7,133.73	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,078.17	7,017.88	60.30	117.390	
13,400.00	7,134.14	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,159.91	7,099.61	60.30	118.746	
13,500.00	7,134.56	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,242.11	7,181.81	60.30	120.109	
13,600.00	7,134.97	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,324.75	7,264.45	60.30	121.480	
13,700.00	7,135.38	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,407.82	7,347.52	60.30	122.857	
13,800.00	7,135.80	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,491.30	7,431.00	60.30	124.242	
13,900.00	7,136.21	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,575.18	7,514.88	60.30	125.633	
14,000.00	7,136.62	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,659.45	7,599.15	60.30	127.031	
14,100.00	7,137.04	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,744.09	7,683.80	60.30	128.434	
14,200.00	7,137.45	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,829.10	7,768.80	60.30	129.844	
14,300.00	7,137.87	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	7,914.45	7,854.16	60.30	131.260	
14,400.00	7,138.28	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,000.15	7,939.85	60.30	132.681	
14,500.00	7,138.69	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,086.17	8,025.88	60.30	134.108	
14,600.00	7,139.11	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,172.51	8,112.22	60.30	135.540	
14,700.00	7,139.52	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,259.17	8,198.87	60.30	136.977	
14,800.00	7,139.94	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,346.11	8,285.82	60.30	138.419	
14,900.00	7,140.35	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,433.35	8,373.06	60.30	139.866	
15,000.00	7,140.76	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,520.87	8,460.57	60.30	141.317	
15,100.00	7,141.18	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,608.66	8,548.36	60.30	142.773	
15,200.00	7,141.59	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,696.71	8,636.42	60.30	144.234	
15,300.00	7,142.00	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,785.02	8,724.73	60.30	145.698	
15,400.00	7,142.42	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,873.58	8,813.29	60.30	147.167	
15,500.00	7,142.83	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	8,962.38	8,902.08	60.30	148.640	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,143.25	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,051.41	8,991.12	60.30	150.116	
15,700.00	7,143.66	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,140.67	9,080.38	60.30	151.597	
15,800.00	7,144.07	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,230.15	9,169.85	60.30	153.081	
15,900.00	7,144.49	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,319.84	9,259.55	60.30	154.568	
16,000.00	7,144.90	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,409.74	9,349.45	60.30	156.059	
16,100.00	7,145.32	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,499.85	9,439.55	60.30	157.553	
16,200.00	7,145.73	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,590.15	9,529.85	60.30	159.051	
16,300.00	7,146.14	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,680.64	9,620.34	60.30	160.552	
16,400.00	7,146.56	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,771.31	9,711.01	60.30	162.056	
16,500.00	7,146.97	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,862.17	9,801.87	60.30	163.562	
16,600.00	7,147.38	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	9,953.20	9,892.90	60.30	165.072	
16,700.00	7,147.80	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,044.40	9,984.10	60.30	166.585	
16,800.00	7,148.21	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,135.77	10,075.47	60.30	168.100	
16,900.00	7,148.63	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,227.29	10,167.00	60.30	169.618	
17,000.00	7,149.04	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,318.98	10,258.68	60.30	171.139	
17,100.00	7,149.45	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,410.82	10,350.52	60.30	172.662	
17,200.00	7,149.87	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,502.81	10,442.51	60.30	174.187	
17,232.03	7,150.00	3,385.00	3,451.61	0.00	133.40	26.87	-1,851.21	199.57	10,532.31	10,472.01	60.30	174.677	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	2.28	0.00	0.00	12.76	719.05	162.79	737.25				
100.00	100.00	97.72	100.00	0.00	1.95	12.76	719.05	162.79	737.25	735.29	1.95	377.185	
200.00	200.00	197.72	200.00	0.00	5.91	12.76	719.05	162.79	737.25	731.34	5.91	124.767	
300.00	300.00	297.72	300.00	0.00	9.91	12.76	719.05	162.79	737.25	727.34	9.91	74.402 CC	
400.00	399.98	397.70	399.98	0.00	13.91	102.83	719.05	162.79	737.63	723.73	13.91	53.037	
500.00	499.84	497.56	499.84	0.00	17.90	103.20	719.05	162.79	738.81	720.91	17.90	41.274	
600.00	599.47	597.19	599.47	0.00	21.89	103.81	719.05	162.79	740.80	718.92	21.88	33.853	
700.00	699.05	696.77	699.05	0.00	25.87	104.50	719.05	162.79	743.07	717.20	25.86	28.730	
800.00	798.62	796.34	798.62	0.00	29.85	105.18	719.05	162.79	745.44	715.59	29.85	24.977	
900.00	898.20	895.92	898.20	0.00	33.84	105.86	719.05	162.79	747.91	714.09	33.83	22.111	
1,000.00	997.77	995.49	997.77	0.00	37.82	106.54	719.05	162.79	750.49	712.69	37.81	19.851	
1,100.00	1,097.35	1,095.07	1,097.35	0.00	41.80	107.21	719.05	162.79	753.18	711.39	41.79	18.024	
1,200.00	1,196.92	1,194.64	1,196.92	0.00	45.79	107.87	719.05	162.79	755.97	710.20	45.77	16.518	
1,300.00	1,296.49	1,294.21	1,296.49	0.00	49.77	108.53	719.05	162.79	758.86	709.11	49.75	15.254	
1,400.00	1,396.07	1,393.79	1,396.07	0.00	53.75	109.18	719.05	162.79	761.85	708.12	53.73	14.180	
1,500.00	1,495.64	1,493.36	1,495.64	0.00	57.73	109.83	719.05	162.79	764.94	707.23	57.71	13.256	
1,600.00	1,595.22	1,592.94	1,595.22	0.00	61.72	110.48	719.05	162.79	768.13	706.44	61.69	12.452	
1,700.00	1,694.79	1,692.51	1,694.79	0.00	65.70	111.12	719.05	162.79	771.41	705.75	65.66	11.748	
1,800.00	1,794.37	1,792.09	1,794.37	0.00	69.68	111.75	719.05	162.79	774.79	705.15	69.64	11.125	
1,900.00	1,893.94	1,891.66	1,893.94	0.00	73.67	112.38	719.05	162.79	778.27	704.64	73.62	10.571	
2,000.00	1,993.51	1,991.23	1,993.51	0.00	77.65	113.00	719.05	162.79	781.83	704.24	77.60	10.075	
2,100.00	2,093.09	2,090.81	2,093.09	0.00	81.63	113.62	719.05	162.79	785.49	703.92	81.58	9.629	
2,200.00	2,192.66	2,190.38	2,192.66	0.00	85.62	114.23	719.05	162.79	789.25	703.69	85.55	9.225	
2,300.00	2,292.24	2,289.96	2,292.24	0.00	89.60	114.83	719.05	162.79	793.09	703.55	89.53	8.858	
2,400.00	2,391.81	2,389.53	2,391.81	0.00	93.58	115.43	719.05	162.79	797.01	703.51	93.51	8.523 ES	
2,500.00	2,491.39	2,489.11	2,491.39	0.00	97.56	116.03	719.05	162.79	801.03	703.54	97.48	8.217	
2,600.00	2,590.96	2,588.68	2,590.96	0.00	101.55	116.61	719.05	162.79	805.13	703.67	101.46	7.935	
2,700.00	2,690.53	2,688.25	2,690.53	0.00	105.53	117.19	719.05	162.79	809.31	703.88	105.44	7.676	
2,800.00	2,790.11	2,787.83	2,790.11	0.00	109.51	117.77	719.05	162.79	813.58	704.17	109.41	7.436	
2,900.00	2,889.68	2,887.40	2,889.68	0.00	113.50	118.34	719.05	162.79	817.93	704.54	113.39	7.214	
3,000.00	2,989.26	2,986.98	2,989.26	0.00	117.48	118.90	719.05	162.79	822.36	705.00	117.36	7.007	
3,100.00	3,088.83	3,086.55	3,088.83	0.00	121.46	119.46	719.05	162.79	826.87	705.53	121.34	6.815	
3,200.00	3,188.41	3,186.13	3,188.41	0.00	125.45	120.01	719.05	162.79	831.46	706.14	125.31	6.635	
3,300.00	3,287.98	3,285.70	3,287.98	0.00	129.43	120.56	719.05	162.79	836.12	706.83	129.29	6.467	
3,400.00	3,387.56	3,385.28	3,387.56	0.00	133.41	121.10	719.05	162.79	840.86	707.60	133.26	6.310	
3,500.00	3,487.13	3,484.85	3,487.13	0.00	137.39	121.63	719.05	162.79	845.67	708.44	137.23	6.162	
3,600.00	3,586.70	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	852.99	714.35	138.64	6.153 SF	
3,700.00	3,686.28	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	871.09	732.45	138.64	6.283	
3,800.00	3,785.85	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	900.00	761.36	138.64	6.492	
3,900.00	3,885.43	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	938.72	800.08	138.64	6.771	
4,000.00	3,985.00	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	986.10	847.46	138.64	7.113	
4,100.00	4,084.58	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,040.96	902.32	138.64	7.509	
4,200.00	4,184.15	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,102.18	963.54	138.64	7.950	
4,300.00	4,283.72	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,168.76	1,030.12	138.64	8.430	
4,400.00	4,383.30	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,239.84	1,101.20	138.64	8.943	
4,500.00	4,482.87	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,314.68	1,176.05	138.64	9.483	
4,600.00	4,582.45	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,392.69	1,254.06	138.64	10.046	
4,700.00	4,682.02	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,473.36	1,334.72	138.64	10.628	
4,800.00	4,781.60	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,556.28	1,417.64	138.64	11.226	
4,900.00	4,881.17	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,641.09	1,502.46	138.64	11.837	
5,000.00	4,980.74	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,727.54	1,588.90	138.64	12.461	
5,100.00	5,080.32	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,815.38	1,676.74	138.64	13.095	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,904.41	1,765.78	138.64	13.737	
5,300.00	5,279.47	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,994.49	1,855.85	138.64	14.386	
5,400.00	5,379.04	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,085.47	1,946.84	138.64	15.043	
5,500.00	5,478.62	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,177.24	2,038.61	138.64	15.705	
5,600.00	5,578.19	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,269.71	2,131.08	138.64	16.372	
5,700.00	5,677.77	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,362.79	2,224.16	138.64	17.043	
5,800.00	5,777.34	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,456.42	2,317.78	138.64	17.718	
5,900.00	5,876.91	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,550.53	2,411.89	138.64	18.397	
6,000.00	5,976.49	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,645.07	2,506.43	138.64	19.079	
6,100.00	6,076.06	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,740.00	2,601.36	138.64	19.764	
6,200.00	6,175.64	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,835.28	2,696.64	138.64	20.451	
6,300.00	6,275.24	3,520.00	3,522.28	0.00	138.80	123.97	719.05	162.79	2,930.83	2,792.16	138.67	21.136	
6,400.00	6,375.13	3,520.00	3,522.28	0.00	138.80	-40.98	719.05	162.79	3,025.47	2,886.72	138.74	21.806	
6,500.00	6,474.53	3,520.00	3,522.28	0.00	138.80	-31.14	719.05	162.79	3,117.03	2,979.68	137.36	22.693	
6,600.00	6,571.72	3,520.00	3,522.28	0.00	138.80	-24.87	719.05	162.79	3,204.27	3,070.55	133.72	23.962	
6,700.00	6,665.06	3,520.00	3,522.28	0.00	138.80	-20.74	719.05	162.79	3,286.10	3,158.32	127.78	25.717	
6,800.00	6,752.94	3,520.00	3,522.28	0.00	138.80	-17.88	719.05	162.79	3,361.55	3,241.90	119.65	28.095	
6,900.00	6,833.85	3,520.00	3,522.28	0.00	138.80	-15.85	719.05	162.79	3,429.80	3,320.26	109.53	31.313	
7,000.00	6,906.42	3,520.00	3,522.28	0.00	138.80	-14.37	719.05	162.79	3,490.13	3,392.46	97.67	35.735	
7,100.00	6,969.40	3,520.00	3,522.28	0.00	138.80	-13.28	719.05	162.79	3,541.94	3,457.58	84.36	41.987	
7,200.00	7,021.72	3,520.00	3,522.28	0.00	138.80	-12.49	719.05	162.79	3,584.72	3,514.72	70.01	51.206	
7,300.00	7,062.47	3,520.00	3,522.28	0.00	138.80	-11.93	719.05	162.79	3,618.09	3,562.89	55.20	65.546	
7,400.00	7,090.97	3,520.00	3,522.28	0.00	138.80	-11.56	719.05	162.79	3,641.73	3,600.70	41.03	88.752	
7,500.00	7,106.72	3,520.00	3,522.28	0.00	138.80	-11.35	719.05	162.79	3,655.43	3,625.34	30.09	121.479	
7,600.00	7,110.14	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,659.73	3,632.53	27.20	134.553	
7,700.00	7,110.55	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,663.82	3,636.62	27.20	134.703	
7,800.00	7,110.97	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,670.63	3,643.43	27.20	134.953	
7,900.00	7,111.38	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,680.15	3,652.95	27.20	135.303	
8,000.00	7,111.79	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,692.34	3,665.15	27.20	135.752	
8,100.00	7,112.21	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,707.20	3,680.00	27.20	136.298	
8,200.00	7,112.62	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,724.69	3,697.49	27.20	136.941	
8,300.00	7,113.03	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,744.76	3,717.56	27.20	137.679	
8,400.00	7,113.45	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,767.38	3,740.18	27.20	138.511	
8,500.00	7,113.86	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,792.51	3,765.31	27.20	139.434	
8,600.00	7,114.28	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,820.09	3,792.89	27.20	140.448	
8,700.00	7,114.69	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,850.07	3,822.87	27.20	141.550	
8,800.00	7,115.10	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,882.39	3,855.19	27.20	142.739	
8,900.00	7,115.52	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,917.00	3,889.80	27.20	144.011	
9,000.00	7,115.93	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,953.84	3,926.64	27.20	145.366	
9,100.00	7,116.35	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	3,992.84	3,965.64	27.20	146.800	
9,200.00	7,116.76	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,033.95	4,006.75	27.20	148.311	
9,300.00	7,117.17	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,077.09	4,049.89	27.20	149.897	
9,400.00	7,117.59	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,122.21	4,095.01	27.20	151.556	
9,500.00	7,118.00	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,169.24	4,142.04	27.20	153.285	
9,600.00	7,118.41	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,218.11	4,190.91	27.20	155.082	
9,700.00	7,118.83	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,268.77	4,241.57	27.20	156.945	
9,800.00	7,119.24	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,321.15	4,293.95	27.20	158.870	
9,900.00	7,119.66	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,375.19	4,347.99	27.20	160.857	
10,000.00	7,120.07	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,430.83	4,403.63	27.20	162.903	
10,100.00	7,120.48	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,488.01	4,460.81	27.20	165.005	
10,200.00	7,120.90	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,546.66	4,519.46	27.20	167.161	
10,300.00	7,121.31	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,606.74	4,579.54	27.20	169.370	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,668.19	4,640.99	27.20	171.629	
10,500.00	7,122.14	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,730.96	4,703.76	27.20	173.937	
10,600.00	7,122.55	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,794.99	4,767.79	27.20	176.291	
10,700.00	7,122.97	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,860.23	4,833.03	27.20	178.690	
10,800.00	7,123.38	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,926.64	4,899.44	27.20	181.132	
10,900.00	7,123.79	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	4,994.17	4,966.97	27.20	183.614	
11,000.00	7,124.21	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,062.77	5,035.57	27.20	186.137	
11,100.00	7,124.62	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,132.41	5,105.21	27.20	188.697	
11,200.00	7,125.04	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,203.03	5,175.83	27.20	191.293	
11,300.00	7,125.45	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,274.61	5,247.41	27.20	193.925	
11,400.00	7,125.86	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,347.10	5,319.90	27.20	196.590	
11,500.00	7,126.28	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,420.46	5,393.26	27.20	199.287	
11,600.00	7,126.69	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,494.66	5,467.46	27.20	202.015	
11,700.00	7,127.11	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,569.67	5,542.48	27.20	204.773	
11,800.00	7,127.52	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,645.46	5,618.26	27.20	207.559	
11,900.00	7,127.93	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,721.99	5,694.79	27.20	210.373	
12,000.00	7,128.35	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,799.23	5,772.03	27.20	213.213	
12,100.00	7,128.76	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,877.16	5,849.96	27.20	216.078	
12,200.00	7,129.18	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	5,955.75	5,928.55	27.20	218.968	
12,300.00	7,129.59	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,034.98	6,007.78	27.20	221.880	
12,400.00	7,130.00	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,114.81	6,087.61	27.20	224.815	
12,500.00	7,130.42	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,195.22	6,168.03	27.20	227.772	
12,600.00	7,130.83	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,276.21	6,249.01	27.20	230.749	
12,700.00	7,131.24	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,357.73	6,330.53	27.20	233.746	
12,800.00	7,131.66	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,439.77	6,412.57	27.20	236.763	
12,900.00	7,132.07	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,522.31	6,495.11	27.20	239.798	
13,000.00	7,132.49	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,605.34	6,578.14	27.20	242.850	
13,100.00	7,132.90	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,688.83	6,661.63	27.20	245.920	
13,200.00	7,133.31	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,772.77	6,745.57	27.20	249.006	
13,300.00	7,133.73	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,857.14	6,829.94	27.20	252.108	
13,400.00	7,134.14	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	6,941.92	6,914.72	27.20	255.225	
13,500.00	7,134.56	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,027.11	6,999.91	27.20	258.357	
13,600.00	7,134.97	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,112.68	7,085.48	27.20	261.503	
13,700.00	7,135.38	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,198.62	7,171.42	27.20	264.662	
13,800.00	7,135.80	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,284.92	7,257.72	27.20	267.835	
13,900.00	7,136.21	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,371.57	7,344.37	27.20	271.021	
14,000.00	7,136.62	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,458.55	7,431.35	27.20	274.219	
14,100.00	7,137.04	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,545.85	7,518.65	27.20	277.429	
14,200.00	7,137.45	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,633.47	7,606.27	27.20	280.650	
14,300.00	7,137.87	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,721.38	7,694.18	27.20	283.882	
14,400.00	7,138.28	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,809.59	7,782.39	27.20	287.125	
14,500.00	7,138.69	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,898.08	7,870.88	27.20	290.379	
14,600.00	7,139.11	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	7,986.84	7,959.64	27.20	293.642	
14,700.00	7,139.52	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,075.86	8,048.66	27.20	296.915	
14,800.00	7,139.94	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,165.14	8,137.94	27.20	300.197	
14,900.00	7,140.35	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,254.66	8,227.46	27.20	303.489	
15,000.00	7,140.76	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,344.42	8,317.22	27.20	306.789	
15,100.00	7,141.18	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,434.41	8,407.21	27.20	310.097	
15,200.00	7,141.59	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,524.63	8,497.43	27.20	313.414	
15,300.00	7,142.00	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,615.06	8,587.86	27.20	316.739	
15,400.00	7,142.42	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,705.70	8,678.50	27.20	320.071	
15,500.00	7,142.83	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,796.54	8,769.34	27.20	323.411	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,143.25	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,887.58	8,860.38	27.20	326.758	
15,700.00	7,143.66	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	8,978.81	8,951.61	27.20	330.112	
15,800.00	7,144.07	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,070.22	9,043.02	27.20	333.473	
15,900.00	7,144.49	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,161.81	9,134.62	27.20	336.841	
16,000.00	7,144.90	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,253.58	9,226.38	27.20	340.215	
16,100.00	7,145.32	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,345.52	9,318.32	27.20	343.595	
16,200.00	7,145.73	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,437.62	9,410.42	27.20	346.981	
16,300.00	7,146.14	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,529.88	9,502.68	27.20	350.373	
16,400.00	7,146.56	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,622.29	9,595.10	27.20	353.771	
16,500.00	7,146.97	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,714.86	9,687.66	27.20	357.174	
16,600.00	7,147.38	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,807.57	9,780.37	27.20	360.582	
16,700.00	7,147.80	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,900.42	9,873.22	27.20	363.996	
16,800.00	7,148.21	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	9,993.41	9,966.21	27.20	367.415	
16,900.00	7,148.63	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	10,086.54	10,059.34	27.20	370.839	
17,000.00	7,149.04	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	10,179.79	10,152.59	27.20	374.267	
17,100.00	7,149.45	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	10,273.18	10,245.98	27.20	377.701	
17,200.00	7,149.87	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	10,366.68	10,339.48	27.20	381.139	
17,232.03	7,150.00	3,520.00	3,522.28	0.00	138.80	-11.30	719.05	162.79	10,396.66	10,369.46	27.20	382.241	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.31	0.00	0.00	0.03	75.19	968.59	3,663.09	3,788.98				
100.00	100.00	101.31	100.00	0.00	2.05	75.19	968.59	3,663.09	3,788.98	3,786.93	2.05	1,845.943	
200.00	200.00	201.31	200.00	0.00	6.05	75.19	968.59	3,663.09	3,788.98	3,782.93	6.05	626.009	
300.00	300.00	301.31	300.00	0.00	10.05	75.19	968.59	3,663.09	3,788.98	3,778.93	10.05	376.916	
400.00	399.98	401.29	399.98	0.00	14.05	165.13	968.59	3,663.09	3,790.67	3,776.63	14.04	269.918	
500.00	499.84	501.15	499.84	0.00	18.05	165.13	968.59	3,663.09	3,795.73	3,777.72	18.01	210.815	
600.00	599.47	600.78	599.47	0.00	22.03	165.13	968.59	3,663.09	3,803.94	3,782.00	21.94	173.348	
700.00	699.05	700.36	699.05	0.00	26.01	165.17	968.59	3,663.09	3,812.85	3,786.94	25.91	147.152	
800.00	798.62	799.93	798.62	0.00	30.00	165.20	968.59	3,663.09	3,821.77	3,791.89	29.88	127.912	
900.00	898.20	899.51	898.20	0.00	33.98	165.24	968.59	3,663.09	3,830.68	3,796.83	33.85	113.182	
1,000.00	997.77	999.08	997.77	0.00	37.96	165.27	968.59	3,663.09	3,839.60	3,801.78	37.81	101.544	
1,100.00	1,097.35	1,098.66	1,097.35	0.00	41.95	165.31	968.59	3,663.09	3,848.51	3,806.73	41.78	92.115	
1,200.00	1,196.92	1,198.23	1,196.92	0.00	45.93	165.34	968.59	3,663.09	3,857.43	3,811.68	45.75	84.322	
1,300.00	1,296.49	1,297.80	1,296.49	0.00	49.91	165.38	968.59	3,663.09	3,866.35	3,816.64	49.71	77.773	
1,400.00	1,396.07	1,397.38	1,396.07	0.00	53.90	165.41	968.59	3,663.09	3,875.27	3,821.59	53.68	72.191	
1,500.00	1,495.64	1,496.95	1,495.64	0.00	57.88	165.45	968.59	3,663.09	3,884.20	3,826.55	57.65	67.378	
1,600.00	1,595.22	1,596.53	1,595.22	0.00	61.86	165.48	968.59	3,663.09	3,893.12	3,831.51	61.61	63.185	
1,700.00	1,694.79	1,696.10	1,694.79	0.00	65.84	165.51	968.59	3,663.09	3,902.05	3,836.46	65.58	59.499	
1,800.00	1,794.37	1,795.68	1,794.37	0.00	69.83	165.55	968.59	3,663.09	3,910.97	3,841.42	69.55	56.234	
1,900.00	1,893.94	1,895.25	1,893.94	0.00	73.81	165.58	968.59	3,663.09	3,919.90	3,846.38	73.52	53.321	
2,000.00	1,993.51	1,994.82	1,993.51	0.00	77.79	165.62	968.59	3,663.09	3,928.83	3,851.35	77.48	50.706	
2,100.00	2,093.09	2,094.40	2,093.09	0.00	81.78	165.65	968.59	3,663.09	3,937.76	3,856.31	81.45	48.346	
2,200.00	2,192.66	2,193.97	2,192.66	0.00	85.76	165.68	968.59	3,663.09	3,946.69	3,861.28	85.42	46.205	
2,300.00	2,292.24	2,293.55	2,292.24	0.00	89.74	165.72	968.59	3,663.09	3,955.63	3,866.24	89.38	44.255	
2,400.00	2,391.81	2,393.12	2,391.81	0.00	93.72	165.75	968.59	3,663.09	3,964.56	3,871.21	93.35	42.470	
2,500.00	2,491.39	2,492.70	2,491.39	0.00	97.71	165.78	968.59	3,663.09	3,973.50	3,876.18	97.32	40.830	
2,600.00	2,590.96	2,592.27	2,590.96	0.00	101.69	165.81	968.59	3,663.09	3,982.43	3,881.15	101.28	39.319	
2,700.00	2,690.53	2,691.84	2,690.53	0.00	105.67	165.85	968.59	3,663.09	3,991.37	3,886.12	105.25	37.922	
2,800.00	2,790.11	2,791.42	2,790.11	0.00	109.66	165.88	968.59	3,663.09	4,000.31	3,891.09	109.22	36.627	
2,900.00	2,889.68	2,890.99	2,889.68	0.00	113.64	165.91	968.59	3,663.09	4,009.25	3,896.07	113.18	35.422	
3,000.00	2,989.26	2,990.57	2,989.26	0.00	117.62	165.94	968.59	3,663.09	4,018.20	3,901.04	117.15	34.299	
3,100.00	3,088.83	3,090.14	3,088.83	0.00	121.61	165.97	968.59	3,663.09	4,027.14	3,906.02	121.12	33.250	
3,200.00	3,188.41	3,189.72	3,188.41	0.00	125.59	166.01	968.59	3,663.09	4,036.08	3,911.00	125.09	32.267	
3,300.00	3,287.98	3,289.29	3,287.98	0.00	129.57	166.04	968.59	3,663.09	4,045.03	3,915.98	129.05	31.344	
3,400.00	3,387.56	3,388.87	3,387.56	0.00	133.55	166.07	968.59	3,663.09	4,053.98	3,920.96	133.02	30.477	
3,500.00	3,487.13	3,488.44	3,487.13	0.00	137.54	166.10	968.59	3,663.09	4,062.93	3,925.94	136.99	29.659	
3,600.00	3,586.70	3,588.01	3,586.70	0.00	141.52	166.13	968.59	3,663.09	4,071.88	3,930.92	140.95	28.888	
3,700.00	3,686.28	3,687.59	3,686.28	0.00	145.50	166.16	968.59	3,663.09	4,080.83	3,935.91	144.92	28.159	
3,800.00	3,785.85	3,787.16	3,785.85	0.00	149.49	166.19	968.59	3,663.09	4,089.78	3,940.89	148.89	27.469	
3,900.00	3,885.43	3,886.74	3,885.43	0.00	153.47	166.22	968.59	3,663.09	4,098.73	3,945.88	152.85	26.815	
4,000.00	3,985.00	3,986.31	3,985.00	0.00	157.45	166.25	968.59	3,663.09	4,107.69	3,950.87	156.82	26.194	
4,100.00	4,084.58	4,085.89	4,084.58	0.00	161.44	166.28	968.59	3,663.09	4,116.64	3,955.85	160.79	25.603	
4,200.00	4,184.15	4,185.46	4,184.15	0.00	165.42	166.32	968.59	3,663.09	4,125.60	3,960.84	164.75	25.041	
4,300.00	4,283.72	4,285.03	4,283.72	0.00	169.40	166.35	968.59	3,663.09	4,134.56	3,965.84	168.72	24.505	
4,400.00	4,383.30	4,384.61	4,383.30	0.00	173.38	166.38	968.59	3,663.09	4,143.52	3,970.83	172.69	23.994	
4,500.00	4,482.87	4,484.18	4,482.87	0.00	177.37	166.41	968.59	3,663.09	4,152.48	3,975.82	176.65	23.506	
4,600.00	4,582.45	4,583.76	4,582.45	0.00	181.35	166.44	968.59	3,663.09	4,161.44	3,980.82	180.62	23.040	
4,700.00	4,682.02	4,683.33	4,682.02	0.00	185.33	166.46	968.59	3,663.09	4,170.40	3,985.81	184.59	22.593	
4,800.00	4,781.60	4,782.91	4,781.60	0.00	189.32	166.49	968.59	3,663.09	4,179.36	3,990.81	188.55	22.165	
4,900.00	4,881.17	4,882.48	4,881.17	0.00	193.30	166.52	968.59	3,663.09	4,188.33	3,995.81	192.52	21.755	
5,000.00	4,980.74	4,982.05	4,980.74	0.00	197.28	166.55	968.59	3,663.09	4,197.29	4,000.80	196.49	21.362	
5,100.00	5,080.32	5,081.63	5,080.32	0.00	201.27	166.58	968.59	3,663.09	4,206.26	4,005.80	200.45	20.984	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,181.20	5,179.89	0.00	205.25	166.61	968.59	3,663.09	4,215.23	4,010.81	204.42	20.620	
5,300.00	5,279.47	5,280.78	5,279.47	0.00	209.23	166.64	968.59	3,663.09	4,224.20	4,015.81	208.39	20.271	
5,400.00	5,379.04	5,380.35	5,379.04	0.00	213.21	166.67	968.59	3,663.09	4,233.17	4,020.81	212.36	19.934	
5,500.00	5,478.62	5,479.93	5,478.62	0.00	217.20	166.70	968.59	3,663.09	4,242.14	4,025.81	216.32	19.610	
5,600.00	5,578.19	5,579.50	5,578.19	0.00	221.18	166.73	968.59	3,663.09	4,251.11	4,030.82	220.29	19.298	
5,700.00	5,677.77	5,679.08	5,677.77	0.00	225.16	166.75	968.59	3,663.09	4,260.08	4,035.83	224.26	18.997	
5,800.00	5,777.34	5,778.65	5,777.34	0.00	229.15	166.78	968.59	3,663.09	4,269.06	4,040.83	228.22	18.706	
5,900.00	5,876.91	5,878.22	5,876.91	0.00	233.13	166.81	968.59	3,663.09	4,278.03	4,045.84	232.19	18.425	
6,000.00	5,976.49	5,977.80	5,976.49	0.00	237.11	166.84	968.59	3,663.09	4,287.01	4,050.85	236.16	18.153	
6,100.00	6,076.06	6,077.37	6,076.06	0.00	241.09	166.87	968.59	3,663.09	4,295.98	4,055.86	240.12	17.891	
6,200.00	6,175.64	6,176.95	6,175.64	0.00	245.08	166.90	968.59	3,663.09	4,304.96	4,060.87	244.09	17.637	
6,300.00	6,275.24	6,276.55	6,275.24	0.00	249.06	166.94	968.59	3,663.09	4,313.68	4,065.35	248.33	17.371	
6,400.00	6,375.13	6,376.44	6,375.13	0.00	253.06	-12.48	968.59	3,663.09	4,316.24	4,063.35	252.88	17.068	
6,500.00	6,474.53	6,475.84	6,474.53	0.00	257.03	-12.96	968.59	3,663.09	4,306.17	4,052.61	253.56	16.983	
6,600.00	6,571.72	6,573.03	6,571.72	0.00	260.92	-13.47	968.59	3,663.09	4,283.54	4,033.61	249.92	17.139	
6,700.00	6,665.06	6,666.37	6,665.06	0.00	264.65	-14.26	968.59	3,663.09	4,248.75	4,006.73	242.02	17.556	
6,800.00	6,752.94	6,754.25	6,752.94	0.00	268.17	-15.45	968.59	3,663.09	4,202.41	3,972.27	230.14	18.260	
6,900.00	6,833.85	6,835.16	6,833.85	0.00	271.41	-17.14	968.59	3,663.09	4,145.33	3,930.30	215.03	19.278	
7,000.00	6,906.42	6,907.73	6,906.42	0.00	274.31	-19.56	968.59	3,663.09	4,078.52	3,880.28	198.24	20.573	
7,100.00	6,969.40	6,970.71	6,969.40	0.00	276.83	-23.08	968.59	3,663.09	4,003.15	3,820.23	182.91	21.885	
7,200.00	7,021.72	7,023.03	7,021.72	0.00	278.92	-28.37	968.59	3,663.09	3,920.53	3,745.38	175.15	22.383	
7,300.00	7,062.47	7,063.78	7,062.47	0.00	280.55	-36.63	968.59	3,663.09	3,832.12	3,647.37	184.76	20.741	
7,400.00	7,090.97	7,092.28	7,090.97	0.00	281.69	-50.07	968.59	3,663.09	3,739.46	3,519.76	219.70	17.020	
7,500.00	7,106.72	7,108.03	7,106.72	0.00	282.32	-71.21	968.59	3,663.09	3,644.17	3,376.75	267.42	13.627	
7,600.00	7,110.14	7,111.45	7,110.14	0.00	282.46	-89.15	968.59	3,663.09	3,547.88	3,265.46	282.43	12.562	
7,700.00	7,110.55	7,111.86	7,110.55	0.00	282.47	-89.18	968.59	3,663.09	3,451.71	3,169.26	282.45	12.221	
7,800.00	7,110.97	7,112.28	7,110.97	0.00	282.49	-89.20	968.59	3,663.09	3,355.75	3,073.29	282.46	11.880	
7,900.00	7,111.38	7,112.69	7,111.38	0.00	282.51	-89.23	968.59	3,663.09	3,260.04	2,977.56	282.48	11.541	
8,000.00	7,111.79	7,113.10	7,111.79	0.00	282.52	-89.25	968.59	3,663.09	3,164.60	2,882.10	282.50	11.202	
8,100.00	7,112.21	7,113.52	7,112.21	0.00	282.54	-89.28	968.59	3,663.09	3,069.45	2,786.93	282.52	10.865	
8,200.00	7,112.62	7,113.93	7,112.62	0.00	282.56	-89.30	968.59	3,663.09	2,974.61	2,692.07	282.54	10.528	
8,300.00	7,113.03	7,114.34	7,113.03	0.00	282.57	-89.33	968.59	3,663.09	2,880.12	2,597.57	282.55	10.193	
8,400.00	7,113.45	7,114.76	7,113.45	0.00	282.59	-89.35	968.59	3,663.09	2,786.02	2,503.45	282.57	9.859	
8,500.00	7,113.86	7,115.17	7,113.86	0.00	282.61	-89.38	968.59	3,663.09	2,692.35	2,409.76	282.59	9.527	
8,600.00	7,114.28	7,115.59	7,114.28	0.00	282.62	-89.40	968.59	3,663.09	2,599.14	2,316.53	282.61	9.197	
8,700.00	7,114.69	7,116.00	7,114.69	0.00	282.64	-89.43	968.59	3,663.09	2,506.46	2,223.83	282.63	8.868	
8,800.00	7,115.10	7,116.41	7,115.10	0.00	282.66	-89.45	968.59	3,663.09	2,414.36	2,131.72	282.64	8.542	
8,900.00	7,115.52	7,116.83	7,115.52	0.00	282.67	-89.48	968.59	3,663.09	2,322.92	2,040.25	282.66	8.218	
9,000.00	7,115.93	7,117.24	7,115.93	0.00	282.69	-89.50	968.59	3,663.09	2,232.21	1,949.53	282.68	7.897	
9,100.00	7,116.35	7,117.66	7,116.35	0.00	282.71	-89.53	968.59	3,663.09	2,142.32	1,859.63	282.70	7.578	
9,200.00	7,116.76	7,118.07	7,116.76	0.00	282.72	-89.55	968.59	3,663.09	2,053.37	1,770.66	282.71	7.263	
9,300.00	7,117.17	7,118.48	7,117.17	0.00	282.74	-89.58	968.59	3,663.09	1,965.49	1,682.76	282.73	6.952	
9,400.00	7,117.59	7,118.90	7,117.59	0.00	282.76	-89.60	968.59	3,663.09	1,878.82	1,596.07	282.75	6.645	
9,500.00	7,118.00	7,119.31	7,118.00	0.00	282.77	-89.62	968.59	3,663.09	1,793.53	1,510.76	282.77	6.343	
9,600.00	7,118.41	7,119.72	7,118.41	0.00	282.79	-89.65	968.59	3,663.09	1,709.84	1,427.06	282.78	6.046	
9,700.00	7,118.83	7,120.14	7,118.83	0.00	282.81	-89.67	968.59	3,663.09	1,627.99	1,345.19	282.80	5.757	
9,800.00	7,119.24	7,120.55	7,119.24	0.00	282.82	-89.70	968.59	3,663.09	1,548.27	1,265.46	282.82	5.474	
9,900.00	7,119.66	7,120.97	7,119.66	0.00	282.84	-89.72	968.59	3,663.09	1,471.04	1,188.20	282.84	5.201	
10,000.00	7,120.07	7,121.38	7,120.07	0.00	282.86	-89.75	968.59	3,663.09	1,396.69	1,113.84	282.85	4.938	
10,100.00	7,120.48	7,121.79	7,120.48	0.00	282.87	-89.77	968.59	3,663.09	1,325.73	1,042.86	282.87	4.687	
10,200.00	7,120.90	7,122.21	7,120.90	0.00	282.89	-89.80	968.59	3,663.09	1,258.71	975.82	282.89	4.450	
10,300.00	7,121.31	7,122.62	7,121.31	0.00	282.90	-89.82	968.59	3,663.09	1,196.31	913.40	282.90	4.229	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,121.73	7,123.04	7,121.73	0.00	282.92	-89.85	968.59	3,663.09	1,139.27	856.35	282.92	4.027	
10,500.00	7,122.14	7,123.45	7,122.14	0.00	282.94	-89.87	968.59	3,663.09	1,088.46	805.52	282.94	3.847	
10,600.00	7,122.55	7,123.86	7,122.55	0.00	282.95	-89.90	968.59	3,663.09	1,044.77	761.81	282.95	3.692	
10,700.00	7,122.97	7,124.28	7,122.97	0.00	282.97	-89.92	968.59	3,663.09	1,009.13	726.16	282.97	3.566	
10,800.00	7,123.38	7,124.69	7,123.38	0.00	282.99	-89.95	968.59	3,663.09	982.41	699.43	282.99	3.472	
10,900.00	7,123.79	7,125.10	7,123.79	0.00	283.00	-89.97	968.59	3,663.09	965.37	682.36	283.00	3.411	
11,000.00	7,124.21	7,125.52	7,124.21	0.00	283.02	-90.00	968.59	3,663.09	958.50	675.48	283.02	3.387	
11,016.02	7,124.28	7,125.59	7,124.28	0.00	283.02	-90.00	968.59	3,663.09	958.37	675.35	283.02	3.386	CC, ES, SF
11,100.00	7,124.62	7,125.93	7,124.62	0.00	283.04	-90.02	968.59	3,663.09	962.04	679.00	283.04	3.399	
11,200.00	7,125.04	7,126.35	7,125.04	0.00	283.05	-90.05	968.59	3,663.09	975.87	692.81	283.05	3.448	
11,300.00	7,125.45	7,126.76	7,125.45	0.00	283.07	-90.07	968.59	3,663.09	999.56	716.49	283.07	3.531	
11,400.00	7,125.86	7,127.17	7,125.86	0.00	283.09	-90.10	968.59	3,663.09	1,032.43	749.34	283.09	3.647	
11,500.00	7,126.28	7,127.59	7,126.28	0.00	283.10	-90.12	968.59	3,663.09	1,073.64	790.54	283.10	3.792	
11,600.00	7,126.69	7,128.00	7,126.69	0.00	283.12	-90.14	968.59	3,663.09	1,122.27	839.15	283.12	3.964	
11,700.00	7,127.11	7,128.42	7,127.11	0.00	283.14	-90.17	968.59	3,663.09	1,177.41	894.27	283.14	4.158	
11,800.00	7,127.52	7,128.83	7,127.52	0.00	283.15	-90.19	968.59	3,663.09	1,238.18	955.03	283.15	4.373	
11,900.00	7,127.93	7,129.24	7,127.93	0.00	283.17	-90.22	968.59	3,663.09	1,303.79	1,020.63	283.17	4.604	
12,000.00	7,128.35	7,129.66	7,128.35	0.00	283.19	-90.24	968.59	3,663.09	1,373.56	1,090.38	283.18	4.850	
12,100.00	7,128.76	7,130.07	7,128.76	0.00	283.20	-90.27	968.59	3,663.09	1,446.88	1,163.68	283.20	5.109	
12,200.00	7,129.18	7,130.49	7,129.18	0.00	283.22	-90.29	968.59	3,663.09	1,523.24	1,240.02	283.22	5.378	
12,300.00	7,129.59	7,130.90	7,129.59	0.00	283.24	-90.32	968.59	3,663.09	1,602.20	1,318.97	283.23	5.657	
12,400.00	7,130.00	7,131.31	7,130.00	0.00	283.25	-90.34	968.59	3,663.09	1,683.40	1,400.15	283.25	5.943	
12,500.00	7,130.42	7,131.73	7,130.42	0.00	283.27	-90.37	968.59	3,663.09	1,766.53	1,483.27	283.26	6.236	
12,600.00	7,130.83	7,132.14	7,130.83	0.00	283.29	-90.39	968.59	3,663.09	1,851.33	1,568.05	283.28	6.535	
12,700.00	7,131.24	7,132.55	7,131.24	0.00	283.30	-90.42	968.59	3,663.09	1,937.58	1,654.28	283.29	6.839	
12,800.00	7,131.66	7,132.97	7,131.66	0.00	283.32	-90.44	968.59	3,663.09	2,025.09	1,741.78	283.31	7.148	
12,900.00	7,132.07	7,133.38	7,132.07	0.00	283.34	-90.47	968.59	3,663.09	2,113.71	1,830.39	283.33	7.460	
13,000.00	7,132.49	7,133.80	7,132.49	0.00	283.35	-90.49	968.59	3,663.09	2,203.31	1,919.97	283.34	7.776	
13,100.00	7,132.90	7,134.21	7,132.90	0.00	283.37	-90.52	968.59	3,663.09	2,293.77	2,010.41	283.36	8.095	
13,200.00	7,133.31	7,134.62	7,133.31	0.00	283.38	-90.54	968.59	3,663.09	2,384.99	2,101.61	283.37	8.416	
13,300.00	7,133.73	7,135.04	7,133.73	0.00	283.40	-90.57	968.59	3,663.09	2,476.88	2,193.49	283.39	8.740	
13,400.00	7,134.14	7,135.45	7,134.14	0.00	283.42	-90.59	968.59	3,663.09	2,569.38	2,285.98	283.40	9.066	
13,500.00	7,134.56	7,135.87	7,134.56	0.00	283.43	-90.61	968.59	3,663.09	2,662.43	2,379.01	283.42	9.394	
13,600.00	7,134.97	7,136.28	7,134.97	0.00	283.45	-90.64	968.59	3,663.09	2,755.96	2,472.52	283.43	9.723	
13,700.00	7,135.38	7,136.69	7,135.38	0.00	283.47	-90.66	968.59	3,663.09	2,849.93	2,566.48	283.45	10.054	
13,800.00	7,135.80	7,137.11	7,135.80	0.00	283.48	-90.69	968.59	3,663.09	2,944.30	2,660.83	283.46	10.387	
13,900.00	7,136.21	7,137.52	7,136.21	0.00	283.50	-90.71	968.59	3,663.09	3,039.02	2,755.54	283.48	10.720	
14,000.00	7,136.62	7,137.93	7,136.62	0.00	283.52	-90.74	968.59	3,663.09	3,134.08	2,850.58	283.49	11.055	
14,100.00	7,137.04	7,138.35	7,137.04	0.00	283.53	-90.76	968.59	3,663.09	3,229.43	2,945.92	283.51	11.391	
14,200.00	7,137.45	7,138.76	7,137.45	0.00	283.55	-90.79	968.59	3,663.09	3,325.06	3,041.54	283.52	11.728	
14,300.00	7,137.87	7,139.18	7,137.87	0.00	283.57	-90.81	968.59	3,663.09	3,420.94	3,137.40	283.54	12.065	
14,400.00	7,138.28	7,139.59	7,138.28	0.00	283.58	-90.84	968.59	3,663.09	3,517.04	3,233.49	283.55	12.403	
14,500.00	7,138.69	7,140.00	7,138.69	0.00	283.60	-90.86	968.59	3,663.09	3,613.36	3,329.79	283.57	12.742	
14,600.00	7,139.11	7,140.42	7,139.11	0.00	283.62	-90.89	968.59	3,663.09	3,709.87	3,426.29	283.58	13.082	
14,700.00	7,139.52	7,140.83	7,139.52	0.00	283.63	-90.91	968.59	3,663.09	3,806.57	3,522.97	283.60	13.422	
14,800.00	7,139.94	7,141.25	7,139.94	0.00	283.65	-90.94	968.59	3,663.09	3,903.42	3,619.81	283.61	13.763	
14,900.00	7,140.35	7,141.66	7,140.35	0.00	283.67	-90.96	968.59	3,663.09	4,000.44	3,716.81	283.63	14.105	
15,000.00	7,140.76	7,142.07	7,140.76	0.00	283.68	-90.99	968.59	3,663.09	4,097.60	3,813.95	283.64	14.446	
15,100.00	7,141.18	7,142.49	7,141.18	0.00	283.70	-91.01	968.59	3,663.09	4,194.89	3,911.23	283.66	14.789	
15,200.00	7,141.59	7,142.90	7,141.59	0.00	283.72	-91.04	968.59	3,663.09	4,292.30	4,008.63	283.67	15.131	
15,300.00	7,142.00	7,143.31	7,142.00	0.00	283.73	-91.06	968.59	3,663.09	4,389.83	4,106.15	283.68	15.474	
15,400.00	7,142.42	7,143.73	7,142.42	0.00	283.75	-91.08	968.59	3,663.09	4,487.47	4,203.77	283.70	15.818	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,144.14	7,142.83	0.00	283.77	-91.11	968.59	3,663.09	4,585.21	4,301.50	283.71	16.161	
15,600.00	7,143.25	7,144.56	7,143.25	0.00	283.78	-91.13	968.59	3,663.09	4,683.05	4,399.33	283.73	16.505	
15,700.00	7,143.66	7,144.97	7,143.66	0.00	283.80	-91.16	968.59	3,663.09	4,780.98	4,497.24	283.74	16.850	
15,800.00	7,144.07	7,145.38	7,144.07	0.00	283.82	-91.18	968.59	3,663.09	4,878.99	4,595.23	283.76	17.194	
15,900.00	7,144.49	7,145.80	7,144.49	0.00	283.83	-91.21	968.59	3,663.09	4,977.08	4,693.31	283.77	17.539	
16,000.00	7,144.90	7,146.21	7,144.90	0.00	283.85	-91.23	968.59	3,663.09	5,075.24	4,791.46	283.78	17.884	
16,100.00	7,145.32	7,146.63	7,145.32	0.00	283.87	-91.26	968.59	3,663.09	5,173.48	4,889.68	283.80	18.230	
16,200.00	7,145.73	7,147.04	7,145.73	0.00	283.88	-91.28	968.59	3,663.09	5,271.78	4,987.97	283.81	18.575	
16,300.00	7,146.14	7,147.45	7,146.14	0.00	283.90	-91.31	968.59	3,663.09	5,370.14	5,086.32	283.82	18.921	
16,400.00	7,146.56	7,147.87	7,146.56	0.00	283.91	-91.33	968.59	3,663.09	5,468.57	5,184.73	283.84	19.266	
16,500.00	7,146.97	7,148.28	7,146.97	0.00	283.93	-91.36	968.59	3,663.09	5,567.04	5,283.19	283.85	19.612	
16,600.00	7,147.38	7,148.69	7,147.38	0.00	283.95	-91.38	968.59	3,663.09	5,665.58	5,381.71	283.87	19.959	
16,700.00	7,147.80	7,149.11	7,147.80	0.00	283.96	-91.41	968.59	3,663.09	5,764.16	5,480.28	283.88	20.305	
16,800.00	7,148.21	7,149.52	7,148.21	0.00	283.98	-91.43	968.59	3,663.09	5,862.79	5,578.90	283.89	20.651	
16,900.00	7,148.63	7,149.94	7,148.63	0.00	284.00	-91.46	968.59	3,663.09	5,961.47	5,677.56	283.91	20.998	
17,000.00	7,149.04	7,150.35	7,149.04	0.00	284.01	-91.48	968.59	3,663.09	6,060.19	5,776.27	283.92	21.345	
17,100.00	7,149.45	7,150.76	7,149.45	0.00	284.03	-91.50	968.59	3,663.09	6,158.95	5,875.02	283.93	21.692	
17,200.00	7,149.87	7,151.18	7,149.87	0.00	284.05	-91.53	968.59	3,663.09	6,257.75	5,973.80	283.95	22.039	
17,232.03	7,150.00	7,151.31	7,150.00	0.00	284.05	-91.54	968.59	3,663.09	6,289.41	6,005.46	283.95	22.150	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	42.16	0.00	0.00	127.38	-2,263.00	2,962.28	3,728.01				
100.00	100.00	57.84	100.00	0.00	1.16	127.38	-2,263.00	2,962.28	3,727.77	3,726.61	1.16	3,221.693	
200.00	200.00	157.84	200.00	0.00	4.31	127.38	-2,263.00	2,962.28	3,727.77	3,723.46	4.31	864.150	
300.00	300.00	257.84	300.00	0.00	8.31	127.38	-2,263.00	2,962.28	3,727.77	3,719.46	8.31	448.383	
400.00	399.98	357.82	399.98	0.00	12.31	-142.68	-2,263.00	2,962.28	3,729.16	3,716.85	12.31	302.981	
500.00	499.84	457.68	499.84	0.00	16.31	-142.68	-2,263.00	2,962.28	3,733.32	3,717.04	16.28	229.289	
600.00	599.47	557.31	599.47	0.00	20.29	-142.70	-2,263.00	2,962.28	3,740.09	3,719.85	20.24	184.804	
700.00	699.05	656.89	699.05	0.00	24.28	-142.79	-2,263.00	2,962.28	3,747.44	3,723.22	24.21	154.787	
800.00	798.62	756.46	798.62	0.00	28.26	-142.87	-2,263.00	2,962.28	3,754.79	3,726.61	28.18	133.232	
900.00	898.20	856.04	898.20	0.00	32.24	-142.96	-2,263.00	2,962.28	3,762.16	3,730.00	32.15	117.003	
1,000.00	997.77	955.61	997.77	0.00	36.22	-143.04	-2,263.00	2,962.28	3,769.53	3,733.40	36.13	104.343	
1,100.00	1,097.35	1,055.19	1,097.35	0.00	40.21	-143.13	-2,263.00	2,962.28	3,776.91	3,736.81	40.10	94.192	
1,200.00	1,196.92	1,154.76	1,196.92	0.00	44.19	-143.21	-2,263.00	2,962.28	3,784.30	3,740.23	44.07	85.870	
1,300.00	1,296.49	1,254.33	1,296.49	0.00	48.17	-143.29	-2,263.00	2,962.28	3,791.69	3,743.65	48.04	78.925	
1,400.00	1,396.07	1,353.91	1,396.07	0.00	52.16	-143.38	-2,263.00	2,962.28	3,799.10	3,747.08	52.01	73.040	
1,500.00	1,495.64	1,453.48	1,495.64	0.00	56.14	-143.46	-2,263.00	2,962.28	3,806.51	3,750.52	55.99	67.991	
1,600.00	1,595.22	1,553.06	1,595.22	0.00	60.12	-143.54	-2,263.00	2,962.28	3,813.93	3,753.97	59.96	63.611	
1,700.00	1,694.79	1,652.63	1,694.79	0.00	64.11	-143.62	-2,263.00	2,962.28	3,821.36	3,757.43	63.93	59.775	
1,800.00	1,794.37	1,752.21	1,794.37	0.00	68.09	-143.71	-2,263.00	2,962.28	3,828.79	3,760.89	67.90	56.388	
1,900.00	1,893.94	1,851.78	1,893.94	0.00	72.07	-143.79	-2,263.00	2,962.28	3,836.24	3,764.36	71.87	53.376	
2,000.00	1,993.51	1,951.35	1,993.51	0.00	76.05	-143.87	-2,263.00	2,962.28	3,843.69	3,767.84	75.84	50.679	
2,100.00	2,093.09	2,050.93	2,093.09	0.00	80.04	-143.95	-2,263.00	2,962.28	3,851.15	3,771.33	79.81	48.251	
2,200.00	2,192.66	2,150.50	2,192.66	0.00	84.02	-144.03	-2,263.00	2,962.28	3,858.61	3,774.83	83.79	46.053	
2,300.00	2,292.24	2,250.08	2,292.24	0.00	88.00	-144.11	-2,263.00	2,962.28	3,866.09	3,778.33	87.76	44.054	
2,400.00	2,391.81	2,349.65	2,391.81	0.00	91.99	-144.19	-2,263.00	2,962.28	3,873.57	3,781.84	91.73	42.228	
2,500.00	2,491.39	2,449.23	2,491.39	0.00	95.97	-144.27	-2,263.00	2,962.28	3,881.06	3,785.36	95.70	40.554	
2,600.00	2,590.96	2,548.80	2,590.96	0.00	99.95	-144.35	-2,263.00	2,962.28	3,888.55	3,788.88	99.67	39.014	
2,700.00	2,690.53	2,648.37	2,690.53	0.00	103.93	-144.43	-2,263.00	2,962.28	3,896.06	3,792.41	103.64	37.591	
2,800.00	2,790.11	2,747.95	2,790.11	0.00	107.92	-144.50	-2,263.00	2,962.28	3,903.57	3,795.95	107.61	36.274	
2,900.00	2,889.68	2,847.52	2,889.68	0.00	111.90	-144.58	-2,263.00	2,962.28	3,911.09	3,799.50	111.59	35.050	
3,000.00	2,989.26	2,947.10	2,989.26	0.00	115.88	-144.66	-2,263.00	2,962.28	3,918.61	3,803.06	115.56	33.911	
3,100.00	3,088.83	3,046.67	3,088.83	0.00	119.87	-144.74	-2,263.00	2,962.28	3,926.15	3,806.62	119.53	32.847	
3,200.00	3,188.41	3,146.25	3,188.41	0.00	123.85	-144.82	-2,263.00	2,962.28	3,933.69	3,810.19	123.50	31.852	
3,300.00	3,287.98	3,245.82	3,287.98	0.00	127.83	-144.89	-2,263.00	2,962.28	3,941.23	3,813.76	127.47	30.919	
3,400.00	3,387.56	3,345.40	3,387.56	0.00	131.82	-144.97	-2,263.00	2,962.28	3,948.79	3,817.35	131.44	30.042	
3,500.00	3,487.13	3,444.97	3,487.13	0.00	135.80	-145.05	-2,263.00	2,962.28	3,956.35	3,820.94	135.41	29.217	
3,600.00	3,586.70	3,544.54	3,586.70	0.00	139.78	-145.12	-2,263.00	2,962.28	3,963.92	3,824.53	139.38	28.439	
3,700.00	3,686.28	3,644.12	3,686.28	0.00	143.76	-145.20	-2,263.00	2,962.28	3,971.49	3,828.14	143.35	27.704	
3,800.00	3,785.85	3,743.69	3,785.85	0.00	147.75	-145.27	-2,263.00	2,962.28	3,979.07	3,831.75	147.32	27.009	
3,900.00	3,885.43	3,843.27	3,885.43	0.00	151.73	-145.35	-2,263.00	2,962.28	3,986.66	3,835.37	151.29	26.350	
4,000.00	3,985.00	3,942.84	3,985.00	0.00	155.71	-145.42	-2,263.00	2,962.28	3,994.26	3,838.99	155.26	25.725	
4,100.00	4,084.58	4,042.42	4,084.58	0.00	159.70	-145.50	-2,263.00	2,962.28	4,001.86	3,842.63	159.24	25.132	
4,200.00	4,184.15	4,141.99	4,184.15	0.00	163.68	-145.57	-2,263.00	2,962.28	4,009.47	3,846.26	163.21	24.567	
4,300.00	4,283.72	4,241.56	4,283.72	0.00	167.66	-145.65	-2,263.00	2,962.28	4,017.09	3,849.91	167.18	24.029	
4,400.00	4,383.30	4,341.14	4,383.30	0.00	171.65	-145.72	-2,263.00	2,962.28	4,024.71	3,853.56	171.15	23.516	
4,500.00	4,482.87	4,440.71	4,482.87	0.00	175.63	-145.80	-2,263.00	2,962.28	4,032.34	3,857.22	175.12	23.026	
4,600.00	4,582.45	4,540.29	4,582.45	0.00	179.61	-145.87	-2,263.00	2,962.28	4,039.98	3,860.89	179.09	22.559	
4,700.00	4,682.02	4,639.86	4,682.02	0.00	183.59	-145.94	-2,263.00	2,962.28	4,047.62	3,864.56	183.06	22.111	
4,800.00	4,781.60	4,739.44	4,781.60	0.00	187.58	-146.02	-2,263.00	2,962.28	4,055.27	3,868.24	187.03	21.683	
4,900.00	4,881.17	4,839.01	4,881.17	0.00	191.56	-146.09	-2,263.00	2,962.28	4,062.92	3,871.92	191.00	21.272	
5,000.00	4,980.74	4,938.58	4,980.74	0.00	195.54	-146.16	-2,263.00	2,962.28	4,070.59	3,875.62	194.97	20.878	
5,100.00	5,080.32	5,038.16	5,080.32	0.00	199.53	-146.23	-2,263.00	2,962.28	4,078.25	3,879.31	198.94	20.500	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,137.73	5,179.89	0.00	203.51	-146.30	-2,263.00	2,962.28	4,085.93	3,883.02	202.91	20.137	
5,300.00	5,279.47	5,237.31	5,279.47	0.00	207.49	-146.38	-2,263.00	2,962.28	4,093.61	3,886.73	206.88	19.787	
5,400.00	5,379.04	5,336.88	5,379.04	0.00	211.48	-146.45	-2,263.00	2,962.28	4,101.30	3,890.45	210.85	19.451	
5,500.00	5,478.62	5,436.46	5,478.62	0.00	215.46	-146.52	-2,263.00	2,962.28	4,108.99	3,894.17	214.82	19.128	
5,600.00	5,578.19	5,536.03	5,578.19	0.00	219.44	-146.59	-2,263.00	2,962.28	4,116.69	3,897.90	218.79	18.816	
5,700.00	5,677.77	5,635.61	5,677.77	0.00	223.42	-146.66	-2,263.00	2,962.28	4,124.40	3,901.64	222.76	18.515	
5,800.00	5,777.34	5,735.18	5,777.34	0.00	227.41	-146.73	-2,263.00	2,962.28	4,132.11	3,905.38	226.73	18.225	
5,900.00	5,876.91	5,834.75	5,876.91	0.00	231.39	-146.80	-2,263.00	2,962.28	4,139.83	3,909.13	230.70	17.945	
6,000.00	5,976.49	5,934.33	5,976.49	0.00	235.37	-146.87	-2,263.00	2,962.28	4,147.56	3,912.89	234.67	17.674	
6,100.00	6,076.06	6,033.90	6,076.06	0.00	239.36	-146.94	-2,263.00	2,962.28	4,155.29	3,916.65	238.64	17.412	
6,200.00	6,175.64	6,133.48	6,175.64	0.00	243.34	-147.01	-2,263.00	2,962.28	4,163.02	3,920.41	242.61	17.159	
6,300.00	6,275.24	6,233.08	6,275.24	0.00	247.32	-147.10	-2,263.00	2,962.28	4,170.54	3,923.76	246.79	16.899	
6,400.00	6,375.13	6,332.97	6,375.13	0.00	251.32	33.36	-2,263.00	2,962.28	4,172.76	3,921.57	251.19	16.612	
6,500.00	6,474.53	6,432.37	6,474.53	0.00	255.29	33.51	-2,263.00	2,962.28	4,164.12	3,911.34	252.77	16.474	
6,600.00	6,571.72	6,529.56	6,571.72	0.00	259.18	34.49	-2,263.00	2,962.28	4,144.69	3,893.31	251.38	16.488	
6,700.00	6,665.06	6,622.90	6,665.06	0.00	262.92	36.11	-2,263.00	2,962.28	4,114.89	3,867.39	247.50	16.626	
6,800.00	6,752.94	6,710.78	6,752.94	0.00	266.43	38.44	-2,263.00	2,962.28	4,075.32	3,833.18	242.15	16.830	
6,900.00	6,833.85	6,791.69	6,833.85	0.00	269.67	41.61	-2,263.00	2,962.28	4,026.78	3,789.82	236.96	16.994	
7,000.00	6,906.42	6,864.26	6,906.42	0.00	272.57	45.76	-2,263.00	2,962.28	3,970.25	3,736.08	234.18	16.954	
7,100.00	6,969.40	6,927.24	6,969.40	0.00	275.09	51.04	-2,263.00	2,962.28	3,906.89	3,670.76	236.12	16.546	
7,200.00	7,021.72	6,979.56	7,021.72	0.00	277.18	57.57	-2,263.00	2,962.28	3,837.94	3,593.92	244.02	15.728	
7,300.00	7,062.47	7,020.31	7,062.47	0.00	278.81	65.35	-2,263.00	2,962.28	3,764.79	3,508.19	256.61	14.672	
7,400.00	7,090.97	7,048.81	7,090.97	0.00	279.95	74.15	-2,263.00	2,962.28	3,688.87	3,419.03	269.85	13.670	
7,500.00	7,106.72	7,064.56	7,106.72	0.00	280.58	83.46	-2,263.00	2,962.28	3,611.64	3,332.86	278.77	12.955	
7,600.00	7,110.14	7,067.98	7,110.14	0.00	280.72	89.72	-2,263.00	2,962.28	3,534.53	3,253.82	280.72	12.591	
7,700.00	7,110.55	7,068.39	7,110.55	0.00	280.74	89.73	-2,263.00	2,962.28	3,458.52	3,177.78	280.73	12.320	
7,800.00	7,110.97	7,068.81	7,110.97	0.00	280.75	89.74	-2,263.00	2,962.28	3,383.75	3,103.00	280.75	12.053	
7,900.00	7,111.38	7,069.22	7,111.38	0.00	280.77	89.75	-2,263.00	2,962.28	3,310.32	3,029.55	280.77	11.790	
8,000.00	7,111.79	7,069.63	7,111.79	0.00	280.79	89.76	-2,263.00	2,962.28	3,238.31	2,957.52	280.78	11.533	
8,100.00	7,112.21	7,070.05	7,112.21	0.00	280.80	89.77	-2,263.00	2,962.28	3,167.82	2,887.02	280.80	11.281	
8,200.00	7,112.62	7,070.46	7,112.62	0.00	280.82	89.78	-2,263.00	2,962.28	3,098.95	2,818.13	280.82	11.035	
8,300.00	7,113.03	7,070.87	7,113.03	0.00	280.83	89.79	-2,263.00	2,962.28	3,031.82	2,750.98	280.83	10.796	
8,400.00	7,113.45	7,071.29	7,113.45	0.00	280.85	89.80	-2,263.00	2,962.28	2,966.54	2,685.69	280.85	10.563	
8,500.00	7,113.86	7,071.70	7,113.86	0.00	280.87	89.81	-2,263.00	2,962.28	2,903.23	2,622.37	280.87	10.337	
8,600.00	7,114.28	7,072.12	7,114.28	0.00	280.88	89.82	-2,263.00	2,962.28	2,842.04	2,561.15	280.88	10.118	
8,700.00	7,114.69	7,072.53	7,114.69	0.00	280.90	89.83	-2,263.00	2,962.28	2,783.09	2,502.19	280.90	9.908	
8,800.00	7,115.10	7,072.94	7,115.10	0.00	280.92	89.84	-2,263.00	2,962.28	2,726.54	2,445.63	280.92	9.706	
8,900.00	7,115.52	7,073.36	7,115.52	0.00	280.93	89.85	-2,263.00	2,962.28	2,672.54	2,391.60	280.93	9.513	
9,000.00	7,115.93	7,073.77	7,115.93	0.00	280.95	89.86	-2,263.00	2,962.28	2,621.24	2,340.29	280.95	9.330	
9,100.00	7,116.35	7,074.19	7,116.35	0.00	280.97	89.87	-2,263.00	2,962.28	2,572.80	2,291.83	280.97	9.157	
9,200.00	7,116.76	7,074.60	7,116.76	0.00	280.98	89.88	-2,263.00	2,962.28	2,527.40	2,246.41	280.98	8.995	
9,300.00	7,117.17	7,075.01	7,117.17	0.00	281.00	89.89	-2,263.00	2,962.28	2,485.19	2,204.19	281.00	8.844	
9,400.00	7,117.59	7,075.43	7,117.59	0.00	281.02	89.91	-2,263.00	2,962.28	2,446.34	2,165.32	281.02	8.705	
9,500.00	7,118.00	7,075.84	7,118.00	0.00	281.03	89.92	-2,263.00	2,962.28	2,411.02	2,129.98	281.03	8.579	
9,600.00	7,118.41	7,076.25	7,118.41	0.00	281.05	89.93	-2,263.00	2,962.28	2,379.37	2,098.32	281.05	8.466	
9,700.00	7,118.83	7,076.67	7,118.83	0.00	281.07	89.94	-2,263.00	2,962.28	2,351.56	2,070.49	281.07	8.367	
9,800.00	7,119.24	7,077.08	7,119.24	0.00	281.08	89.95	-2,263.00	2,962.28	2,327.72	2,046.63	281.08	8.281	
9,900.00	7,119.66	7,077.50	7,119.66	0.00	281.10	89.96	-2,263.00	2,962.28	2,307.96	2,026.86	281.10	8.210	
10,000.00	7,120.07	7,077.91	7,120.07	0.00	281.12	89.97	-2,263.00	2,962.28	2,292.40	2,011.28	281.12	8.155	
10,100.00	7,120.48	7,078.32	7,120.48	0.00	281.13	89.98	-2,263.00	2,962.28	2,281.12	1,999.99	281.13	8.114	
10,200.00	7,120.90	7,078.74	7,120.90	0.00	281.15	89.99	-2,263.00	2,962.28	2,274.19	1,993.04	281.15	8.089	
10,300.00	7,121.31	7,079.15	7,121.31	0.00	281.17	90.00	-2,263.00	2,962.28	2,271.64	1,990.48	281.17	8.079	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,307.90	7,121.34	7,079.18	7,121.34	0.00	281.17	90.00	-2,263.00	2,962.28	2,271.63	1,990.46	281.17	8.079	CC, ES, SF
10,400.00	7,121.73	7,079.57	7,121.73	0.00	281.18	90.01	-2,263.00	2,962.28	2,273.49	1,992.31	281.18	8.085	
10,500.00	7,122.14	7,079.98	7,122.14	0.00	281.20	90.02	-2,263.00	2,962.28	2,279.74	1,998.54	281.20	8.107	
10,600.00	7,122.55	7,080.39	7,122.55	0.00	281.22	90.03	-2,263.00	2,962.28	2,290.33	2,009.11	281.22	8.144	
10,700.00	7,122.97	7,080.81	7,122.97	0.00	281.23	90.04	-2,263.00	2,962.28	2,305.22	2,023.99	281.23	8.197	
10,800.00	7,123.38	7,081.22	7,123.38	0.00	281.25	90.05	-2,263.00	2,962.28	2,324.32	2,043.07	281.25	8.264	
10,900.00	7,123.79	7,081.63	7,123.79	0.00	281.27	90.06	-2,263.00	2,962.28	2,347.52	2,066.26	281.27	8.346	
11,000.00	7,124.21	7,082.05	7,124.21	0.00	281.28	90.07	-2,263.00	2,962.28	2,374.72	2,093.44	281.28	8.442	
11,100.00	7,124.62	7,082.46	7,124.62	0.00	281.30	90.08	-2,263.00	2,962.28	2,405.76	2,124.47	281.30	8.552	
11,200.00	7,125.04	7,082.88	7,125.04	0.00	281.32	90.09	-2,263.00	2,962.28	2,440.52	2,159.20	281.31	8.675	
11,300.00	7,125.45	7,083.29	7,125.45	0.00	281.33	90.10	-2,263.00	2,962.28	2,478.82	2,197.49	281.33	8.811	
11,400.00	7,125.86	7,083.70	7,125.86	0.00	281.35	90.11	-2,263.00	2,962.28	2,520.51	2,239.16	281.35	8.959	
11,500.00	7,126.28	7,084.12	7,126.28	0.00	281.36	90.12	-2,263.00	2,962.28	2,565.42	2,284.05	281.36	9.118	
11,600.00	7,126.69	7,084.53	7,126.69	0.00	281.38	90.13	-2,263.00	2,962.28	2,613.38	2,332.00	281.38	9.288	
11,700.00	7,127.11	7,084.95	7,127.11	0.00	281.40	90.15	-2,263.00	2,962.28	2,664.24	2,382.85	281.40	9.468	
11,800.00	7,127.52	7,085.36	7,127.52	0.00	281.41	90.16	-2,263.00	2,962.28	2,717.83	2,436.42	281.41	9.658	
11,900.00	7,127.93	7,085.77	7,127.93	0.00	281.43	90.17	-2,263.00	2,962.28	2,773.99	2,492.56	281.43	9.857	
12,000.00	7,128.35	7,086.19	7,128.35	0.00	281.45	90.18	-2,263.00	2,962.28	2,832.57	2,551.12	281.45	10.064	
12,100.00	7,128.76	7,086.60	7,128.76	0.00	281.46	90.19	-2,263.00	2,962.28	2,893.41	2,611.95	281.46	10.280	
12,200.00	7,129.18	7,087.02	7,129.18	0.00	281.48	90.20	-2,263.00	2,962.28	2,956.39	2,674.91	281.48	10.503	
12,300.00	7,129.59	7,087.43	7,129.59	0.00	281.50	90.21	-2,263.00	2,962.28	3,021.37	2,739.87	281.50	10.733	
12,400.00	7,130.00	7,087.84	7,130.00	0.00	281.51	90.22	-2,263.00	2,962.28	3,088.22	2,806.71	281.51	10.970	
12,500.00	7,130.42	7,088.26	7,130.42	0.00	281.53	90.23	-2,263.00	2,962.28	3,156.82	2,875.29	281.53	11.213	
12,600.00	7,130.83	7,088.67	7,130.83	0.00	281.55	90.24	-2,263.00	2,962.28	3,227.06	2,945.51	281.54	11.462	
12,700.00	7,131.24	7,089.08	7,131.24	0.00	281.56	90.25	-2,263.00	2,962.28	3,298.84	3,017.28	281.56	11.716	
12,800.00	7,131.66	7,089.50	7,131.66	0.00	281.58	90.26	-2,263.00	2,962.28	3,372.05	3,090.47	281.58	11.976	
12,900.00	7,132.07	7,089.91	7,132.07	0.00	281.60	90.27	-2,263.00	2,962.28	3,446.61	3,165.02	281.59	12.240	
13,000.00	7,132.49	7,090.33	7,132.49	0.00	281.61	90.28	-2,263.00	2,962.28	3,522.44	3,240.83	281.61	12.508	
13,100.00	7,132.90	7,090.74	7,132.90	0.00	281.63	90.29	-2,263.00	2,962.28	3,599.44	3,317.81	281.63	12.781	
13,200.00	7,133.31	7,091.15	7,133.31	0.00	281.65	90.30	-2,263.00	2,962.28	3,677.55	3,395.91	281.64	13.058	
13,300.00	7,133.73	7,091.57	7,133.73	0.00	281.66	90.31	-2,263.00	2,962.28	3,756.70	3,475.04	281.66	13.338	
13,400.00	7,134.14	7,091.98	7,134.14	0.00	281.68	90.32	-2,263.00	2,962.28	3,836.82	3,555.15	281.67	13.621	
13,500.00	7,134.56	7,092.40	7,134.56	0.00	281.70	90.33	-2,263.00	2,962.28	3,917.86	3,636.17	281.69	13.908	
13,600.00	7,134.97	7,092.81	7,134.97	0.00	281.71	90.34	-2,263.00	2,962.28	3,999.75	3,718.04	281.71	14.198	
13,700.00	7,135.38	7,093.22	7,135.38	0.00	281.73	90.35	-2,263.00	2,962.28	4,082.45	3,800.73	281.72	14.491	
13,800.00	7,135.80	7,093.64	7,135.80	0.00	281.75	90.36	-2,263.00	2,962.28	4,165.91	3,884.17	281.74	14.786	
13,900.00	7,136.21	7,094.05	7,136.21	0.00	281.76	90.37	-2,263.00	2,962.28	4,250.09	3,968.33	281.76	15.084	
14,000.00	7,136.62	7,094.46	7,136.62	0.00	281.78	90.39	-2,263.00	2,962.28	4,334.93	4,053.16	281.77	15.385	
14,100.00	7,137.04	7,094.88	7,137.04	0.00	281.80	90.40	-2,263.00	2,962.28	4,420.41	4,138.62	281.79	15.687	
14,200.00	7,137.45	7,095.29	7,137.45	0.00	281.81	90.41	-2,263.00	2,962.28	4,506.49	4,224.68	281.80	15.992	
14,300.00	7,137.87	7,095.71	7,137.87	0.00	281.83	90.42	-2,263.00	2,962.28	4,593.13	4,311.31	281.82	16.298	
14,400.00	7,138.28	7,096.12	7,138.28	0.00	281.84	90.43	-2,263.00	2,962.28	4,680.31	4,398.47	281.84	16.606	
14,500.00	7,138.69	7,096.53	7,138.69	0.00	281.86	90.44	-2,263.00	2,962.28	4,767.98	4,486.13	281.85	16.917	
14,600.00	7,139.11	7,096.95	7,139.11	0.00	281.88	90.45	-2,263.00	2,962.28	4,856.14	4,574.27	281.87	17.228	
14,700.00	7,139.52	7,097.36	7,139.52	0.00	281.89	90.46	-2,263.00	2,962.28	4,944.74	4,662.86	281.89	17.542	
14,800.00	7,139.94	7,097.78	7,139.94	0.00	281.91	90.47	-2,263.00	2,962.28	5,033.77	4,751.87	281.90	17.856	
14,900.00	7,140.35	7,098.19	7,140.35	0.00	281.93	90.48	-2,263.00	2,962.28	5,123.21	4,841.29	281.92	18.173	
15,000.00	7,140.76	7,098.60	7,140.76	0.00	281.94	90.49	-2,263.00	2,962.28	5,213.03	4,931.10	281.93	18.490	
15,100.00	7,141.18	7,099.02	7,141.18	0.00	281.96	90.50	-2,263.00	2,962.28	5,303.21	5,021.26	281.95	18.809	
15,200.00	7,141.59	7,099.43	7,141.59	0.00	281.98	90.51	-2,263.00	2,962.28	5,393.75	5,111.78	281.97	19.129	
15,300.00	7,142.00	7,099.84	7,142.00	0.00	281.99	90.52	-2,263.00	2,962.28	5,484.61	5,202.62	281.98	19.450	
15,400.00	7,142.42	7,100.26	7,142.42	0.00	282.01	90.53	-2,263.00	2,962.28	5,575.78	5,293.78	282.00	19.772	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	7,100.67	7,142.83	0.00	282.03	90.54	-2,263.00	2,962.28	5,667.25	5,385.23	282.01	20.096	
15,600.00	7,143.25	7,101.09	7,143.25	0.00	282.04	90.55	-2,263.00	2,962.28	5,759.00	5,476.97	282.03	20.420	
15,700.00	7,143.66	7,101.50	7,143.66	0.00	282.06	90.56	-2,263.00	2,962.28	5,851.03	5,568.98	282.05	20.745	
15,800.00	7,144.07	7,101.91	7,144.07	0.00	282.08	90.57	-2,263.00	2,962.28	5,943.31	5,661.24	282.06	21.071	
15,900.00	7,144.49	7,102.33	7,144.49	0.00	282.09	90.58	-2,263.00	2,962.28	6,035.83	5,753.76	282.08	21.398	
16,000.00	7,144.90	7,102.74	7,144.90	0.00	282.11	90.59	-2,263.00	2,962.28	6,128.60	5,846.50	282.09	21.725	
16,100.00	7,145.32	7,103.16	7,145.32	0.00	282.13	90.60	-2,263.00	2,962.28	6,221.58	5,939.47	282.11	22.054	
16,200.00	7,145.73	7,103.57	7,145.73	0.00	282.14	90.62	-2,263.00	2,962.28	6,314.78	6,032.66	282.13	22.383	
16,300.00	7,146.14	7,103.98	7,146.14	0.00	282.16	90.63	-2,263.00	2,962.28	6,408.19	6,126.05	282.14	22.713	
16,400.00	7,146.56	7,104.40	7,146.56	0.00	282.18	90.64	-2,263.00	2,962.28	6,501.79	6,219.63	282.16	23.043	
16,500.00	7,146.97	7,104.81	7,146.97	0.00	282.19	90.65	-2,263.00	2,962.28	6,595.58	6,313.41	282.17	23.374	
16,600.00	7,147.38	7,105.22	7,147.38	0.00	282.21	90.66	-2,263.00	2,962.28	6,689.55	6,407.36	282.19	23.706	
16,700.00	7,147.80	7,105.64	7,147.80	0.00	282.23	90.67	-2,263.00	2,962.28	6,783.69	6,501.49	282.21	24.038	
16,800.00	7,148.21	7,106.05	7,148.21	0.00	282.24	90.68	-2,263.00	2,962.28	6,878.00	6,595.78	282.22	24.371	
16,900.00	7,148.63	7,106.47	7,148.63	0.00	282.26	90.69	-2,263.00	2,962.28	6,972.47	6,690.23	282.24	24.704	
17,000.00	7,149.04	7,106.88	7,149.04	0.00	282.28	90.70	-2,263.00	2,962.28	7,067.08	6,784.83	282.25	25.038	
17,100.00	7,149.45	7,107.29	7,149.45	0.00	282.29	90.71	-2,263.00	2,962.28	7,161.85	6,879.58	282.27	25.372	
17,200.00	7,149.87	7,107.71	7,149.87	0.00	282.31	90.72	-2,263.00	2,962.28	7,256.75	6,974.47	282.29	25.707	
17,232.03	7,150.00	7,107.84	7,150.00	0.00	282.31	90.72	-2,263.00	2,962.28	7,287.18	7,004.89	282.29	25.814	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	19.81	18.82	6.78	20.00				
100.00	100.00	100.00	100.00	0.00	0.08	19.81	18.82	6.78	20.00	19.92	0.08	236.769	
200.00	200.00	200.00	200.00	0.00	0.31	19.81	18.82	6.78	20.00	19.69	0.31	64.685	
300.00	300.00	300.00	300.00	0.00	0.53	19.81	18.82	6.78	20.00	19.47	0.53	37.459	CC, ES
400.00	399.98	399.98	399.98	0.00	0.76	114.30	18.82	6.78	20.66	19.90	0.76	27.184	
500.00	499.84	499.84	499.84	0.00	0.98	126.06	18.82	6.78	23.31	22.32	0.99	23.531	
600.00	599.47	599.47	599.47	0.00	1.21	139.63	18.82	6.78	29.14	27.91	1.22	23.822	
700.00	699.05	699.05	699.05	0.00	1.43	148.99	18.82	6.78	36.66	35.21	1.45	25.346	
800.00	798.62	798.62	798.62	0.00	1.65	155.07	18.82	6.78	44.82	43.15	1.67	26.872	
900.00	898.20	898.20	898.20	0.00	1.88	159.24	18.82	6.78	53.32	51.43	1.89	28.229	
1,000.00	997.77	997.77	997.77	0.00	2.10	162.26	18.82	6.78	62.03	59.92	2.11	29.398	
1,100.00	1,097.35	1,097.65	1,097.64	0.00	2.33	163.20	20.34	6.11	70.65	68.32	2.33	30.316	
1,200.00	1,196.92	1,197.56	1,197.41	0.00	2.55	161.41	25.06	4.05	78.89	76.34	2.55	30.913	
1,300.00	1,296.49	1,297.25	1,296.72	0.00	2.78	157.68	32.94	0.61	87.04	84.26	2.78	31.283	
1,400.00	1,396.07	1,396.48	1,395.22	0.00	3.02	152.55	43.92	-4.19	95.65	92.62	3.03	31.573	
1,500.00	1,495.64	1,495.02	1,492.56	0.00	3.29	146.48	57.91	-10.31	105.43	102.13	3.30	31.941	
1,600.00	1,595.22	1,592.64	1,588.42	0.00	3.58	139.93	74.78	-17.69	117.11	113.51	3.60	32.540	
1,700.00	1,694.79	1,689.13	1,682.50	0.00	3.92	133.32	94.40	-26.27	131.33	127.41	3.92	33.495	
1,800.00	1,794.37	1,784.30	1,774.54	0.00	4.29	126.99	116.57	-35.96	148.57	144.32	4.26	34.887	
1,900.00	1,893.94	1,877.99	1,864.31	0.00	4.70	121.17	141.13	-46.70	169.14	164.54	4.60	36.765	
2,000.00	1,993.51	1,974.05	1,955.90	0.00	5.16	116.13	167.67	-58.30	192.12	187.17	4.95	38.787	
2,100.00	2,093.09	2,070.11	2,047.49	0.00	5.65	112.16	194.20	-69.91	216.24	210.95	5.30	40.830	
2,200.00	2,192.66	2,166.16	2,139.07	0.00	6.15	108.99	220.73	-81.51	241.16	235.53	5.63	42.813	
2,300.00	2,292.24	2,262.22	2,230.66	0.00	6.66	106.41	247.27	-93.11	266.65	260.68	5.97	44.701	
2,400.00	2,391.81	2,358.28	2,322.25	0.00	7.18	104.28	273.80	-104.71	292.55	286.26	6.29	46.478	
2,500.00	2,491.39	2,454.33	2,413.84	0.00	7.71	102.49	300.34	-116.31	318.78	312.16	6.62	48.141	
2,600.00	2,590.96	2,550.39	2,505.42	0.00	8.25	100.98	326.87	-127.92	345.26	338.31	6.95	49.692	
2,700.00	2,690.53	2,646.45	2,597.01	0.00	8.79	99.68	353.41	-139.52	371.93	364.66	7.27	51.136	
2,800.00	2,790.11	2,742.50	2,688.60	0.00	9.34	98.55	379.94	-151.12	398.75	391.15	7.60	52.480	
2,900.00	2,889.68	2,838.56	2,780.19	0.00	9.89	97.57	406.47	-162.72	425.70	417.78	7.92	53.731	
3,000.00	2,989.26	2,934.62	2,871.77	0.00	10.44	96.70	433.01	-174.32	452.76	444.51	8.25	54.897	
3,100.00	3,088.83	3,030.68	2,963.36	0.00	10.99	95.93	459.54	-185.93	479.90	471.32	8.57	55.985	
3,200.00	3,188.41	3,126.73	3,054.95	0.00	11.55	95.24	486.08	-197.53	507.11	498.21	8.90	57.001	
3,300.00	3,287.98	3,222.79	3,146.54	0.00	12.11	94.62	512.61	-209.13	534.38	525.16	9.22	57.951	
3,400.00	3,387.56	3,318.85	3,238.12	0.00	12.67	94.06	539.15	-220.73	561.70	552.16	9.55	58.840	
3,500.00	3,487.13	3,414.90	3,329.71	0.00	13.23	93.56	565.68	-232.34	589.07	579.20	9.87	59.675	
3,600.00	3,586.70	3,510.96	3,421.30	0.00	13.80	93.10	592.21	-243.94	616.48	606.29	10.20	60.459	
3,700.00	3,686.28	3,607.02	3,512.88	0.00	14.36	92.67	618.75	-255.54	643.92	633.40	10.52	61.197	
3,800.00	3,785.85	3,703.07	3,604.47	0.00	14.92	92.29	645.28	-267.14	671.40	660.55	10.85	61.892	
3,900.00	3,885.43	3,799.13	3,696.06	0.00	15.49	91.93	671.82	-278.74	698.90	687.72	11.17	62.547	
4,000.00	3,985.00	3,895.19	3,787.65	0.00	16.06	91.60	698.35	-290.35	726.42	714.92	11.50	63.167	
4,100.00	4,084.58	3,991.24	3,879.23	0.00	16.62	91.29	724.89	-301.95	753.96	742.13	11.83	63.753	
4,200.00	4,184.15	4,087.30	3,970.82	0.00	17.19	91.01	751.42	-313.55	781.52	769.37	12.15	64.308	
4,300.00	4,283.72	4,183.36	4,062.41	0.00	17.76	90.74	777.95	-325.15	809.10	796.62	12.48	64.834	
4,400.00	4,383.30	4,279.41	4,154.00	0.00	18.33	90.49	804.49	-336.76	836.69	823.88	12.81	65.334	
4,500.00	4,482.87	4,375.47	4,245.58	0.00	18.90	90.26	831.02	-348.36	864.30	851.16	13.13	65.810	
4,600.00	4,582.45	4,471.53	4,337.17	0.00	19.47	90.04	857.56	-359.96	891.92	878.46	13.46	66.262	
4,700.00	4,682.02	4,567.58	4,428.76	0.00	20.04	89.84	884.09	-371.56	919.55	905.76	13.79	66.693	
4,800.00	4,781.60	4,663.64	4,520.35	0.00	20.61	89.65	910.63	-383.16	947.19	933.07	14.12	67.104	
4,900.00	4,881.17	4,759.70	4,611.93	0.00	21.18	89.46	937.16	-394.77	974.83	960.39	14.44	67.497	
5,000.00	4,980.74	4,855.76	4,703.52	0.00	21.75	89.29	963.69	-406.37	1,002.49	987.72	14.77	67.872	
5,100.00	5,080.32	4,951.81	4,795.11	0.00	22.32	89.13	990.23	-417.97	1,030.16	1,015.06	15.10	68.230	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,047.87	4,886.70	0.00	22.90	88.98	1,016.76	-429.57	1,057.83	1,042.40	15.43	68.574	
5,300.00	5,279.47	5,143.93	4,978.28	0.00	23.47	88.83	1,043.30	-441.18	1,085.51	1,069.76	15.75	68.903	
5,400.00	5,379.04	5,239.98	5,069.87	0.00	24.04	88.69	1,069.83	-452.78	1,113.20	1,097.11	16.08	69.218	
5,500.00	5,478.62	5,336.04	5,161.46	0.00	24.61	88.56	1,096.37	-464.38	1,140.89	1,124.48	16.41	69.521	
5,600.00	5,578.19	5,432.10	5,253.04	0.00	25.19	88.43	1,122.90	-475.98	1,168.59	1,151.85	16.74	69.812	
5,700.00	5,677.77	5,528.15	5,344.63	0.00	25.76	88.31	1,149.43	-487.58	1,196.29	1,179.22	17.07	70.091	
5,800.00	5,777.34	5,624.21	5,436.22	0.00	26.33	88.20	1,175.97	-499.19	1,223.99	1,206.60	17.40	70.360	
5,900.00	5,876.91	5,734.99	5,541.91	0.00	26.94	88.08	1,206.37	-512.48	1,251.58	1,233.83	17.75	70.513	
6,000.00	5,976.49	5,899.00	5,700.18	0.00	27.65	88.02	1,245.71	-529.68	1,275.61	1,257.41	18.19	70.112	
6,100.00	6,076.06	6,066.89	5,864.47	0.00	28.24	88.13	1,277.32	-543.50	1,294.40	1,275.77	18.62	69.498	
6,200.00	6,175.64	6,237.61	6,033.29	0.00	28.72	88.40	1,300.36	-553.58	1,307.80	1,288.76	19.04	68.683	
6,300.00	6,275.24	6,410.02	6,205.01	0.00	29.07	88.87	1,314.24	-559.65	1,315.73	1,296.29	19.44	67.675	
6,400.00	6,375.13	6,580.33	6,375.23	0.00	29.29	-90.31	1,318.64	-561.56	1,318.23	1,298.50	19.73	66.802	
6,500.00	6,474.53	6,682.66	6,477.16	0.00	29.34	-90.70	1,318.66	-553.63	1,318.24	1,298.45	19.79	66.617	
6,600.00	6,571.72	6,785.30	6,577.23	0.00	29.32	-90.80	1,318.71	-531.18	1,318.24	1,298.45	19.79	66.622	
6,700.00	6,665.06	6,888.07	6,673.18	0.00	29.24	-90.82	1,318.80	-494.61	1,318.23	1,298.45	19.77	66.673	
6,800.00	6,752.94	6,990.75	6,762.84	0.00	29.10	-90.78	1,318.93	-444.75	1,318.20	1,298.40	19.80	66.583	
6,900.00	6,833.85	7,093.16	6,844.25	0.00	28.93	-90.68	1,319.08	-382.77	1,318.16	1,298.23	19.93	66.139	
7,000.00	6,906.42	7,195.10	6,915.69	0.00	28.74	-90.53	1,319.25	-310.18	1,318.12	1,297.88	20.24	65.133	
7,100.00	6,969.40	7,296.40	6,975.78	0.00	28.54	-90.33	1,319.45	-228.72	1,318.08	1,297.30	20.78	63.417	
7,163.04	7,003.68	7,359.65	7,007.92	0.00	28.42	-90.21	1,319.59	-174.25	1,318.07	1,296.80	21.27	61.963	
7,200.00	7,021.72	7,396.69	7,026.37	0.00	28.36	-90.23	1,319.66	-142.14	1,318.07	1,296.50	21.58	61.092	
7,300.00	7,062.47	7,497.56	7,069.13	0.00	28.19	-90.31	1,319.89	-50.87	1,318.09	1,295.46	22.64	58.232	
7,400.00	7,090.97	7,598.62	7,098.70	0.00	28.06	-90.35	1,320.12	45.68	1,318.11	1,294.09	24.02	54.883	
7,500.00	7,106.72	7,699.73	7,114.40	0.00	27.97	-90.34	1,320.37	145.48	1,318.12	1,292.44	25.68	51.327	
7,600.00	7,110.14	7,800.34	7,117.13	0.00	28.00	-90.30	1,320.62	246.01	1,318.14	1,290.59	27.55	47.848	
7,700.00	7,110.55	7,900.34	7,117.44	0.00	28.26	-90.30	1,320.86	346.01	1,318.15	1,288.57	29.59	44.551	
7,800.00	7,110.97	8,000.34	7,117.75	0.00	28.94	-90.30	1,321.11	446.01	1,318.17	1,286.39	31.79	41.470	
7,900.00	7,111.38	8,100.34	7,118.06	0.00	30.16	-90.29	1,321.35	546.01	1,318.19	1,284.07	34.12	38.636	
8,000.00	7,111.79	8,200.34	7,118.37	0.00	31.77	-90.29	1,321.60	646.01	1,318.21	1,281.65	36.56	36.057	
8,100.00	7,112.21	8,300.34	7,118.68	0.00	33.59	-90.28	1,321.84	746.01	1,318.23	1,279.14	39.09	33.723	
8,200.00	7,112.62	8,400.34	7,118.99	0.00	35.53	-90.28	1,322.09	846.01	1,318.25	1,276.55	41.70	31.616	
8,300.00	7,113.03	8,500.34	7,119.30	0.00	37.57	-90.27	1,322.33	946.01	1,318.27	1,273.91	44.36	29.715	
8,400.00	7,113.45	8,600.34	7,119.61	0.00	39.66	-90.27	1,322.58	1,046.01	1,318.29	1,271.21	47.08	28.000	
8,500.00	7,113.86	8,700.34	7,119.92	0.00	41.81	-90.26	1,322.83	1,146.01	1,318.31	1,268.46	49.85	26.448	
8,600.00	7,114.28	8,800.34	7,120.23	0.00	44.00	-90.26	1,323.07	1,246.01	1,318.33	1,265.68	52.64	25.042	
8,700.00	7,114.69	8,900.34	7,120.54	0.00	46.23	-90.25	1,323.32	1,346.01	1,318.34	1,262.87	55.48	23.764	
8,800.00	7,115.10	9,000.34	7,120.85	0.00	48.48	-90.25	1,323.56	1,446.00	1,318.36	1,260.03	58.33	22.600	
8,900.00	7,115.52	9,100.34	7,121.17	0.00	50.76	-90.25	1,323.81	1,546.00	1,318.38	1,257.17	61.22	21.537	
9,000.00	7,115.93	9,200.34	7,121.48	0.00	53.06	-90.24	1,324.05	1,646.00	1,318.40	1,254.29	64.12	20.563	
9,100.00	7,116.35	9,300.34	7,121.79	0.00	55.38	-90.24	1,324.30	1,746.00	1,318.42	1,251.39	67.04	19.668	
9,200.00	7,116.76	9,400.34	7,122.10	0.00	57.72	-90.23	1,324.54	1,846.00	1,318.44	1,248.47	69.97	18.843	
9,300.00	7,117.17	9,500.34	7,122.41	0.00	60.07	-90.23	1,324.79	1,946.00	1,318.46	1,245.54	72.92	18.082	
9,400.00	7,117.59	9,600.34	7,122.72	0.00	62.43	-90.22	1,325.04	2,046.00	1,318.48	1,242.60	75.88	17.377	
9,500.00	7,118.00	9,700.34	7,123.03	0.00	64.81	-90.22	1,325.28	2,146.00	1,318.50	1,239.65	78.85	16.722	
9,600.00	7,118.41	9,800.34	7,123.34	0.00	67.20	-90.21	1,325.53	2,246.00	1,318.52	1,236.69	81.83	16.114	
9,700.00	7,118.83	9,900.34	7,123.65	0.00	69.59	-90.21	1,325.77	2,346.00	1,318.54	1,233.72	84.81	15.546	
9,800.00	7,119.24	10,000.34	7,123.96	0.00	72.00	-90.20	1,326.02	2,446.00	1,318.55	1,230.75	87.81	15.016	
9,900.00	7,119.66	10,100.34	7,124.27	0.00	74.41	-90.20	1,326.26	2,546.00	1,318.57	1,227.76	90.81	14.520	
10,000.00	7,120.07	10,200.34	7,124.58	0.00	76.83	-90.20	1,326.51	2,645.99	1,318.59	1,224.77	93.82	14.055	
10,100.00	7,120.48	10,300.34	7,124.89	0.00	79.26	-90.19	1,326.75	2,745.99	1,318.61	1,221.78	96.83	13.617	
10,200.00	7,120.90	10,400.34	7,125.20	0.00	81.69	-90.19	1,327.00	2,845.99	1,318.63	1,218.78	99.85	13.206	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,500.34	7,125.51	0.00	84.13	-90.18	1,327.25	2,945.99	1,318.65	1,215.77	102.88	12.818	
10,400.00	7,121.73	10,600.34	7,125.82	0.00	86.57	-90.18	1,327.49	3,045.99	1,318.67	1,212.77	105.90	12.452	
10,500.00	7,122.14	10,700.34	7,126.13	0.00	89.02	-90.17	1,327.74	3,145.99	1,318.69	1,209.75	108.94	12.105	
10,600.00	7,122.55	10,800.34	7,126.44	0.00	91.47	-90.17	1,327.98	3,245.99	1,318.71	1,206.74	111.97	11.777	
10,700.00	7,122.97	10,900.34	7,126.75	0.00	93.92	-90.16	1,328.23	3,345.99	1,318.73	1,203.72	115.01	11.466	
10,800.00	7,123.38	11,000.34	7,127.06	0.00	96.38	-90.16	1,328.47	3,445.99	1,318.75	1,200.70	118.05	11.171	
10,900.00	7,123.79	11,100.34	7,127.37	0.00	98.84	-90.16	1,328.72	3,545.99	1,318.77	1,197.67	121.10	10.890	
11,000.00	7,124.21	11,200.34	7,127.68	0.00	101.31	-90.15	1,328.96	3,645.99	1,318.79	1,194.64	124.14	10.623	
11,100.00	7,124.62	11,300.34	7,127.99	0.00	103.77	-90.15	1,329.21	3,745.99	1,318.80	1,191.61	127.19	10.369	
11,200.00	7,125.04	11,400.34	7,128.30	0.00	106.25	-90.14	1,329.45	3,845.98	1,318.82	1,188.58	130.24	10.126	
11,300.00	7,125.45	11,500.34	7,128.61	0.00	108.72	-90.14	1,329.70	3,945.98	1,318.84	1,185.54	133.30	9.894	
11,400.00	7,125.86	11,600.34	7,128.92	0.00	111.19	-90.13	1,329.95	4,045.98	1,318.86	1,182.51	136.35	9.672	
11,500.00	7,126.28	11,700.34	7,129.23	0.00	113.67	-90.13	1,330.19	4,145.98	1,318.88	1,179.47	139.41	9.460	
11,600.00	7,126.69	11,800.34	7,129.54	0.00	116.15	-90.12	1,330.44	4,245.98	1,318.90	1,176.43	142.47	9.257	
11,700.00	7,127.11	11,900.34	7,129.85	0.00	118.63	-90.12	1,330.68	4,345.98	1,318.92	1,173.39	145.53	9.063	
11,800.00	7,127.52	12,000.34	7,130.16	0.00	121.12	-90.11	1,330.93	4,445.98	1,318.94	1,170.35	148.59	8.876	
11,900.00	7,127.93	12,100.34	7,130.47	0.00	123.60	-90.11	1,331.17	4,545.98	1,318.96	1,167.30	151.66	8.697	
12,000.00	7,128.35	12,200.34	7,130.78	0.00	126.09	-90.11	1,331.42	4,645.98	1,318.98	1,164.25	154.72	8.525	
12,100.00	7,128.76	12,300.34	7,131.09	0.00	128.58	-90.10	1,331.66	4,745.98	1,319.00	1,161.21	157.79	8.359	
12,200.00	7,129.18	12,400.34	7,131.40	0.00	131.07	-90.10	1,331.91	4,845.98	1,319.02	1,158.16	160.86	8.200	
12,300.00	7,129.59	12,500.34	7,131.71	0.00	133.56	-90.09	1,332.16	4,945.98	1,319.04	1,155.11	163.93	8.047	
12,400.00	7,130.00	12,600.34	7,132.02	0.00	136.05	-90.09	1,332.40	5,045.97	1,319.06	1,152.06	167.00	7.899	
12,500.00	7,130.42	12,700.34	7,132.33	0.00	138.54	-90.08	1,332.65	5,145.97	1,319.08	1,149.01	170.07	7.756	
12,600.00	7,130.83	12,800.34	7,132.64	0.00	141.04	-90.08	1,332.89	5,245.97	1,319.09	1,145.96	173.14	7.619	
12,700.00	7,131.24	12,900.34	7,132.95	0.00	143.53	-90.07	1,333.14	5,345.97	1,319.11	1,142.90	176.21	7.486	
12,800.00	7,131.66	13,000.34	7,133.26	0.00	146.03	-90.07	1,333.38	5,445.97	1,319.13	1,139.85	179.28	7.358	
12,900.00	7,132.07	13,100.34	7,133.57	0.00	148.53	-90.07	1,333.63	5,545.97	1,319.15	1,136.80	182.36	7.234	
13,000.00	7,132.49	13,200.34	7,133.88	0.00	151.03	-90.06	1,333.87	5,645.97	1,319.17	1,133.74	185.43	7.114	
13,100.00	7,132.90	13,300.34	7,134.19	0.00	153.53	-90.06	1,334.12	5,745.97	1,319.19	1,130.68	188.51	6.998	
13,200.00	7,133.31	13,400.34	7,134.50	0.00	156.03	-90.05	1,334.37	5,845.97	1,319.21	1,127.63	191.58	6.886	
13,300.00	7,133.73	13,500.34	7,134.81	0.00	158.53	-90.05	1,334.61	5,945.97	1,319.23	1,124.57	194.66	6.777	
13,400.00	7,134.14	13,600.34	7,135.12	0.00	161.03	-90.04	1,334.86	6,045.97	1,319.25	1,121.51	197.74	6.672	
13,500.00	7,134.56	13,700.34	7,135.43	0.00	163.54	-90.04	1,335.10	6,145.97	1,319.27	1,118.45	200.82	6.570	
13,600.00	7,134.97	13,800.34	7,135.74	0.00	166.04	-90.03	1,335.35	6,245.96	1,319.29	1,115.39	203.90	6.470	
13,700.00	7,135.38	13,900.34	7,136.05	0.00	168.55	-90.03	1,335.59	6,345.96	1,319.31	1,112.33	206.98	6.374	
13,800.00	7,135.80	14,000.34	7,136.36	0.00	171.05	-90.02	1,335.84	6,445.96	1,319.33	1,109.27	210.06	6.281	
13,900.00	7,136.21	14,100.34	7,136.67	0.00	173.56	-90.02	1,336.08	6,545.96	1,319.35	1,106.21	213.14	6.190	
14,000.00	7,136.62	14,200.34	7,136.98	0.00	176.06	-90.02	1,336.33	6,645.96	1,319.37	1,103.15	216.22	6.102	
14,100.00	7,137.04	14,300.34	7,137.29	0.00	178.57	-90.01	1,336.58	6,745.96	1,319.39	1,100.09	219.30	6.016	
14,200.00	7,137.45	14,400.34	7,137.60	0.00	181.08	-90.01	1,336.82	6,845.96	1,319.41	1,097.03	222.38	5.933	
14,300.00	7,137.87	14,500.34	7,137.91	0.00	183.59	-90.00	1,337.07	6,945.96	1,319.43	1,093.97	225.46	5.852	
14,400.00	7,138.28	14,600.34	7,138.22	0.00	186.09	-90.00	1,337.31	7,045.96	1,319.45	1,090.90	228.54	5.773	
14,500.00	7,138.69	14,700.34	7,138.53	0.00	188.60	-89.99	1,337.56	7,145.96	1,319.47	1,087.84	231.63	5.697	
14,600.00	7,139.11	14,800.34	7,138.84	0.00	191.11	-89.99	1,337.80	7,245.96	1,319.48	1,084.78	234.71	5.622	
14,700.00	7,139.52	14,900.34	7,139.15	0.00	193.62	-89.98	1,338.05	7,345.96	1,319.50	1,081.71	237.79	5.549	
14,800.00	7,139.94	15,000.34	7,139.46	0.00	196.13	-89.98	1,338.29	7,445.95	1,319.52	1,078.65	240.88	5.478	
14,900.00	7,140.35	15,100.34	7,139.77	0.00	198.64	-89.98	1,338.54	7,545.95	1,319.54	1,075.58	243.96	5.409	
15,000.00	7,140.76	15,200.34	7,140.08	0.00	201.16	-89.97	1,338.78	7,645.95	1,319.56	1,072.52	247.05	5.341	
15,100.00	7,141.18	15,300.34	7,140.39	0.00	203.67	-89.97	1,339.03	7,745.95	1,319.58	1,069.45	250.13	5.276	
15,200.00	7,141.59	15,400.34	7,140.70	0.00	206.18	-89.96	1,339.28	7,845.95	1,319.60	1,066.39	253.22	5.211	
15,300.00	7,142.00	15,500.34	7,141.01	0.00	208.69	-89.96	1,339.52	7,945.95	1,319.62	1,063.32	256.30	5.149	
15,400.00	7,142.42	15,600.34	7,141.32	0.00	211.21	-89.95	1,339.77	8,045.95	1,319.64	1,060.26	259.39	5.088	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	15,700.34	7,141.63	0.00	213.72	-89.95	1,340.01	8,145.95	1,319.66	1,057.19	262.47	5.028	
15,600.00	7,143.25	15,800.34	7,141.94	0.00	216.23	-89.94	1,340.26	8,245.95	1,319.68	1,054.12	265.56	4.969	
15,700.00	7,143.66	15,900.34	7,142.25	0.00	218.75	-89.94	1,340.50	8,345.95	1,319.70	1,051.06	268.64	4.912	
15,800.00	7,144.07	16,000.34	7,142.57	0.00	221.26	-89.93	1,340.75	8,445.95	1,319.72	1,047.99	271.73	4.857	
15,900.00	7,144.49	16,100.34	7,142.88	0.00	223.77	-89.93	1,340.99	8,545.95	1,319.74	1,044.92	274.82	4.802	
16,000.00	7,144.90	16,200.34	7,143.19	0.00	226.29	-89.93	1,341.24	8,645.94	1,319.76	1,041.85	277.91	4.749	
16,100.00	7,145.32	16,300.34	7,143.50	0.00	228.80	-89.92	1,341.49	8,745.94	1,319.78	1,038.79	280.99	4.697	
16,200.00	7,145.73	16,400.34	7,143.81	0.00	231.32	-89.92	1,341.73	8,845.94	1,319.80	1,035.72	284.08	4.646	
16,300.00	7,146.14	16,500.34	7,144.12	0.00	233.84	-89.91	1,341.98	8,945.94	1,319.82	1,032.65	287.17	4.596	
16,400.00	7,146.56	16,600.34	7,144.43	0.00	236.35	-89.91	1,342.22	9,045.94	1,319.84	1,029.58	290.26	4.547	
16,500.00	7,146.97	16,700.34	7,144.74	0.00	238.87	-89.90	1,342.47	9,145.94	1,319.86	1,026.51	293.34	4.499	
16,600.00	7,147.38	16,800.34	7,145.05	0.00	241.38	-89.90	1,342.71	9,245.94	1,319.88	1,023.45	296.43	4.453	
16,700.00	7,147.80	16,900.34	7,145.36	0.00	243.90	-89.89	1,342.96	9,345.94	1,319.90	1,020.38	299.52	4.407	
16,800.00	7,148.21	17,000.34	7,145.67	0.00	246.42	-89.89	1,343.20	9,445.94	1,319.92	1,017.31	302.61	4.362	
16,900.00	7,148.63	17,100.34	7,145.98	0.00	248.93	-89.89	1,343.45	9,545.94	1,319.94	1,014.24	305.70	4.318	
17,000.00	7,149.04	17,200.33	7,146.29	0.00	251.45	-89.88	1,343.70	9,645.94	1,319.96	1,011.17	308.79	4.275	
17,100.00	7,149.45	17,300.33	7,146.60	0.00	253.97	-89.88	1,343.94	9,745.94	1,319.98	1,008.10	311.88	4.232	
17,200.00	7,149.87	17,400.33	7,146.91	0.00	256.49	-89.87	1,344.19	9,845.93	1,320.00	1,005.03	314.96	4.191	
17,212.45	7,149.92	17,412.79	7,146.95	0.00	256.80	-89.87	1,344.22	9,858.39	1,320.00	1,004.65	315.35	4.186	
17,232.03	7,150.00	17,430.36	7,147.00	0.00	257.24	-89.87	1,344.26	9,875.96	1,320.00	1,004.11	315.89	4.179	SF

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 2H - Pilot - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-Gyro — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,314.90	6,290.10	6,314.90	6,290.09	0.00	0.00	-0.30	0.52	-541.69	0.09	0.09	0.00	N/A	CC, ES
6,400.00	6,375.13	6,399.94	6,374.98	0.00	0.00	-179.71	0.53	-546.66	3.47	3.47	0.00	N/A	
6,500.00	6,474.53	6,499.38	6,474.38	0.00	0.00	-179.99	0.53	-549.28	16.41	16.41	0.00	N/A	
6,600.00	6,571.72	6,596.72	6,571.72	0.00	0.00	179.98	0.53	-549.39	39.74	39.74	0.00	N/A	
6,700.00	6,665.06	6,690.06	6,665.06	0.00	0.00	179.98	0.53	-549.39	75.43	75.43	0.00	N/A	
6,800.00	6,752.94	6,777.93	6,752.94	0.00	0.00	179.98	0.53	-549.39	123.01	123.01	0.00	N/A	
6,900.00	6,833.85	6,858.85	6,833.85	0.00	0.00	179.98	0.53	-549.39	181.65	181.65	0.00	N/A	
7,000.00	6,906.42	6,931.42	6,906.42	0.00	0.00	179.98	0.53	-549.39	250.35	250.35	0.00	N/A	
7,100.00	6,969.40	6,994.40	6,969.40	0.00	0.00	179.98	0.53	-549.39	327.93	327.93	0.00	N/A	
7,200.00	7,021.72	7,046.71	7,021.72	0.00	0.00	179.97	0.53	-549.39	413.07	413.07	0.00	N/A	
7,300.00	7,062.47	7,087.47	7,062.47	0.00	0.00	179.96	0.53	-549.39	504.31	504.31	0.00	N/A	
7,400.00	7,090.97	7,115.97	7,090.97	0.00	0.00	179.94	0.53	-549.39	600.09	600.09	0.00	N/A	
7,500.00	7,106.72	7,131.72	7,106.72	0.00	0.00	179.86	0.53	-549.39	698.77	698.77	0.00	N/A	
7,600.00	7,110.14	7,135.13	7,110.14	0.00	0.00	177.08	0.53	-549.39	798.67	798.67	0.00	N/A	
7,700.00	7,110.55	7,135.55	7,110.55	0.00	0.00	177.40	0.53	-549.39	898.66				
7,800.00	7,110.97	7,135.96	7,110.97	0.00	0.00	177.66	0.53	-549.39	998.66				
7,900.00	7,111.38	7,136.38	7,111.38	0.00	0.00	177.88	0.53	-549.39	1,098.66				
8,000.00	7,111.79	7,136.79	7,111.79	0.00	0.00	178.05	0.53	-549.39	1,198.66				
8,100.00	7,112.21	7,137.20	7,112.21	0.00	0.00	178.20	0.53	-549.39	1,298.66				
8,200.00	7,112.62	7,137.62	7,112.62	0.00	0.00	178.33	0.53	-549.39	1,398.66				
8,300.00	7,113.03	7,138.03	7,113.03	0.00	0.00	178.44	0.53	-549.39	1,498.66				
8,400.00	7,113.45	7,138.44	7,113.45	0.00	0.00	178.54	0.53	-549.39	1,598.66				
8,500.00	7,113.86	7,138.86	7,113.86	0.00	0.00	178.63	0.53	-549.39	1,698.66				
8,600.00	7,114.28	7,139.27	7,114.28	0.00	0.00	178.70	0.53	-549.39	1,798.66	1,798.66	0.00	N/A	
8,700.00	7,114.69	7,139.69	7,114.69	0.00	0.00	178.77	0.53	-549.39	1,898.66	1,898.66	0.00	N/A	
8,800.00	7,115.10	7,140.10	7,115.10	0.00	0.00	178.83	0.53	-549.39	1,998.65	1,998.65	0.00	N/A	
8,900.00	7,115.52	7,140.51	7,115.52	0.00	0.00	178.89	0.53	-549.39	2,098.65	2,098.65	0.00	N/A	
9,000.00	7,115.93	7,140.93	7,115.93	0.00	0.00	178.94	0.53	-549.39	2,198.65	2,198.65	0.00	N/A	
9,100.00	7,116.35	7,141.34	7,116.35	0.00	0.00	178.98	0.53	-549.39	2,298.65	2,298.65	0.00	N/A	
9,200.00	7,116.76	7,141.76	7,116.76	0.00	0.00	179.03	0.53	-549.39	2,398.65	2,398.65	0.00	N/A	
9,300.00	7,117.17	7,142.17	7,117.17	0.00	0.00	179.07	0.53	-549.39	2,498.65	2,498.65	0.00	N/A	
9,400.00	7,117.59	7,142.58	7,117.59	0.00	0.00	179.10	0.53	-549.39	2,598.65	2,598.65	0.00	N/A	
9,500.00	7,118.00	7,143.00	7,118.00	0.00	0.00	179.14	0.53	-549.39	2,698.65	2,698.65	0.00	N/A	
9,600.00	7,118.41	7,143.41	7,118.41	0.00	0.00	179.17	0.53	-549.39	2,798.65	2,798.65	0.00	N/A	
9,700.00	7,118.83	7,143.83	7,118.83	0.00	0.00	179.19	0.53	-549.39	2,898.65	2,898.65	0.00	N/A	
9,800.00	7,119.24	7,144.24	7,119.24	0.00	0.00	179.22	0.53	-549.39	2,998.65	2,998.65	0.00	N/A	
9,900.00	7,119.66	7,144.65	7,119.66	0.00	0.00	179.25	0.53	-549.39	3,098.65	3,098.65	0.00	N/A	
10,000.00	7,120.07	7,145.07	7,120.07	0.00	0.00	179.27	0.53	-549.39	3,198.64	3,198.64	0.00	N/A	
10,100.00	7,120.48	7,145.48	7,120.48	0.00	0.00	179.29	0.53	-549.39	3,298.64	3,298.64	0.00	N/A	
10,200.00	7,120.90	7,145.89	7,120.90	0.00	0.00	179.31	0.53	-549.39	3,398.64	3,398.64	0.00	N/A	
10,300.00	7,121.31	7,146.31	7,121.31	0.00	0.00	179.33	0.53	-549.39	3,498.64	3,498.64	0.00	N/A	
10,400.00	7,121.73	7,146.72	7,121.73	0.00	0.00	179.35	0.53	-549.39	3,598.64				
10,500.00	7,122.14	7,147.14	7,122.14	0.00	0.00	179.37	0.53	-549.39	3,698.64				
10,600.00	7,122.55	7,147.55	7,122.55	0.00	0.00	179.39	0.53	-549.39	3,798.64				
10,700.00	7,122.97	7,147.96	7,122.97	0.00	0.00	179.40	0.53	-549.39	3,898.64				
10,800.00	7,123.38	7,148.38	7,123.38	0.00	0.00	179.42	0.53	-549.39	3,998.64	3,998.64	0.00	N/A	
10,900.00	7,123.79	7,148.79	7,123.79	0.00	0.00	179.43	0.53	-549.39	4,098.64	4,098.64	0.00	N/A	
11,000.00	7,124.21	7,149.21	7,124.21	0.00	0.00	179.44	0.53	-549.39	4,198.64	4,198.64	0.00	N/A	
11,100.00	7,124.62	7,149.62	7,124.62	0.00	0.00	179.46	0.53	-549.39	4,298.64	4,298.64	0.00	N/A	
11,200.00	7,125.04	7,150.03	7,125.04	0.00	0.00	179.47	0.53	-549.39	4,398.63	4,398.63	0.00	N/A	
11,300.00	7,125.45	7,150.45	7,125.45	0.00	0.00	179.48	0.53	-549.39	4,498.63	4,498.63	0.00	N/A	
11,400.00	7,125.86	7,150.86	7,125.86	0.00	0.00	179.49	0.53	-549.39	4,598.63	4,598.63	0.00	N/A	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 2H - Pilot - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-Gyro — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,500.00	7,126.28	7,151.27	7,126.28	0.00	0.00	179.50	0.53	-549.39	4,698.63	4,698.63	0.00	N/A	
11,600.00	7,126.69	7,151.69	7,126.69	0.00	0.00	179.51	0.53	-549.39	4,798.63	4,798.63	0.00	N/A	
11,700.00	7,127.11	7,152.10	7,127.11	0.00	0.00	179.52	0.53	-549.39	4,898.63	4,898.63	0.00	N/A	
11,800.00	7,127.52	7,152.52	7,127.52	0.00	0.00	179.53	0.53	-549.39	4,998.63	4,998.63	0.00	N/A	
11,900.00	7,127.93	7,152.93	7,127.93	0.00	0.00	179.54	0.53	-549.39	5,098.63	5,098.63	0.00	N/A	
12,000.00	7,128.35	7,153.34	7,128.35	0.00	0.00	179.55	0.53	-549.39	5,198.63	5,198.63	0.00	N/A	
12,100.00	7,128.76	7,153.76	7,128.76	0.00	0.00	179.56	0.53	-549.39	5,298.63	5,298.63	0.00	N/A	
12,200.00	7,129.18	7,154.17	7,129.18	0.00	0.00	179.57	0.53	-549.39	5,398.63	5,398.63	0.00	N/A	
12,300.00	7,129.59	7,154.59	7,129.59	0.00	0.00	179.58	0.53	-549.39	5,498.62	5,498.62	0.00	N/A	
12,400.00	7,130.00	7,155.00	7,130.00	0.00	0.00	179.58	0.53	-549.39	5,598.62	5,598.62	0.00	N/A	
12,500.00	7,130.42	7,155.41	7,130.42	0.00	0.00	179.59	0.53	-549.39	5,698.62	5,698.62	0.00	N/A	
12,600.00	7,130.83	7,155.83	7,130.83	0.00	0.00	179.60	0.53	-549.39	5,798.62	5,798.62	0.00	N/A	
12,700.00	7,131.24	7,156.24	7,131.24	0.00	0.00	179.60	0.53	-549.39	5,898.62	5,898.62	0.00	N/A	
12,800.00	7,131.66	7,156.65	7,131.66	0.00	0.00	179.61	0.53	-549.39	5,998.62	5,998.62	0.00	N/A	
12,900.00	7,132.07	7,157.07	7,132.07	0.00	0.00	179.62	0.53	-549.39	6,098.62	6,098.62	0.00	N/A	
13,000.00	7,132.49	7,157.48	7,132.49	0.00	0.00	179.62	0.53	-549.39	6,198.62	6,198.62	0.00	N/A	
13,100.00	7,132.90	7,157.90	7,132.90	0.00	0.00	179.63	0.53	-549.39	6,298.62	6,298.62	0.00	N/A	
13,200.00	7,133.31	7,158.31	7,133.31	0.00	0.00	179.64	0.53	-549.39	6,398.62	6,398.62	0.00	N/A	
13,300.00	7,133.73	7,158.72	7,133.73	0.00	0.00	179.64	0.53	-549.39	6,498.62	6,498.62	0.00	N/A	
13,400.00	7,134.14	7,159.14	7,134.14	0.00	0.00	179.65	0.53	-549.39	6,598.62	6,598.62	0.00	N/A	
13,500.00	7,134.56	7,159.55	7,134.56	0.00	0.00	179.65	0.53	-549.39	6,698.61	6,698.61	0.00	N/A	
13,600.00	7,134.97	7,159.97	7,134.97	0.00	0.00	179.66	0.53	-549.39	6,798.61	6,798.61	0.00	N/A	
13,700.00	7,135.38	7,160.38	7,135.38	0.00	0.00	179.66	0.53	-549.39	6,898.61	6,898.61	0.00	N/A	
13,800.00	7,135.80	7,160.79	7,135.80	0.00	0.00	179.67	0.53	-549.39	6,998.61	6,998.61	0.00	N/A	
13,900.00	7,136.21	7,161.21	7,136.21	0.00	0.00	179.67	0.53	-549.39	7,098.61	7,098.61	0.00	N/A	
14,000.00	7,136.62	7,161.62	7,136.62	0.00	0.00	179.68	0.53	-549.39	7,198.61	7,198.61	0.00	N/A	
14,100.00	7,137.04	7,162.03	7,137.04	0.00	0.00	179.68	0.53	-549.39	7,298.61	7,298.61	0.00	N/A	
14,200.00	7,137.45	7,162.45	7,137.45	0.00	0.00	179.68	0.53	-549.39	7,398.61	7,398.61	0.00	N/A	
14,300.00	7,137.87	7,162.86	7,137.87	0.00	0.00	179.69	0.53	-549.39	7,498.61				
14,400.00	7,138.28	7,163.28	7,138.28	0.00	0.00	179.69	0.53	-549.39	7,598.61	7,598.61	0.00	N/A	
14,500.00	7,138.69	7,163.69	7,138.69	0.00	0.00	179.70	0.53	-549.39	7,698.61	7,698.61	0.00	N/A	
14,600.00	7,139.11	7,164.10	7,139.11	0.00	0.00	179.70	0.53	-549.39	7,798.61	7,798.61	0.00	N/A	
14,700.00	7,139.52	7,164.52	7,139.52	0.00	0.00	179.70	0.53	-549.39	7,898.60	7,898.60	0.00	N/A	
14,800.00	7,139.94	7,164.93	7,139.94	0.00	0.00	179.71	0.53	-549.39	7,998.60	7,998.60	0.00	N/A	
14,900.00	7,140.35	7,165.35	7,140.35	0.00	0.00	179.71	0.53	-549.39	8,098.60	8,098.60	0.00	N/A	
15,000.00	7,140.76	7,165.76	7,140.76	0.00	0.00	179.72	0.53	-549.39	8,198.60	8,198.60	0.00	N/A	
15,100.00	7,141.18	7,166.17	7,141.18	0.00	0.00	179.72	0.53	-549.39	8,298.60	8,298.60	0.00	N/A	
15,200.00	7,141.59	7,166.59	7,141.59	0.00	0.00	179.72	0.53	-549.39	8,398.60	8,398.60	0.00	N/A	
15,300.00	7,142.00	7,167.00	7,142.00	0.00	0.00	179.73	0.53	-549.39	8,498.60	8,498.60	0.00	N/A	
15,400.00	7,142.42	7,167.41	7,142.42	0.00	0.00	179.73	0.53	-549.39	8,598.60				
15,500.00	7,142.83	7,167.83	7,142.83	0.00	0.00	179.73	0.53	-549.39	8,698.60				
15,600.00	7,143.25	7,168.24	7,143.25	0.00	0.00	179.73	0.53	-549.39	8,798.60	8,798.60	0.00	N/A	
15,700.00	7,143.66	7,168.66	7,143.66	0.00	0.00	179.74	0.53	-549.39	8,898.60	8,898.60	0.00	N/A	
15,800.00	7,144.07	7,169.07	7,144.07	0.00	0.00	179.74	0.53	-549.39	8,998.60	8,998.60	0.00	N/A	
15,900.00	7,144.49	7,169.48	7,144.49	0.00	0.00	179.74	0.53	-549.39	9,098.59	9,098.59	0.00	N/A	
16,000.00	7,144.90	7,169.90	7,144.90	0.00	0.00	179.75	0.53	-549.39	9,198.59	9,198.59	0.00	N/A	
16,100.00	7,145.32	7,170.31	7,145.32	0.00	0.00	179.75	0.53	-549.39	9,298.59	9,298.59	0.00	N/A	
16,200.00	7,145.73	7,170.73	7,145.73	0.00	0.00	179.75	0.53	-549.39	9,398.59	9,398.59	0.00	N/A	
16,300.00	7,146.14	7,171.14	7,146.14	0.00	0.00	179.75	0.53	-549.39	9,498.59	9,498.59	0.00	N/A	
16,400.00	7,146.56	7,171.55	7,146.56	0.00	0.00	179.76	0.53	-549.39	9,598.59	9,598.59	0.00	N/A	
16,500.00	7,146.97	7,171.97	7,146.97	0.00	0.00	179.76	0.53	-549.39	9,698.59	9,698.59	0.00	N/A	
16,600.00	7,147.38	7,172.38	7,147.38	0.00	0.00	179.76	0.53	-549.39	9,798.59	9,798.59	0.00	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 2H - Pilot - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-Gyro

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,700.00	7,147.80	7,172.79	7,147.80	0.00	0.00	179.76	0.53	-549.39	9,898.59	9,898.59	0.00	N/A	
16,800.00	7,148.21	7,173.21	7,148.21	0.00	0.00	179.77	0.53	-549.39	9,998.59	9,998.59	0.00	N/A	
16,900.00	7,148.63	7,173.62	7,148.63	0.00	0.00	179.77	0.53	-549.39	10,098.59	10,098.59	0.00	N/A	
17,000.00	7,149.04	7,174.04	7,149.04	0.00	0.00	179.77	0.53	-549.39	10,198.58	10,198.58	0.00	N/A	
17,100.00	7,149.45	7,174.45	7,149.45	0.00	0.00	179.77	0.53	-549.39	10,298.58	10,298.58	0.00	N/A	
17,200.00	7,149.87	7,174.86	7,149.87	0.00	0.00	179.78	0.53	-549.39	10,398.58	10,398.58	0.00	N/A	
17,232.03	7,150.00	7,175.00	7,150.00	0.00	0.00	179.78	0.53	-549.39	10,430.62				

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-160.18	-18.81	-6.78	19.99				
100.00	100.00	100.00	100.00	0.00	0.08	-160.18	-18.81	-6.78	19.99	19.91	0.08	236.658	
200.00	200.00	200.00	200.00	0.00	0.31	-160.18	-18.81	-6.78	19.99	19.69	0.31	64.654	
300.00	300.00	300.00	300.00	0.00	0.53	-160.18	-18.81	-6.78	19.99	19.46	0.53	37.442	
400.00	399.98	399.98	399.98	0.00	0.76	-75.08	-18.81	-6.78	19.47	18.71	0.76	25.650	
496.87	496.72	496.72	496.72	0.00	0.98	-90.00	-18.81	-6.78	18.82	17.84	0.98	19.276	CC
500.00	499.84	499.84	499.84	0.00	0.98	-90.66	-18.81	-6.78	18.82	17.83	0.98	19.140	ES
600.00	599.47	599.47	599.47	0.00	1.21	-114.75	-18.81	-6.78	20.74	19.52	1.21	17.109	
700.00	699.05	699.05	699.05	0.00	1.43	-133.49	-18.81	-6.78	25.99	24.55	1.44	18.038	
800.00	798.62	798.62	798.62	0.00	1.65	-145.16	-18.81	-6.78	33.03	31.36	1.67	19.833	
900.00	898.20	898.20	898.20	0.00	1.88	-152.54	-18.81	-6.78	40.94	39.05	1.89	21.688	
1,000.00	997.77	997.77	997.77	0.00	2.10	-157.48	-18.81	-6.78	49.31	47.20	2.11	23.375	
1,100.00	1,097.35	1,097.42	1,097.40	0.00	2.30	-159.33	-20.34	-7.41	57.87	55.56	2.30	25.113	
1,200.00	1,196.92	1,197.07	1,196.92	0.00	2.48	-157.70	-25.08	-9.35	66.38	63.90	2.48	26.765	
1,300.00	1,296.49	1,296.49	1,295.97	0.00	2.67	-153.81	-33.00	-12.58	75.09	72.42	2.67	28.116	
1,400.00	1,396.07	1,395.44	1,394.19	0.00	2.88	-148.43	-44.03	-17.10	84.56	81.67	2.88	29.330	
1,500.00	1,495.64	1,493.69	1,491.25	0.00	3.13	-142.20	-58.08	-22.85	95.48	92.36	3.12	30.589	
1,600.00	1,595.22	1,591.02	1,586.83	0.00	3.41	-135.66	-75.03	-29.78	108.53	105.14	3.39	32.058	
1,700.00	1,694.79	1,687.21	1,680.64	0.00	3.73	-129.26	-94.73	-37.84	124.26	120.59	3.67	33.860	
1,800.00	1,794.37	1,782.08	1,772.40	0.00	4.10	-123.30	-117.00	-46.95	143.04	139.07	3.97	36.063	
1,900.00	1,893.94	1,875.60	1,862.03	0.00	4.51	-117.92	-141.69	-57.05	165.08	160.82	4.27	38.702	
2,000.00	1,993.51	1,971.64	1,953.67	0.00	4.98	-113.36	-168.32	-67.95	189.28	184.71	4.58	41.358	
2,100.00	2,093.09	2,067.69	2,045.30	0.00	5.47	-109.84	-194.95	-78.84	214.37	209.48	4.88	43.901	
2,200.00	2,192.66	2,163.73	2,136.94	0.00	5.97	-107.05	-221.57	-89.74	240.06	234.87	5.19	46.275	
2,300.00	2,292.24	2,259.78	2,228.57	0.00	6.49	-104.80	-248.20	-100.63	266.19	260.69	5.49	48.471	
2,400.00	2,391.81	2,355.83	2,320.21	0.00	7.01	-102.95	-274.83	-111.52	292.63	286.83	5.80	50.491	
2,500.00	2,491.39	2,451.87	2,411.84	0.00	7.55	-101.41	-301.45	-122.42	319.31	313.21	6.10	52.346	
2,600.00	2,590.96	2,547.92	2,503.48	0.00	8.09	-100.10	-328.08	-133.31	346.18	339.77	6.40	54.049	
2,700.00	2,690.53	2,643.96	2,595.11	0.00	8.63	-98.98	-354.71	-144.20	373.19	366.47	6.71	55.613	
2,800.00	2,790.11	2,740.01	2,686.75	0.00	9.18	-98.02	-381.33	-155.10	400.31	393.29	7.02	57.050	
2,900.00	2,889.68	2,836.05	2,778.38	0.00	9.73	-97.17	-407.96	-165.99	427.52	420.20	7.32	58.375	
3,000.00	2,989.26	2,932.10	2,870.02	0.00	10.29	-96.43	-434.59	-176.89	454.82	447.18	7.63	59.597	
3,100.00	3,088.83	3,028.14	2,961.65	0.00	10.85	-95.77	-461.21	-187.78	482.17	474.23	7.94	60.726	
3,200.00	3,188.41	3,124.19	3,053.29	0.00	11.41	-95.18	-487.84	-198.67	509.58	501.33	8.25	61.773	
3,300.00	3,287.98	3,220.23	3,144.93	0.00	11.97	-94.65	-514.47	-209.57	537.03	528.47	8.56	62.745	
3,400.00	3,387.56	3,316.28	3,236.56	0.00	12.53	-94.17	-541.10	-220.46	564.52	555.65	8.87	63.649	
3,500.00	3,487.13	3,412.32	3,328.20	0.00	13.10	-93.74	-567.72	-231.35	592.05	582.87	9.18	64.491	
3,600.00	3,586.70	3,508.37	3,419.83	0.00	13.66	-93.34	-594.35	-242.25	619.60	610.11	9.49	65.278	
3,700.00	3,686.28	3,604.41	3,511.47	0.00	14.23	-92.98	-620.98	-253.14	647.18	637.37	9.80	66.014	
3,800.00	3,785.85	3,700.46	3,603.10	0.00	14.80	-92.65	-647.60	-264.04	674.78	664.66	10.12	66.704	
3,900.00	3,885.43	3,796.50	3,694.74	0.00	15.36	-92.34	-674.23	-274.93	702.40	691.97	10.43	67.352	
4,000.00	3,985.00	3,892.55	3,786.37	0.00	15.93	-92.06	-700.86	-285.82	730.03	719.29	10.74	67.961	
4,100.00	4,084.58	3,988.60	3,878.01	0.00	16.50	-91.80	-727.48	-296.72	757.68	746.63	11.06	68.535	
4,200.00	4,184.15	4,084.64	3,969.64	0.00	17.07	-91.55	-754.11	-307.61	785.35	773.98	11.37	69.077	
4,300.00	4,283.72	4,180.69	4,061.28	0.00	17.64	-91.33	-780.74	-318.50	813.03	801.34	11.68	69.588	
4,400.00	4,383.30	4,276.73	4,152.91	0.00	18.22	-91.11	-807.36	-329.40	840.72	828.72	12.00	70.072	
4,500.00	4,482.87	4,372.78	4,244.55	0.00	18.79	-90.91	-833.99	-340.29	868.41	856.10	12.31	70.531	
4,600.00	4,582.45	4,468.82	4,336.18	0.00	19.36	-90.73	-860.62	-351.18	896.12	883.49	12.63	70.966	
4,700.00	4,682.02	4,564.87	4,427.82	0.00	19.93	-90.55	-887.24	-362.08	923.84	910.89	12.94	71.379	
4,800.00	4,781.60	4,660.91	4,519.46	0.00	20.51	-90.39	-913.87	-372.97	951.56	938.30	13.26	71.772	
4,900.00	4,881.17	4,756.96	4,611.09	0.00	21.08	-90.23	-940.50	-383.87	979.29	965.72	13.57	72.146	
5,000.00	4,980.74	4,853.00	4,702.73	0.00	21.65	-90.09	-967.13	-394.76	1,007.03	993.14	13.89	72.502	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,949.05	4,794.36	0.00	22.23	-89.95	-993.75	-405.65	1,034.77	1,020.56	14.21	72.842	
5,200.00	5,179.89	5,045.09	4,886.00	0.00	22.80	-89.81	-1,020.38	-416.55	1,062.52	1,047.99	14.52	73.167	
5,300.00	5,279.47	5,141.14	4,977.63	0.00	23.37	-89.69	-1,047.01	-427.44	1,090.27	1,075.43	14.84	73.477	
5,400.00	5,379.04	5,237.18	5,069.27	0.00	23.95	-89.57	-1,073.63	-438.33	1,118.02	1,102.87	15.15	73.774	
5,500.00	5,478.62	5,333.23	5,160.90	0.00	24.52	-89.46	-1,100.26	-449.23	1,145.79	1,130.31	15.47	74.059	
5,600.00	5,578.19	5,429.27	5,252.54	0.00	25.10	-89.35	-1,126.89	-460.12	1,173.55	1,157.76	15.79	74.331	
5,700.00	5,677.77	5,525.32	5,344.17	0.00	25.67	-89.25	-1,153.51	-471.02	1,201.32	1,185.21	16.11	74.592	
5,800.00	5,777.34	5,621.36	5,435.81	0.00	26.25	-89.15	-1,180.14	-481.91	1,229.09	1,212.67	16.42	74.843	
5,900.00	5,876.91	5,735.23	5,544.54	0.00	26.86	-89.04	-1,211.41	-494.70	1,256.68	1,239.91	16.78	74.913	
6,000.00	5,976.49	5,900.16	5,703.90	0.00	27.51	-89.01	-1,250.67	-510.77	1,280.52	1,263.29	17.22	74.344	
6,100.00	6,076.06	6,068.95	5,869.24	0.00	28.07	-89.15	-1,281.99	-523.58	1,299.07	1,281.41	17.66	73.553	
6,200.00	6,175.64	6,240.54	6,039.07	0.00	28.51	-89.45	-1,304.54	-532.81	1,312.18	1,294.10	18.08	72.561	
6,300.00	6,275.24	6,413.77	6,211.68	0.00	28.83	-89.94	-1,317.73	-538.20	1,319.78	1,301.29	18.49	71.386	
6,400.00	6,375.13	6,577.28	6,375.13	0.00	29.03	90.33	-1,321.32	-539.53	1,321.86	1,303.08	18.78	70.370	
6,500.00	6,474.53	6,677.32	6,474.68	0.00	29.07	90.11	-1,321.30	-530.56	1,321.89	1,303.05	18.84	70.176	
6,600.00	6,571.72	6,777.49	6,572.14	0.00	29.05	90.09	-1,321.24	-507.78	1,321.91	1,303.11	18.79	70.346	
6,700.00	6,665.06	6,877.67	6,665.49	0.00	28.96	90.06	-1,321.15	-471.63	1,321.92	1,303.25	18.67	70.804	
6,800.00	6,752.94	6,977.72	6,752.77	0.00	28.83	90.00	-1,321.03	-422.90	1,321.93	1,303.42	18.51	71.424	
6,900.00	6,833.85	7,077.51	6,832.22	0.00	28.66	89.90	-1,320.89	-362.65	1,321.94	1,303.59	18.36	72.013	
7,000.00	6,906.42	7,176.93	6,902.29	0.00	28.48	89.76	-1,320.72	-292.24	1,321.96	1,303.67	18.28	72.310	
7,100.00	6,969.40	7,275.85	6,961.67	0.00	28.30	89.60	-1,320.52	-213.22	1,321.98	1,303.62	18.36	72.022	
7,200.00	7,021.72	7,375.25	7,012.19	0.00	28.13	89.52	-1,320.31	-127.63	1,321.99	1,303.37	18.62	70.990	
7,300.00	7,062.47	7,473.91	7,055.21	0.00	28.01	89.66	-1,320.10	-38.93	1,321.96	1,302.83	19.13	69.117	
7,400.00	7,090.97	7,572.98	7,085.74	0.00	27.93	89.76	-1,319.87	55.24	1,321.93	1,302.03	19.90	66.420	
7,500.00	7,106.72	7,672.35	7,103.02	0.00	27.93	89.84	-1,319.63	153.01	1,321.91	1,300.97	20.95	63.108	
7,600.00	7,110.14	7,772.01	7,107.11	0.00	28.07	89.87	-1,319.38	252.53	1,321.89	1,299.67	22.22	59.496	
7,700.00	7,110.55	7,872.01	7,107.53	0.00	28.44	89.87	-1,319.14	352.53	1,321.87	1,298.17	23.70	55.778	
7,800.00	7,110.97	7,972.01	7,107.94	0.00	29.15	89.87	-1,318.89	452.53	1,321.85	1,296.52	25.33	52.176	
7,900.00	7,111.38	8,072.01	7,108.35	0.00	30.25	89.87	-1,318.64	552.53	1,321.83	1,294.73	27.11	48.763	
8,000.00	7,111.79	8,172.01	7,108.77	0.00	31.68	89.87	-1,318.40	652.53	1,321.81	1,292.82	28.99	45.591	
8,100.00	7,112.21	8,272.01	7,109.18	0.00	33.36	89.87	-1,318.15	752.53	1,321.79	1,290.82	30.97	42.680	
8,200.00	7,112.62	8,372.01	7,109.60	0.00	35.21	89.87	-1,317.91	852.52	1,321.78	1,288.75	33.02	40.027	
8,300.00	7,113.03	8,472.01	7,110.01	0.00	37.17	89.87	-1,317.66	952.52	1,321.76	1,286.62	35.14	37.617	
8,400.00	7,113.45	8,572.01	7,110.42	0.00	39.21	89.87	-1,317.42	1,052.52	1,321.74	1,284.43	37.30	35.432	
8,500.00	7,113.86	8,672.01	7,110.84	0.00	41.31	89.87	-1,317.17	1,152.52	1,321.72	1,282.20	39.51	33.451	
8,600.00	7,114.28	8,772.01	7,111.25	0.00	43.47	89.87	-1,316.93	1,252.52	1,321.70	1,279.94	41.76	31.651	
8,700.00	7,114.69	8,872.01	7,111.67	0.00	45.67	89.87	-1,316.68	1,352.52	1,321.68	1,277.64	44.03	30.015	
8,800.00	7,115.10	8,972.01	7,112.08	0.00	47.90	89.87	-1,316.43	1,452.52	1,321.66	1,275.32	46.34	28.523	
8,900.00	7,115.52	9,072.01	7,112.49	0.00	50.16	89.87	-1,316.19	1,552.52	1,321.64	1,272.98	48.66	27.160	
9,000.00	7,115.93	9,172.01	7,112.91	0.00	52.45	89.87	-1,315.94	1,652.52	1,321.62	1,270.61	51.01	25.911	
9,100.00	7,116.35	9,272.01	7,113.32	0.00	54.76	89.87	-1,315.70	1,752.51	1,321.60	1,268.23	53.37	24.765	
9,200.00	7,116.76	9,372.01	7,113.74	0.00	57.09	89.87	-1,315.45	1,852.51	1,321.58	1,265.84	55.74	23.709	
9,300.00	7,117.17	9,472.01	7,114.15	0.00	59.43	89.87	-1,315.21	1,952.51	1,321.56	1,263.43	58.13	22.735	
9,400.00	7,117.59	9,572.01	7,114.56	0.00	61.79	89.87	-1,314.96	2,052.51	1,321.54	1,261.01	60.53	21.833	
9,500.00	7,118.00	9,672.01	7,114.98	0.00	64.16	89.87	-1,314.72	2,152.51	1,321.52	1,258.58	62.94	20.997	
9,600.00	7,118.41	9,772.01	7,115.39	0.00	66.54	89.87	-1,314.47	2,252.51	1,321.50	1,256.14	65.36	20.219	
9,700.00	7,118.83	9,872.01	7,115.81	0.00	68.93	89.87	-1,314.22	2,352.51	1,321.48	1,253.70	67.78	19.495	
9,800.00	7,119.24	9,972.01	7,116.22	0.00	71.33	89.87	-1,313.98	2,452.51	1,321.46	1,251.24	70.22	18.819	
9,900.00	7,119.66	10,072.01	7,116.63	0.00	73.74	89.87	-1,313.73	2,552.50	1,321.44	1,248.78	72.66	18.187	
10,000.00	7,120.07	10,172.01	7,117.05	0.00	76.16	89.87	-1,313.49	2,652.50	1,321.42	1,246.32	75.10	17.594	
10,100.00	7,120.48	10,272.01	7,117.46	0.00	78.58	89.87	-1,313.24	2,752.50	1,321.40	1,243.85	77.56	17.038	
10,200.00	7,120.90	10,372.01	7,117.88	0.00	81.01	89.87	-1,313.00	2,852.50	1,321.38	1,241.37	80.01	16.515	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,472.01	7,118.29	0.00	83.45	89.87	-1,312.75	2,952.50	1,321.36	1,238.89	82.47	16.022	
10,400.00	7,121.73	10,572.01	7,118.70	0.00	85.89	89.87	-1,312.51	3,052.50	1,321.34	1,236.41	84.94	15.557	
10,500.00	7,122.14	10,672.01	7,119.12	0.00	88.33	89.87	-1,312.26	3,152.50	1,321.32	1,233.92	87.40	15.117	
10,600.00	7,122.55	10,772.01	7,119.53	0.00	90.78	89.87	-1,312.01	3,252.50	1,321.31	1,231.43	89.88	14.702	
10,700.00	7,122.97	10,872.01	7,119.95	0.00	93.23	89.87	-1,311.77	3,352.50	1,321.29	1,228.94	92.35	14.307	
10,800.00	7,123.38	10,972.01	7,120.36	0.00	95.69	89.87	-1,311.52	3,452.49	1,321.27	1,226.44	94.83	13.933	
10,900.00	7,123.79	11,072.01	7,120.77	0.00	98.15	89.87	-1,311.28	3,552.49	1,321.25	1,223.94	97.31	13.578	
11,000.00	7,124.21	11,172.01	7,121.19	0.00	100.62	89.87	-1,311.03	3,652.49	1,321.23	1,221.44	99.79	13.240	
11,100.00	7,124.62	11,272.01	7,121.60	0.00	103.08	89.87	-1,310.79	3,752.49	1,321.21	1,218.93	102.27	12.918	
11,200.00	7,125.04	11,372.01	7,122.02	0.00	105.55	89.87	-1,310.54	3,852.49	1,321.19	1,216.43	104.76	12.612	
11,300.00	7,125.45	11,472.01	7,122.43	0.00	108.02	89.87	-1,310.30	3,952.49	1,321.17	1,213.92	107.25	12.319	
11,400.00	7,125.86	11,572.01	7,122.84	0.00	110.50	89.87	-1,310.05	4,052.49	1,321.15	1,211.41	109.74	12.039	
11,500.00	7,126.28	11,672.01	7,123.26	0.00	112.98	89.87	-1,309.80	4,152.49	1,321.13	1,208.90	112.23	11.772	
11,600.00	7,126.69	11,772.01	7,123.67	0.00	115.46	89.87	-1,309.56	4,252.49	1,321.11	1,206.39	114.72	11.516	
11,700.00	7,127.11	11,872.01	7,124.09	0.00	117.94	89.87	-1,309.31	4,352.48	1,321.09	1,203.87	117.22	11.270	
11,800.00	7,127.52	11,972.01	7,124.50	0.00	120.42	89.87	-1,309.07	4,452.48	1,321.07	1,201.36	119.71	11.035	
11,900.00	7,127.93	12,072.01	7,124.91	0.00	122.90	89.87	-1,308.82	4,552.48	1,321.05	1,198.84	122.21	10.809	
12,000.00	7,128.35	12,172.01	7,125.33	0.00	125.39	89.87	-1,308.58	4,652.48	1,321.03	1,196.32	124.71	10.593	
12,100.00	7,128.76	12,272.01	7,125.74	0.00	127.88	89.87	-1,308.33	4,752.48	1,321.01	1,193.80	127.21	10.384	
12,200.00	7,129.18	12,372.01	7,126.16	0.00	130.37	89.87	-1,308.09	4,852.48	1,320.99	1,191.28	129.71	10.184	
12,300.00	7,129.59	12,472.01	7,126.57	0.00	132.86	89.87	-1,307.84	4,952.48	1,320.97	1,188.76	132.21	9.991	
12,400.00	7,130.00	12,572.01	7,126.98	0.00	135.35	89.87	-1,307.59	5,052.48	1,320.95	1,186.24	134.72	9.805	
12,500.00	7,130.42	12,672.01	7,127.40	0.00	137.85	89.87	-1,307.35	5,152.47	1,320.93	1,183.71	137.22	9.626	
12,600.00	7,130.83	12,772.01	7,127.81	0.00	140.34	89.87	-1,307.10	5,252.47	1,320.91	1,181.19	139.73	9.454	
12,700.00	7,131.24	12,872.01	7,128.22	0.00	142.84	89.87	-1,306.86	5,352.47	1,320.89	1,178.66	142.23	9.287	
12,800.00	7,131.66	12,972.01	7,128.64	0.00	145.33	89.87	-1,306.61	5,452.47	1,320.87	1,176.14	144.74	9.126	
12,900.00	7,132.07	13,072.01	7,129.05	0.00	147.83	89.87	-1,306.37	5,552.47	1,320.85	1,173.61	147.24	8.970	
13,000.00	7,132.49	13,172.01	7,129.47	0.00	150.33	89.87	-1,306.12	5,652.47	1,320.84	1,171.08	149.75	8.820	
13,100.00	7,132.90	13,272.01	7,129.88	0.00	152.83	89.87	-1,305.88	5,752.47	1,320.82	1,168.55	152.26	8.675	
13,200.00	7,133.31	13,372.01	7,130.29	0.00	155.33	89.87	-1,305.63	5,852.47	1,320.80	1,166.03	154.77	8.534	
13,300.00	7,133.73	13,472.01	7,130.71	0.00	157.83	89.87	-1,305.38	5,952.47	1,320.78	1,163.50	157.28	8.398	
13,400.00	7,134.14	13,572.01	7,131.12	0.00	160.33	89.87	-1,305.14	6,052.46	1,320.76	1,160.97	159.79	8.266	
13,500.00	7,134.56	13,672.01	7,131.54	0.00	162.84	89.87	-1,304.89	6,152.46	1,320.74	1,158.44	162.30	8.138	
13,600.00	7,134.97	13,772.01	7,131.95	0.00	165.34	89.87	-1,304.65	6,252.46	1,320.72	1,155.91	164.81	8.013	
13,700.00	7,135.38	13,872.01	7,132.36	0.00	167.84	89.87	-1,304.40	6,352.46	1,320.70	1,153.37	167.32	7.893	
13,800.00	7,135.80	13,972.01	7,132.78	0.00	170.35	89.87	-1,304.16	6,452.46	1,320.68	1,150.84	169.84	7.776	
13,900.00	7,136.21	14,072.01	7,133.19	0.00	172.86	89.87	-1,303.91	6,552.46	1,320.66	1,148.31	172.35	7.663	
14,000.00	7,136.62	14,172.01	7,133.61	0.00	175.36	89.87	-1,303.67	6,652.46	1,320.64	1,145.78	174.86	7.552	
14,100.00	7,137.04	14,272.01	7,134.02	0.00	177.87	89.87	-1,303.42	6,752.46	1,320.62	1,143.24	177.38	7.445	
14,200.00	7,137.45	14,372.01	7,134.43	0.00	180.38	89.87	-1,303.17	6,852.45	1,320.60	1,140.71	179.89	7.341	
14,300.00	7,137.87	14,472.01	7,134.85	0.00	182.89	89.87	-1,302.93	6,952.45	1,320.58	1,138.18	182.40	7.240	
14,400.00	7,138.28	14,572.01	7,135.26	0.00	185.39	89.87	-1,302.68	7,052.45	1,320.56	1,135.64	184.92	7.141	
14,500.00	7,138.69	14,672.01	7,135.68	0.00	187.90	89.87	-1,302.44	7,152.45	1,320.54	1,133.11	187.43	7.045	
14,600.00	7,139.11	14,772.01	7,136.09	0.00	190.41	89.87	-1,302.19	7,252.45	1,320.52	1,130.57	189.95	6.952	
14,700.00	7,139.52	14,872.01	7,136.50	0.00	192.92	89.87	-1,301.95	7,352.45	1,320.50	1,128.04	192.46	6.861	
14,800.00	7,139.94	14,972.01	7,136.92	0.00	195.43	89.87	-1,301.70	7,452.45	1,320.48	1,125.50	194.98	6.772	
14,900.00	7,140.35	15,072.01	7,137.33	0.00	197.94	89.87	-1,301.46	7,552.45	1,320.46	1,122.97	197.50	6.686	
15,000.00	7,140.76	15,172.01	7,137.75	0.00	200.46	89.87	-1,301.21	7,652.45	1,320.44	1,120.43	200.01	6.602	
15,100.00	7,141.18	15,272.01	7,138.16	0.00	202.97	89.87	-1,300.96	7,752.44	1,320.42	1,117.89	202.53	6.520	
15,200.00	7,141.59	15,372.01	7,138.57	0.00	205.48	89.87	-1,300.72	7,852.44	1,320.40	1,115.36	205.05	6.439	
15,300.00	7,142.00	15,472.01	7,138.99	0.00	207.99	89.87	-1,300.47	7,952.44	1,320.38	1,112.82	207.57	6.361	
15,400.00	7,142.42	15,572.01	7,139.40	0.00	210.50	89.87	-1,300.23	8,052.44	1,320.36	1,110.28	210.08	6.285	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	15,672.01	7,139.82	0.00	213.02	89.87	-1,299.98	8,152.44	1,320.35	1,107.74	212.60	6.210	
15,600.00	7,143.25	15,772.01	7,140.23	0.00	215.53	89.87	-1,299.74	8,252.44	1,320.33	1,105.21	215.12	6.138	
15,700.00	7,143.66	15,872.01	7,140.64	0.00	218.05	89.87	-1,299.49	8,352.44	1,320.31	1,102.67	217.64	6.067	
15,800.00	7,144.07	15,972.01	7,141.06	0.00	220.56	89.87	-1,299.25	8,452.44	1,320.29	1,100.13	220.16	5.997	
15,900.00	7,144.49	16,072.01	7,141.47	0.00	223.07	89.87	-1,299.00	8,552.44	1,320.27	1,097.59	222.67	5.929	
16,000.00	7,144.90	16,172.01	7,141.89	0.00	225.59	89.87	-1,298.75	8,652.43	1,320.25	1,095.05	225.19	5.863	
16,100.00	7,145.32	16,272.01	7,142.30	0.00	228.10	89.87	-1,298.51	8,752.43	1,320.23	1,092.51	227.71	5.798	
16,200.00	7,145.73	16,372.01	7,142.71	0.00	230.62	89.87	-1,298.26	8,852.43	1,320.21	1,089.98	230.23	5.734	
16,300.00	7,146.14	16,472.01	7,143.13	0.00	233.14	89.87	-1,298.02	8,952.43	1,320.19	1,087.44	232.75	5.672	
16,400.00	7,146.56	16,572.01	7,143.54	0.00	235.65	89.87	-1,297.77	9,052.43	1,320.17	1,084.90	235.27	5.611	
16,500.00	7,146.97	16,672.01	7,143.96	0.00	238.17	89.87	-1,297.53	9,152.43	1,320.15	1,082.36	237.79	5.552	
16,600.00	7,147.38	16,772.01	7,144.37	0.00	240.68	89.87	-1,297.28	9,252.43	1,320.13	1,079.82	240.31	5.493	
16,700.00	7,147.80	16,872.01	7,144.78	0.00	243.20	89.87	-1,297.04	9,352.43	1,320.11	1,077.28	242.83	5.436	
16,800.00	7,148.21	16,972.01	7,145.20	0.00	245.72	89.87	-1,296.79	9,452.42	1,320.09	1,074.74	245.35	5.380	
16,900.00	7,148.63	17,072.01	7,145.61	0.00	248.23	89.87	-1,296.54	9,552.42	1,320.07	1,072.20	247.87	5.326	
17,000.00	7,149.04	17,172.01	7,146.02	0.00	250.75	89.87	-1,296.30	9,652.42	1,320.05	1,069.66	250.39	5.272	
17,100.00	7,149.45	17,272.01	7,146.44	0.00	253.27	89.87	-1,296.05	9,752.42	1,320.03	1,067.12	252.91	5.219	
17,200.00	7,149.87	17,372.01	7,146.85	0.00	255.79	89.87	-1,295.81	9,852.42	1,320.01	1,064.58	255.44	5.168	
17,232.03	7,150.00	17,404.05	7,146.99	0.00	256.59	89.87	-1,295.73	9,884.45	1,320.01	1,063.76	256.24	5.151	SF

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.17	-37.63	-13.57	40.11				
100.00	100.00	97.00	100.00	0.00	0.08	-160.17	-37.63	-13.57	40.00	39.92	0.08	488.075	
200.00	200.00	197.00	200.00	0.00	0.30	-160.17	-37.63	-13.57	40.00	39.70	0.30	132.234	
300.00	300.00	297.00	300.00	0.00	0.53	-160.17	-37.63	-13.57	40.00	39.47	0.53	75.865	
400.00	399.98	396.98	399.98	0.00	0.75	-72.62	-37.63	-13.57	39.45	38.69	0.75	52.409	
500.00	499.84	496.84	499.84	0.00	0.98	-80.15	-37.63	-13.57	38.21	37.23	0.98	39.106	
582.92	582.50	579.50	582.50	0.00	1.16	-90.00	-37.63	-13.57	37.64	36.48	1.16	32.388	
600.00	599.47	596.47	599.47	0.00	1.20	-92.94	-37.63	-13.57	37.69	36.49	1.20	31.399	
700.00	699.05	696.05	699.05	0.00	1.42	-106.44	-37.63	-13.57	39.26	37.84	1.43	27.535	
800.00	798.62	795.62	798.62	0.00	1.65	-118.32	-37.63	-13.57	42.80	41.15	1.65	25.916	
900.00	898.20	896.72	899.70	0.00	1.87	-127.64	-36.67	-14.89	46.34	44.46	1.87	24.723	
1,000.00	997.77	998.16	1,001.00	0.00	2.09	-134.83	-33.60	-19.11	47.40	45.31	2.09	22.645	
1,100.00	1,097.35	1,099.65	1,102.10	0.00	2.33	-141.41	-28.42	-26.23	45.62	43.31	2.31	19.710	
1,200.00	1,196.92	1,200.31	1,202.05	0.00	2.58	-148.69	-21.38	-35.90	41.26	38.72	2.54	16.254	
1,300.00	1,296.49	1,300.04	1,301.00	0.00	2.85	-157.65	-14.06	-45.97	37.12	34.35	2.77	13.414	
1,400.00	1,396.07	1,399.77	1,399.95	0.00	3.12	-168.50	-6.74	-56.03	34.10	31.08	3.01	11.313	
1,500.00	1,495.64	1,499.49	1,498.89	0.00	3.40	179.10	0.58	-66.09	32.50	29.21	3.29	9.875	
1,547.39	1,542.83	1,546.75	1,545.78	0.00	3.54	172.93	4.05	-70.86	32.31	28.87	3.44	9.403	CC, ES
1,600.00	1,595.22	1,599.22	1,597.84	0.00	3.69	166.09	7.90	-76.15	32.54	28.94	3.61	9.025	
1,700.00	1,694.79	1,698.95	1,696.79	0.00	3.99	153.75	15.22	-86.22	34.22	30.27	3.95	8.672	
1,800.00	1,794.37	1,798.67	1,795.74	0.00	4.28	142.99	22.54	-96.28	37.31	33.02	4.29	8.694	
1,900.00	1,893.94	1,898.40	1,894.69	0.00	4.58	134.14	29.86	-106.34	41.50	36.87	4.63	8.966	
2,000.00	1,993.51	1,998.13	1,993.63	0.00	4.89	127.03	37.18	-116.40	46.49	41.54	4.95	9.385	
2,100.00	2,093.09	2,097.86	2,092.58	0.00	5.19	121.37	44.49	-126.46	52.06	46.79	5.27	9.881	
2,200.00	2,192.66	2,197.58	2,191.53	0.00	5.50	116.84	51.81	-136.53	58.03	52.46	5.57	10.409	
2,300.00	2,292.24	2,297.31	2,290.48	0.00	5.80	113.16	59.13	-146.59	64.30	58.42	5.88	10.942	
2,400.00	2,391.81	2,397.04	2,389.42	0.00	6.11	110.15	66.45	-156.65	70.78	64.61	6.17	11.465	
2,500.00	2,491.39	2,496.76	2,488.37	0.00	6.42	107.65	73.77	-166.71	77.43	70.96	6.47	11.969	
2,600.00	2,590.96	2,596.49	2,587.32	0.00	6.73	105.55	81.09	-176.78	84.19	77.43	6.76	12.450	
2,700.00	2,690.53	2,696.22	2,686.27	0.00	7.04	103.77	88.41	-186.84	91.06	84.00	7.06	12.906	
2,800.00	2,790.11	2,795.94	2,785.21	0.00	7.36	102.23	95.73	-196.90	98.00	90.65	7.35	13.338	
2,900.00	2,889.68	2,895.67	2,884.16	0.00	7.67	100.90	103.05	-206.96	105.00	97.36	7.64	13.745	
3,000.00	2,989.26	2,995.40	2,983.11	0.00	7.98	99.73	110.37	-217.02	112.05	104.12	7.93	14.129	
3,100.00	3,088.83	3,095.12	3,082.06	0.00	8.30	98.71	117.69	-227.09	119.14	110.92	8.22	14.492	
3,200.00	3,188.41	3,194.85	3,181.00	0.00	8.61	97.79	125.01	-237.15	126.27	117.76	8.51	14.833	
3,300.00	3,287.98	3,294.58	3,279.95	0.00	8.92	96.98	132.33	-247.21	133.42	124.62	8.80	15.155	
3,400.00	3,387.56	3,394.30	3,378.90	0.00	9.24	96.25	139.65	-257.27	140.60	131.51	9.09	15.459	
3,500.00	3,487.13	3,494.03	3,477.85	0.00	9.55	95.59	146.97	-267.34	147.80	138.41	9.39	15.747	
3,600.00	3,586.70	3,593.76	3,576.79	0.00	9.87	94.99	154.29	-277.40	155.01	145.34	9.68	16.018	
3,700.00	3,686.28	3,693.49	3,675.74	0.00	10.19	94.45	161.61	-287.46	162.25	152.28	9.97	16.276	
3,800.00	3,785.85	3,793.21	3,774.69	0.00	10.50	93.95	168.93	-297.52	169.49	159.23	10.26	16.520	
3,900.00	3,885.43	3,892.94	3,873.64	0.00	10.82	93.49	176.25	-307.58	176.75	166.20	10.55	16.751	
4,000.00	3,985.00	3,992.67	3,972.58	0.00	11.13	93.07	183.57	-317.65	184.01	173.17	10.84	16.971	
4,100.00	4,084.58	4,092.39	4,071.53	0.00	11.45	92.68	190.89	-327.71	191.29	180.16	11.13	17.180	
4,200.00	4,184.15	4,192.12	4,170.48	0.00	11.77	92.32	198.21	-337.77	198.57	187.15	11.43	17.379	
4,300.00	4,283.72	4,291.85	4,269.43	0.00	12.08	91.98	205.53	-347.83	205.86	194.15	11.72	17.569	
4,400.00	4,383.30	4,391.57	4,368.37	0.00	12.40	91.67	212.85	-357.90	213.16	201.15	12.01	17.750	
4,500.00	4,482.87	4,491.30	4,467.32	0.00	12.72	91.38	220.17	-367.96	220.47	208.17	12.30	17.922	
4,600.00	4,582.45	4,591.03	4,566.27	0.00	13.03	91.11	227.49	-378.02	227.78	215.18	12.59	18.087	
4,700.00	4,682.02	4,690.75	4,665.22	0.00	13.35	90.85	234.81	-388.08	235.09	222.20	12.88	18.245	
4,800.00	4,781.60	4,790.48	4,764.16	0.00	13.67	90.61	242.13	-398.14	242.41	229.23	13.18	18.396	
4,900.00	4,881.17	4,890.21	4,863.11	0.00	13.98	90.38	249.45	-408.21	249.73	236.26	13.47	18.541	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.74	4,989.93	4,962.06	0.00	14.30	90.17	256.77	-418.27	257.06	243.29	13.76	18.680	
5,100.00	5,080.32	5,089.66	5,061.01	0.00	14.62	89.97	264.09	-428.33	264.38	250.33	14.05	18.813	
5,200.00	5,179.89	5,189.39	5,159.95	0.00	14.94	89.78	271.41	-438.39	271.72	257.37	14.35	18.941	
5,300.00	5,279.47	5,289.11	5,258.90	0.00	15.25	89.60	278.73	-448.46	279.05	264.41	14.64	19.064	
5,400.00	5,379.04	5,388.84	5,357.85	0.00	15.57	89.43	286.05	-458.52	286.39	271.46	14.93	19.182	
5,500.00	5,478.62	5,488.57	5,456.80	0.00	15.89	89.26	293.37	-468.58	293.73	278.51	15.22	19.296	
5,600.00	5,578.19	5,588.30	5,555.74	0.00	16.21	89.11	300.69	-478.64	301.07	285.56	15.51	19.406	
5,700.00	5,677.77	5,688.02	5,654.69	0.00	16.53	88.96	308.01	-488.70	308.42	292.61	15.81	19.512	
5,800.00	5,777.34	5,787.75	5,753.64	0.00	16.84	88.82	315.32	-498.77	315.76	299.66	16.10	19.613	
5,900.00	5,876.91	5,887.48	5,852.59	0.00	17.16	88.68	322.64	-508.83	323.11	306.72	16.39	19.712	
6,000.00	5,976.49	5,987.20	5,951.53	0.00	17.48	88.56	329.96	-518.89	330.46	313.78	16.68	19.807	
6,100.00	6,076.06	6,090.35	6,053.93	0.00	17.79	88.48	337.30	-528.98	337.59	320.62	16.97	19.895	
6,200.00	6,175.64	6,197.91	6,161.05	0.00	18.02	88.86	342.96	-536.76	342.80	325.59	17.21	19.916	
6,300.00	6,275.24	6,305.46	6,268.44	0.00	18.22	89.74	346.26	-541.29	345.80	328.35	17.45	19.813	
6,400.00	6,375.13	6,412.14	6,375.11	0.00	18.37	-89.40	347.19	-542.48	346.65	329.02	17.63	19.661	
6,500.00	6,474.53	6,512.05	6,474.57	0.00	18.45	-89.97	347.21	-533.95	346.63	328.93	17.70	19.583	
6,600.00	6,571.72	6,612.15	6,572.07	0.00	18.43	-90.16	347.27	-511.62	346.61	328.90	17.71	19.573	
6,700.00	6,665.06	6,712.33	6,665.57	0.00	18.33	-90.18	347.35	-475.90	346.59	328.90	17.70	19.583	
6,800.00	6,752.94	6,812.44	6,753.12	0.00	18.17	-90.05	347.47	-427.52	346.58	328.86	17.72	19.555	
6,888.57	6,825.00	6,900.96	6,824.26	0.00	18.02	-89.80	347.60	-374.94	346.57	328.75	17.82	19.447	
6,900.00	6,833.85	6,912.36	6,832.94	0.00	18.00	-89.77	347.62	-367.54	346.57	328.73	17.85	19.420	
7,000.00	6,906.42	7,011.97	6,903.43	0.00	17.85	-89.34	347.79	-297.28	346.59	328.45	18.14	19.110	
7,100.00	6,969.40	7,111.14	6,963.26	0.00	17.77	-88.79	347.98	-218.29	346.64	327.98	18.66	18.573	
7,200.00	7,021.72	7,210.64	7,013.95	0.00	17.87	-88.52	348.19	-132.69	346.69	327.23	19.46	17.819	
7,300.00	7,062.47	7,309.59	7,057.39	0.00	18.30	-89.10	348.41	-43.87	346.62	326.10	20.53	16.887	
7,400.00	7,090.97	7,408.98	7,088.28	0.00	19.12	-89.54	348.64	50.52	346.60	324.68	21.92	15.811	
7,413.36	7,093.82	7,422.29	7,091.41	0.00	19.26	-89.59	348.67	63.45	346.60	324.47	22.14	15.658	
7,500.00	7,106.72	7,508.72	7,105.86	0.00	20.26	-89.86	348.88	148.61	346.61	322.99	23.62	14.677	
7,600.00	7,110.14	7,608.67	7,110.10	0.00	21.65	-89.99	349.13	248.41	346.63	321.09	25.54	13.571	
7,700.00	7,110.55	7,708.67	7,110.49	0.00	23.21	-89.99	349.38	348.41	346.65	319.00	27.65	12.535	
7,800.00	7,110.97	7,808.67	7,110.88	0.00	24.94	-89.99	349.63	448.41	346.68	316.75	29.93	11.584	
7,900.00	7,111.38	7,908.67	7,111.27	0.00	26.79	-89.98	349.88	548.41	346.70	314.37	32.33	10.723	
8,000.00	7,111.79	8,008.67	7,111.66	0.00	28.74	-89.98	350.13	648.41	346.72	311.88	34.84	9.951	
8,100.00	7,112.21	8,108.67	7,112.05	0.00	30.78	-89.97	350.38	748.41	346.74	309.31	37.44	9.262	
8,200.00	7,112.62	8,208.67	7,112.44	0.00	32.88	-89.97	350.62	848.40	346.77	306.66	40.10	8.647	
8,300.00	7,113.03	8,308.67	7,112.82	0.00	35.04	-89.97	350.87	948.40	346.79	303.96	42.83	8.098	
8,400.00	7,113.45	8,408.67	7,113.21	0.00	37.24	-89.96	351.12	1,048.40	346.81	301.21	45.60	7.606	
8,500.00	7,113.86	8,508.67	7,113.60	0.00	39.48	-89.96	351.37	1,148.40	346.83	298.43	48.41	7.165	
8,600.00	7,114.28	8,608.67	7,113.99	0.00	41.75	-89.95	351.62	1,248.40	346.86	295.61	51.25	6.768	
8,700.00	7,114.69	8,708.67	7,114.38	0.00	44.05	-89.95	351.87	1,348.40	346.88	292.76	54.12	6.410	
8,800.00	7,115.10	8,808.67	7,114.77	0.00	46.38	-89.94	352.12	1,448.40	346.90	289.89	57.01	6.085	
8,900.00	7,115.52	8,908.67	7,115.16	0.00	48.72	-89.94	352.36	1,548.40	346.92	287.00	59.93	5.789	
9,000.00	7,115.93	9,008.67	7,115.55	0.00	51.08	-89.94	352.61	1,648.40	346.95	284.09	62.86	5.520	
9,100.00	7,116.35	9,108.67	7,115.94	0.00	53.46	-89.93	352.86	1,748.39	346.97	281.17	65.80	5.273	
9,200.00	7,116.76	9,208.67	7,116.33	0.00	55.84	-89.93	353.11	1,848.39	346.99	278.23	68.76	5.046	
9,300.00	7,117.17	9,308.67	7,116.71	0.00	58.24	-89.92	353.36	1,948.39	347.02	275.28	71.73	4.838	
9,400.00	7,117.59	9,408.67	7,117.10	0.00	60.66	-89.92	353.61	2,048.39	347.04	272.32	74.72	4.645	
9,500.00	7,118.00	9,508.67	7,117.49	0.00	63.08	-89.92	353.86	2,148.39	347.06	269.35	77.71	4.466	
9,600.00	7,118.41	9,608.67	7,117.88	0.00	65.50	-89.91	354.11	2,248.39	347.08	266.38	80.70	4.301	
9,700.00	7,118.83	9,708.67	7,118.27	0.00	67.94	-89.91	354.35	2,348.39	347.11	263.40	83.71	4.147	
9,800.00	7,119.24	9,808.67	7,118.66	0.00	70.38	-89.90	354.60	2,448.39	347.13	260.41	86.72	4.003	
9,900.00	7,119.66	9,908.67	7,119.05	0.00	72.83	-89.90	354.85	2,548.39	347.15	257.41	89.74	3.868	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	7,120.07	10,008.67	7,119.44	0.00	75.28	-89.90	355.10	2,648.39	347.17	254.41	92.76	3.743	
10,100.00	7,120.48	10,108.67	7,119.83	0.00	77.74	-89.89	355.35	2,748.38	347.20	251.41	95.79	3.625	
10,200.00	7,120.90	10,208.67	7,120.22	0.00	80.20	-89.89	355.60	2,848.38	347.22	248.40	98.82	3.514	
10,300.00	7,121.31	10,308.67	7,120.60	0.00	82.66	-89.88	355.85	2,948.38	347.24	245.38	101.86	3.409	
10,400.00	7,121.73	10,408.67	7,120.99	0.00	85.13	-89.88	356.09	3,048.38	347.27	242.37	104.90	3.310	
10,500.00	7,122.14	10,508.67	7,121.38	0.00	87.61	-89.88	356.34	3,148.38	347.29	239.35	107.94	3.217	
10,600.00	7,122.55	10,608.67	7,121.77	0.00	90.08	-89.87	356.59	3,248.38	347.31	236.32	110.99	3.129	
10,700.00	7,122.97	10,708.67	7,122.16	0.00	92.56	-89.87	356.84	3,348.38	347.33	233.30	114.04	3.046	
10,800.00	7,123.38	10,808.67	7,122.55	0.00	95.04	-89.86	357.09	3,448.38	347.36	230.27	117.09	2.967	
10,900.00	7,123.79	10,908.67	7,122.94	0.00	97.52	-89.86	357.34	3,548.38	347.38	227.24	120.14	2.891	
11,000.00	7,124.21	11,008.67	7,123.33	0.00	100.01	-89.85	357.59	3,648.37	347.40	224.20	123.20	2.820	
11,100.00	7,124.62	11,108.67	7,123.72	0.00	102.50	-89.85	357.83	3,748.37	347.42	221.17	126.25	2.752	
11,200.00	7,125.04	11,208.67	7,124.11	0.00	104.99	-89.85	358.08	3,848.37	347.45	218.13	129.31	2.687	
11,300.00	7,125.45	11,308.67	7,124.49	0.00	107.48	-89.84	358.33	3,948.37	347.47	215.09	132.38	2.625	
11,400.00	7,125.86	11,408.67	7,124.88	0.00	109.97	-89.84	358.58	4,048.37	347.49	212.05	135.44	2.566	
11,500.00	7,126.28	11,508.67	7,125.27	0.00	112.47	-89.83	358.83	4,148.37	347.52	209.01	138.50	2.509	
11,600.00	7,126.69	11,608.67	7,125.66	0.00	114.96	-89.83	359.08	4,248.37	347.54	205.97	141.57	2.455	
11,700.00	7,127.11	11,708.67	7,126.05	0.00	117.46	-89.83	359.33	4,348.37	347.56	202.93	144.64	2.403	
11,800.00	7,127.52	11,808.67	7,126.44	0.00	119.96	-89.82	359.58	4,448.37	347.58	199.88	147.70	2.353	
11,900.00	7,127.93	11,908.67	7,126.83	0.00	122.46	-89.82	359.82	4,548.36	347.61	196.83	150.77	2.305	
12,000.00	7,128.35	12,008.67	7,127.22	0.00	124.96	-89.81	360.07	4,648.36	347.63	193.79	153.84	2.260	
12,100.00	7,128.76	12,108.67	7,127.61	0.00	127.46	-89.81	360.32	4,748.36	347.65	190.74	156.92	2.216	
12,200.00	7,129.18	12,208.67	7,128.00	0.00	129.96	-89.81	360.57	4,848.36	347.67	187.69	159.99	2.173	
12,300.00	7,129.59	12,308.67	7,128.38	0.00	132.47	-89.80	360.82	4,948.36	347.70	184.64	163.06	2.132	
12,400.00	7,130.00	12,408.67	7,128.77	0.00	134.97	-89.80	361.07	5,048.36	347.72	181.58	166.14	2.093	
12,500.00	7,130.42	12,508.67	7,129.16	0.00	137.48	-89.79	361.32	5,148.36	347.74	178.53	169.21	2.055	
12,600.00	7,130.83	12,608.67	7,129.55	0.00	139.98	-89.79	361.56	5,248.36	347.77	175.48	172.29	2.019	
12,700.00	7,131.24	12,708.67	7,129.94	0.00	142.49	-89.79	361.81	5,348.36	347.79	172.43	175.36	1.983	
12,800.00	7,131.66	12,808.67	7,130.33	0.00	145.00	-89.78	362.06	5,448.36	347.81	169.37	178.44	1.949	
12,900.00	7,132.07	12,908.67	7,130.72	0.00	147.51	-89.78	362.31	5,548.35	347.83	166.32	181.52	1.916	
13,000.00	7,132.49	13,008.67	7,131.11	0.00	150.02	-89.77	362.56	5,648.35	347.86	163.26	184.60	1.884	
13,100.00	7,132.90	13,108.67	7,131.50	0.00	152.53	-89.77	362.81	5,748.35	347.88	160.20	187.68	1.854	
13,200.00	7,133.31	13,208.67	7,131.89	0.00	155.04	-89.76	363.06	5,848.35	347.90	157.15	190.76	1.824	
13,300.00	7,133.73	13,308.67	7,132.27	0.00	157.55	-89.76	363.31	5,948.35	347.93	154.09	193.84	1.795	
13,400.00	7,134.14	13,408.67	7,132.66	0.00	160.06	-89.76	363.55	6,048.35	347.95	151.03	196.92	1.767	
13,500.00	7,134.56	13,508.67	7,133.05	0.00	162.57	-89.75	363.80	6,148.35	347.97	147.97	200.00	1.740	
13,600.00	7,134.97	13,608.67	7,133.44	0.00	165.08	-89.75	364.05	6,248.35	347.99	144.91	203.08	1.714	
13,700.00	7,135.38	13,708.67	7,133.83	0.00	167.60	-89.74	364.30	6,348.35	348.02	141.85	206.16	1.688	
13,800.00	7,135.80	13,808.67	7,134.22	0.00	170.11	-89.74	364.55	6,448.34	348.04	138.79	209.24	1.663	
13,900.00	7,136.21	13,908.67	7,134.61	0.00	172.62	-89.74	364.80	6,548.34	348.06	135.73	212.33	1.639	
14,000.00	7,136.62	14,008.67	7,135.00	0.00	175.14	-89.73	365.05	6,648.34	348.08	132.67	215.41	1.616	
14,100.00	7,137.04	14,108.67	7,135.39	0.00	177.65	-89.73	365.29	6,748.34	348.11	129.61	218.50	1.593	
14,200.00	7,137.45	14,208.67	7,135.78	0.00	180.17	-89.72	365.54	6,848.34	348.13	126.55	221.58	1.571	
14,300.00	7,137.87	14,308.67	7,136.16	0.00	182.68	-89.72	365.79	6,948.34	348.15	123.49	224.66	1.550	
14,400.00	7,138.28	14,408.67	7,136.55	0.00	185.20	-89.72	366.04	7,048.34	348.18	120.43	227.75	1.529	
14,500.00	7,138.69	14,508.67	7,136.94	0.00	187.71	-89.71	366.29	7,148.34	348.20	117.36	230.83	1.508	
14,600.00	7,139.11	14,608.67	7,137.33	0.00	190.23	-89.71	366.54	7,248.34	348.22	114.30	233.92	1.489	Monitor
14,700.00	7,139.52	14,708.67	7,137.72	0.00	192.75	-89.70	366.79	7,348.34	348.24	111.24	237.00	1.469	Monitor
14,800.00	7,139.94	14,808.67	7,138.11	0.00	195.26	-89.70	367.04	7,448.33	348.27	108.18	240.09	1.451	Monitor
14,900.00	7,140.35	14,908.67	7,138.50	0.00	197.78	-89.70	367.28	7,548.33	348.29	105.11	243.18	1.432	Monitor
15,000.00	7,140.76	15,008.67	7,138.89	0.00	200.30	-89.69	367.53	7,648.33	348.31	102.05	246.26	1.414	Monitor
15,100.00	7,141.18	15,108.67	7,139.28	0.00	202.82	-89.69	367.78	7,748.33	348.34	98.99	249.35	1.397	Monitor

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,200.00	7,141.59	15,208.67	7,139.67	0.00	205.33	-89.68	368.03	7,848.33	348.36	95.92	252.44	1.380	Monitor
15,300.00	7,142.00	15,308.67	7,140.05	0.00	207.85	-89.68	368.28	7,948.33	348.38	92.86	255.52	1.363	Monitor
15,400.00	7,142.42	15,408.67	7,140.44	0.00	210.37	-89.68	368.53	8,048.33	348.40	89.79	258.61	1.347	Monitor
15,500.00	7,142.83	15,508.67	7,140.83	0.00	212.89	-89.67	368.78	8,148.33	348.43	86.73	261.70	1.331	Monitor
15,600.00	7,143.25	15,608.67	7,141.22	0.00	215.41	-89.67	369.02	8,248.33	348.45	83.66	264.79	1.316	Monitor
15,700.00	7,143.66	15,708.67	7,141.61	0.00	217.93	-89.66	369.27	8,348.32	348.47	80.60	267.88	1.301	Monitor
15,800.00	7,144.07	15,808.67	7,142.00	0.00	220.45	-89.66	369.52	8,448.32	348.49	77.53	270.96	1.286	Monitor
15,900.00	7,144.49	15,908.67	7,142.39	0.00	222.97	-89.65	369.77	8,548.32	348.52	74.47	274.05	1.272	Monitor
16,000.00	7,144.90	16,008.67	7,142.78	0.00	225.49	-89.65	370.02	8,648.32	348.54	71.40	277.14	1.258	Monitor
16,100.00	7,145.32	16,108.67	7,143.17	0.00	228.01	-89.65	370.27	8,748.32	348.56	68.33	280.23	1.244	Shut In Offsets
16,200.00	7,145.73	16,208.67	7,143.56	0.00	230.53	-89.64	370.52	8,848.32	348.59	65.27	283.32	1.230	Shut In Offsets
16,300.00	7,146.14	16,308.67	7,143.94	0.00	233.05	-89.64	370.76	8,948.32	348.61	62.20	286.41	1.217	Shut In Offsets
16,400.00	7,146.56	16,408.67	7,144.33	0.00	235.57	-89.63	371.01	9,048.32	348.63	59.14	289.50	1.204	Shut In Offsets
16,500.00	7,146.97	16,508.67	7,144.72	0.00	238.09	-89.63	371.26	9,148.32	348.65	56.07	292.59	1.192	Shut In Offsets
16,547.57	7,147.17	16,556.24	7,144.91	0.00	239.29	-89.63	371.38	9,195.89	348.67	54.61	294.06	1.186	Shut In Offsets, SF
16,600.00	7,147.38	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	349.84	55.04	294.80	1.187	Shut In Offsets
16,700.00	7,147.80	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	371.62	76.83	294.80	1.261	Monitor
16,800.00	7,148.21	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	416.91	122.12	294.80	1.414	Monitor
16,900.00	7,148.63	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	479.10	184.30	294.80	1.625	
17,000.00	7,149.04	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	552.49	257.70	294.80	1.874	
17,100.00	7,149.45	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	633.22	338.42	294.80	2.148	
17,200.00	7,149.87	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	718.80	424.01	294.80	2.438	
17,232.03	7,150.00	16,580.17	7,145.00	0.00	239.89	-89.63	371.44	9,219.82	746.98	452.18	294.80	2.534	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-56.44	-20.34	60.07				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-56.44	-20.34	59.99	59.91	0.08	731.993	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-56.44	-20.34	59.99	59.69	0.30	198.318	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-56.44	-20.34	59.99	59.47	0.53	113.779	
400.00	399.98	396.98	399.98	0.00	0.75	-71.83	-56.44	-20.34	59.43	58.67	0.75	78.948	
500.00	499.84	496.84	499.84	0.00	0.98	-76.77	-56.44	-20.34	58.01	57.03	0.98	59.338	
600.00	599.47	596.47	599.47	0.00	1.20	-85.15	-56.44	-20.34	56.66	55.46	1.20	47.197	
652.21	651.46	648.46	651.46	0.00	1.32	-90.00	-56.44	-20.34	56.46	55.14	1.32	42.862	CC, ES
700.00	699.05	696.05	699.05	0.00	1.42	-94.44	-56.44	-20.34	56.63	55.21	1.42	39.760	
800.00	798.62	795.62	798.62	0.00	1.65	-103.51	-56.44	-20.34	58.08	56.43	1.65	35.224	
900.00	898.20	895.20	898.20	0.00	1.87	-111.94	-56.44	-20.34	60.90	59.03	1.87	32.509	
1,000.00	997.77	994.77	997.77	0.00	2.10	-119.48	-56.44	-20.34	64.92	62.83	2.10	30.951	
1,100.00	1,097.35	1,094.70	1,097.68	0.00	2.30	-124.80	-57.14	-21.74	69.69	67.39	2.30	30.259	
1,200.00	1,196.92	1,194.98	1,197.83	0.00	2.50	-126.80	-59.40	-26.28	74.28	71.78	2.50	29.753	
1,300.00	1,296.49	1,295.36	1,297.83	0.00	2.70	-126.04	-63.23	-33.95	78.28	75.58	2.70	28.952	
1,400.00	1,396.07	1,395.32	1,397.20	0.00	2.93	-123.75	-68.07	-43.68	81.97	79.05	2.93	27.981	
1,500.00	1,495.64	1,495.20	1,496.49	0.00	3.17	-121.62	-72.94	-53.45	85.78	82.61	3.17	27.066	
1,600.00	1,595.22	1,595.08	1,595.77	0.00	3.42	-119.67	-77.81	-63.22	89.69	86.27	3.42	26.229	
1,700.00	1,694.79	1,694.96	1,695.05	0.00	3.68	-117.89	-82.68	-72.99	93.70	90.02	3.68	25.473	
1,800.00	1,794.37	1,794.84	1,794.33	0.00	3.94	-116.25	-87.55	-82.75	97.79	93.85	3.94	24.797	
1,900.00	1,893.94	1,894.72	1,893.61	0.00	4.22	-114.75	-92.42	-92.52	101.96	97.74	4.21	24.195	
2,000.00	1,993.51	1,994.59	1,992.89	0.00	4.49	-113.37	-97.29	-102.29	106.18	101.70	4.49	23.659	
2,100.00	2,093.09	2,094.47	2,092.17	0.00	4.77	-112.09	-102.16	-112.06	110.47	105.70	4.77	23.182	
2,200.00	2,192.66	2,194.35	2,191.45	0.00	5.05	-110.91	-107.03	-121.83	114.81	109.76	5.05	22.756	
2,300.00	2,292.24	2,294.23	2,290.73	0.00	5.34	-109.81	-111.90	-131.60	119.19	113.86	5.33	22.376	
2,400.00	2,391.81	2,394.11	2,390.01	0.00	5.62	-108.79	-116.77	-141.37	123.61	118.00	5.61	22.036	
2,500.00	2,491.39	2,493.99	2,489.29	0.00	5.91	-107.85	-121.64	-151.14	128.07	122.17	5.89	21.730	
2,600.00	2,590.96	2,593.87	2,588.57	0.00	6.20	-106.97	-126.50	-160.90	132.56	126.38	6.18	21.455	
2,700.00	2,690.53	2,693.75	2,687.86	0.00	6.49	-106.14	-131.37	-170.67	137.08	130.61	6.46	21.206	
2,800.00	2,790.11	2,793.63	2,787.14	0.00	6.79	-105.37	-136.24	-180.44	141.62	134.87	6.75	20.981	
2,900.00	2,889.68	2,893.51	2,886.42	0.00	7.08	-104.65	-141.11	-190.21	146.19	139.16	7.04	20.776	
3,000.00	2,989.26	2,993.38	2,985.70	0.00	7.37	-103.97	-145.98	-199.98	150.79	143.46	7.32	20.590	
3,100.00	3,088.83	3,093.26	3,084.98	0.00	7.67	-103.33	-150.85	-209.75	155.40	147.79	7.61	20.419	
3,200.00	3,188.41	3,193.14	3,184.26	0.00	7.97	-102.72	-155.72	-219.52	160.03	152.13	7.90	20.263	
3,300.00	3,287.98	3,293.02	3,283.54	0.00	8.26	-102.16	-160.59	-229.28	164.68	156.49	8.19	20.119	
3,400.00	3,387.56	3,392.90	3,382.82	0.00	8.56	-101.62	-165.46	-239.05	169.34	160.87	8.47	19.987	
3,500.00	3,487.13	3,492.78	3,482.10	0.00	8.86	-101.11	-170.33	-248.82	174.02	165.26	8.76	19.865	
3,600.00	3,586.70	3,592.66	3,581.38	0.00	9.16	-100.63	-175.20	-258.59	178.71	169.66	9.05	19.752	
3,700.00	3,686.28	3,692.54	3,680.66	0.00	9.46	-100.17	-180.07	-268.36	183.41	174.07	9.33	19.647	
3,800.00	3,785.85	3,792.42	3,779.94	0.00	9.76	-99.74	-184.94	-278.13	188.12	178.50	9.62	19.550	
3,900.00	3,885.43	3,892.30	3,879.22	0.00	10.06	-99.32	-189.80	-287.90	192.84	182.93	9.91	19.460	
4,000.00	3,985.00	3,992.17	3,978.51	0.00	10.36	-98.93	-194.67	-297.67	197.58	187.38	10.20	19.375	
4,100.00	4,084.58	4,092.05	4,077.79	0.00	10.66	-98.55	-199.54	-307.43	202.32	191.83	10.48	19.296	
4,200.00	4,184.15	4,191.93	4,177.07	0.00	10.96	-98.20	-204.41	-317.20	207.07	196.29	10.77	19.222	
4,300.00	4,283.72	4,291.81	4,276.35	0.00	11.26	-97.86	-209.28	-326.97	211.82	200.76	11.06	19.153	
4,400.00	4,383.30	4,391.69	4,375.63	0.00	11.56	-97.53	-214.15	-336.74	216.59	205.24	11.35	19.088	
4,500.00	4,482.87	4,491.57	4,474.91	0.00	11.86	-97.22	-219.02	-346.51	221.36	209.72	11.63	19.027	
4,600.00	4,582.45	4,591.45	4,574.19	0.00	12.16	-96.92	-223.89	-356.28	226.14	214.21	11.92	18.970	
4,700.00	4,682.02	4,691.33	4,673.47	0.00	12.47	-96.63	-228.76	-366.05	230.92	218.71	12.21	18.915	
4,800.00	4,781.60	4,791.21	4,772.75	0.00	12.77	-96.35	-233.63	-375.82	235.71	223.21	12.49	18.864	
4,900.00	4,881.17	4,891.09	4,872.03	0.00	13.07	-96.09	-238.50	-385.58	240.50	227.72	12.78	18.816	
5,000.00	4,980.74	4,990.96	4,971.31	0.00	13.37	-95.84	-243.37	-395.35	245.30	232.23	13.07	18.770	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	5,090.84	5,070.59	0.00	13.67	-95.59	-248.24	-405.12	250.10	236.75	13.36	18.726	
5,200.00	5,179.89	5,190.72	5,169.88	0.00	13.98	-95.36	-253.11	-414.89	254.91	241.27	13.64	18.685	
5,300.00	5,279.47	5,290.60	5,269.16	0.00	14.28	-95.13	-257.97	-424.66	259.72	245.80	13.93	18.646	
5,400.00	5,379.04	5,390.48	5,368.44	0.00	14.58	-94.91	-262.84	-434.43	264.54	250.32	14.22	18.609	
5,500.00	5,478.62	5,490.36	5,467.72	0.00	14.89	-94.70	-267.71	-444.20	269.36	254.86	14.50	18.573	
5,600.00	5,578.19	5,590.24	5,567.00	0.00	15.19	-94.50	-272.58	-453.97	274.18	259.39	14.79	18.540	
5,700.00	5,677.77	5,690.12	5,666.28	0.00	15.49	-94.30	-277.45	-463.73	279.01	263.93	15.08	18.507	
5,800.00	5,777.34	5,790.00	5,765.56	0.00	15.80	-94.11	-282.32	-473.50	283.84	268.48	15.36	18.477	
5,900.00	5,876.91	5,889.88	5,864.84	0.00	16.10	-93.93	-287.19	-483.27	288.67	273.02	15.65	18.447	
6,000.00	5,976.49	5,989.75	5,964.12	0.00	16.40	-93.75	-292.06	-493.04	293.51	277.57	15.93	18.419	
6,100.00	6,076.06	6,089.63	6,063.40	0.00	16.71	-93.58	-296.93	-502.81	298.35	282.12	16.22	18.392	
6,200.00	6,175.64	6,189.51	6,162.68	0.00	17.01	-93.42	-301.80	-512.58	303.19	286.68	16.51	18.367	
6,300.00	6,275.24	6,290.78	6,263.36	0.00	17.30	-93.27	-306.65	-522.31	307.94	291.16	16.79	18.345	
6,400.00	6,375.13	6,395.07	6,367.32	0.00	17.52	87.96	-310.36	-529.76	311.29	294.31	16.98	18.337	
6,500.00	6,474.53	6,498.81	6,470.96	0.00	17.70	90.26	-312.38	-533.80	312.98	295.93	17.05	18.355	
6,600.00	6,571.72	6,600.61	6,572.74	0.00	17.86	94.47	-312.79	-534.05	314.40	297.39	17.01	18.480	
6,700.00	6,665.06	6,702.82	6,674.22	0.00	17.92	98.86	-312.76	-522.66	317.42	300.58	16.84	18.852	
6,800.00	6,752.94	6,809.23	6,777.04	0.00	17.88	102.96	-312.69	-495.59	322.04	305.50	16.54	19.469	
6,900.00	6,833.85	6,920.02	6,878.58	0.00	17.77	106.64	-312.59	-451.57	327.71	311.56	16.15	20.290	
7,000.00	6,906.42	7,035.15	6,975.60	0.00	17.61	109.82	-312.44	-389.83	333.78	318.05	15.73	21.221	
7,100.00	6,969.40	7,154.35	7,064.30	0.00	17.48	112.42	-312.24	-310.40	339.55	324.16	15.38	22.072	
7,200.00	7,021.72	7,277.09	7,140.57	0.00	17.49	114.36	-312.01	-214.43	344.36	329.08	15.28	22.534	
7,300.00	7,062.47	7,386.40	7,196.41	0.00	17.73	115.88	-311.78	-120.47	349.24	333.80	15.44	22.614	
7,400.00	7,090.97	7,514.25	7,249.37	0.00	18.47	118.02	-311.49	-4.30	355.56	339.62	15.94	22.304	
7,500.00	7,106.72	7,645.52	7,281.40	0.00	19.77	119.38	-311.18	122.82	359.82	342.86	16.96	21.213	
7,600.00	7,110.14	7,772.30	7,290.09	0.00	21.45	119.87	-310.87	249.15	361.37	342.96	18.40	19.635	
7,700.00	7,110.55	7,872.30	7,290.60	0.00	23.01	119.88	-310.62	349.15	361.39	341.60	19.79	18.263	
7,800.00	7,110.97	7,972.30	7,291.10	0.00	24.72	119.89	-310.37	449.15	361.41	340.11	21.30	16.966	
7,900.00	7,111.38	8,072.30	7,291.60	0.00	26.56	119.91	-310.12	549.15	361.44	338.50	22.93	15.761	
8,000.00	7,111.79	8,172.30	7,292.10	0.00	28.51	119.92	-309.87	649.14	361.46	336.80	24.65	14.661	
8,100.00	7,112.21	8,272.30	7,292.60	0.00	30.54	119.94	-309.62	749.14	361.48	335.03	26.45	13.666	
8,200.00	7,112.62	8,372.30	7,293.10	0.00	32.64	119.95	-309.37	849.14	361.51	333.20	28.31	12.771	
8,300.00	7,113.03	8,472.30	7,293.60	0.00	34.80	119.96	-309.13	949.14	361.53	331.32	30.21	11.966	
8,400.00	7,113.45	8,572.30	7,294.10	0.00	37.00	119.98	-308.88	1,049.14	361.55	329.40	32.16	11.243	
8,500.00	7,113.86	8,672.30	7,294.60	0.00	39.25	119.99	-308.63	1,149.14	361.58	327.44	34.14	10.592	
8,600.00	7,114.28	8,772.30	7,295.10	0.00	41.52	120.00	-308.38	1,249.14	361.60	325.46	36.14	10.005	
8,700.00	7,114.69	8,872.30	7,295.60	0.00	43.83	120.02	-308.13	1,349.13	361.63	323.45	38.17	9.473	
8,800.00	7,115.10	8,972.30	7,296.10	0.00	46.15	120.03	-307.88	1,449.13	361.65	321.43	40.22	8.992	
8,900.00	7,115.52	9,072.30	7,296.60	0.00	48.50	120.05	-307.63	1,549.13	361.67	319.39	42.29	8.553	
9,000.00	7,115.93	9,172.30	7,297.10	0.00	50.86	120.06	-307.39	1,649.13	361.70	317.33	44.37	8.153	
9,100.00	7,116.35	9,272.30	7,297.60	0.00	53.24	120.07	-307.14	1,749.13	361.72	315.26	46.46	7.786	
9,200.00	7,116.76	9,372.30	7,298.10	0.00	55.63	120.09	-306.89	1,849.13	361.74	313.19	48.56	7.450	
9,300.00	7,117.17	9,472.30	7,298.60	0.00	58.04	120.10	-306.64	1,949.12	361.77	311.10	50.67	7.140	
9,400.00	7,117.59	9,572.30	7,299.10	0.00	60.45	120.11	-306.39	2,049.12	361.79	309.00	52.79	6.854	
9,500.00	7,118.00	9,672.30	7,299.60	0.00	62.87	120.13	-306.14	2,149.12	361.82	306.90	54.91	6.589	
9,600.00	7,118.41	9,772.30	7,300.10	0.00	65.30	120.14	-305.89	2,249.12	361.84	304.79	57.05	6.343	
9,700.00	7,118.83	9,872.30	7,300.60	0.00	67.74	120.15	-305.65	2,349.12	361.86	302.68	59.18	6.114	
9,800.00	7,119.24	9,972.30	7,301.10	0.00	70.18	120.17	-305.40	2,449.12	361.89	300.56	61.33	5.901	
9,900.00	7,119.66	10,072.30	7,301.61	0.00	72.63	120.18	-305.15	2,549.11	361.91	298.44	63.47	5.702	
10,000.00	7,120.07	10,172.30	7,302.11	0.00	75.09	120.20	-304.90	2,649.11	361.94	296.31	65.62	5.515	
10,100.00	7,120.48	10,272.30	7,302.61	0.00	77.55	120.21	-304.65	2,749.11	361.96	294.18	67.78	5.340	
10,200.00	7,120.90	10,372.30	7,303.11	0.00	80.01	120.22	-304.40	2,849.11	361.98	292.05	69.93	5.176	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,472.30	7,303.61	0.00	82.48	120.24	-304.15	2,949.11	362.01	289.91	72.09	5.021	
10,400.00	7,121.73	10,572.30	7,304.11	0.00	84.95	120.25	-303.91	3,049.11	362.03	287.78	74.25	4.876	
10,500.00	7,122.14	10,672.30	7,304.61	0.00	87.42	120.26	-303.66	3,149.10	362.06	285.64	76.42	4.738	
10,600.00	7,122.55	10,772.30	7,305.11	0.00	89.90	120.28	-303.41	3,249.10	362.08	283.50	78.58	4.608	
10,700.00	7,122.97	10,872.30	7,305.61	0.00	92.38	120.29	-303.16	3,349.10	362.10	281.35	80.75	4.484	
10,800.00	7,123.38	10,972.30	7,306.11	0.00	94.86	120.30	-302.91	3,449.10	362.13	279.21	82.92	4.367	
10,900.00	7,123.79	11,072.30	7,306.61	0.00	97.35	120.32	-302.66	3,549.10	362.15	277.06	85.09	4.256	
11,000.00	7,124.21	11,172.30	7,307.11	0.00	99.83	120.33	-302.41	3,649.10	362.18	274.91	87.26	4.150	
11,100.00	7,124.62	11,272.30	7,307.61	0.00	102.32	120.35	-302.17	3,749.10	362.20	272.76	89.44	4.050	
11,200.00	7,125.04	11,372.30	7,308.11	0.00	104.81	120.36	-301.92	3,849.09	362.23	270.62	91.61	3.954	
11,300.00	7,125.45	11,472.30	7,308.61	0.00	107.30	120.37	-301.67	3,949.09	362.25	268.46	93.78	3.863	
11,400.00	7,125.86	11,572.30	7,309.11	0.00	109.80	120.39	-301.42	4,049.09	362.27	266.31	95.96	3.775	
11,500.00	7,126.28	11,672.30	7,309.61	0.00	112.29	120.40	-301.17	4,149.09	362.30	264.16	98.14	3.692	
11,600.00	7,126.69	11,772.30	7,310.11	0.00	114.79	120.41	-300.92	4,249.09	362.32	262.01	100.31	3.612	
11,700.00	7,127.11	11,872.30	7,310.61	0.00	117.29	120.43	-300.67	4,349.09	362.35	259.86	102.49	3.535	
11,800.00	7,127.52	11,972.30	7,311.11	0.00	119.79	120.44	-300.43	4,449.08	362.37	257.70	104.67	3.462	
11,900.00	7,127.93	12,072.30	7,311.61	0.00	122.29	120.45	-300.18	4,549.08	362.40	255.55	106.85	3.392	
12,000.00	7,128.35	12,172.30	7,312.11	0.00	124.79	120.47	-299.93	4,649.08	362.42	253.40	109.02	3.324	
12,100.00	7,128.76	12,272.30	7,312.62	0.00	127.29	120.48	-299.68	4,749.08	362.44	251.24	111.20	3.259	
12,200.00	7,129.18	12,372.30	7,313.12	0.00	129.80	120.50	-299.43	4,849.08	362.47	249.09	113.38	3.197	
12,300.00	7,129.59	12,472.30	7,313.62	0.00	132.30	120.51	-299.18	4,949.08	362.49	246.93	115.56	3.137	
12,400.00	7,130.00	12,572.30	7,314.12	0.00	134.81	120.52	-298.93	5,049.07	362.52	244.78	117.74	3.079	
12,500.00	7,130.42	12,672.30	7,314.62	0.00	137.31	120.54	-298.68	5,149.07	362.54	242.62	119.92	3.023	
12,600.00	7,130.83	12,772.30	7,315.12	0.00	139.82	120.55	-298.44	5,249.07	362.57	240.47	122.10	2.969	
12,700.00	7,131.24	12,872.30	7,315.62	0.00	142.33	120.56	-298.19	5,349.07	362.59	238.31	124.28	2.918	
12,800.00	7,131.66	12,972.30	7,316.12	0.00	144.84	120.58	-297.94	5,449.07	362.62	236.16	126.46	2.867	
12,900.00	7,132.07	13,072.30	7,316.62	0.00	147.35	120.59	-297.69	5,549.07	362.64	234.00	128.64	2.819	
13,000.00	7,132.49	13,172.30	7,317.12	0.00	149.86	120.60	-297.44	5,649.06	362.67	231.85	130.82	2.772	
13,100.00	7,132.90	13,272.30	7,317.62	0.00	152.37	120.62	-297.19	5,749.06	362.69	229.69	133.00	2.727	
13,200.00	7,133.31	13,372.30	7,318.12	0.00	154.88	120.63	-296.94	5,849.06	362.71	227.54	135.18	2.683	
13,300.00	7,133.73	13,472.30	7,318.62	0.00	157.39	120.65	-296.70	5,949.06	362.74	225.38	137.36	2.641	
13,400.00	7,134.14	13,572.30	7,319.12	0.00	159.90	120.66	-296.45	6,049.06	362.76	223.23	139.54	2.600	
13,500.00	7,134.56	13,672.30	7,319.62	0.00	162.41	120.67	-296.20	6,149.06	362.79	221.07	141.72	2.560	
13,600.00	7,134.97	13,772.30	7,320.12	0.00	164.93	120.69	-295.95	6,249.06	362.81	218.92	143.89	2.521	
13,700.00	7,135.38	13,872.30	7,320.62	0.00	167.44	120.70	-295.70	6,349.05	362.84	216.77	146.07	2.484	
13,800.00	7,135.80	13,972.30	7,321.12	0.00	169.95	120.71	-295.45	6,449.05	362.86	214.61	148.25	2.448	
13,900.00	7,136.21	14,072.30	7,321.62	0.00	172.47	120.73	-295.20	6,549.05	362.89	212.46	150.43	2.412	
14,000.00	7,136.62	14,172.30	7,322.12	0.00	174.98	120.74	-294.96	6,649.05	362.91	210.31	152.61	2.378	
14,100.00	7,137.04	14,272.30	7,322.62	0.00	177.50	120.75	-294.71	6,749.05	362.94	208.15	154.79	2.345	
14,200.00	7,137.45	14,372.30	7,323.13	0.00	180.01	120.77	-294.46	6,849.05	362.96	206.00	156.96	2.312	
14,300.00	7,137.87	14,472.30	7,323.63	0.00	182.53	120.78	-294.21	6,949.04	362.99	203.85	159.14	2.281	
14,400.00	7,138.28	14,572.30	7,324.13	0.00	185.05	120.79	-293.96	7,049.04	363.01	201.70	161.32	2.250	
14,500.00	7,138.69	14,672.30	7,324.63	0.00	187.56	120.81	-293.71	7,149.04	363.04	199.54	163.49	2.221	
14,600.00	7,139.11	14,772.30	7,325.13	0.00	190.08	120.82	-293.46	7,249.04	363.06	197.39	165.67	2.191	
14,700.00	7,139.52	14,872.30	7,325.63	0.00	192.60	120.84	-293.22	7,349.04	363.09	195.24	167.85	2.163	
14,800.00	7,139.94	14,972.30	7,326.13	0.00	195.11	120.85	-292.97	7,449.04	363.11	193.09	170.02	2.136	
14,900.00	7,140.35	15,072.30	7,326.63	0.00	197.63	120.86	-292.72	7,549.03	363.14	190.94	172.20	2.109	
15,000.00	7,140.76	15,172.30	7,327.13	0.00	200.15	120.88	-292.47	7,649.03	363.16	188.79	174.37	2.083	
15,100.00	7,141.18	15,272.30	7,327.63	0.00	202.67	120.89	-292.22	7,749.03	363.19	186.64	176.55	2.057	
15,200.00	7,141.59	15,372.30	7,328.13	0.00	205.18	120.90	-291.97	7,849.03	363.21	184.49	178.72	2.032	
15,300.00	7,142.00	15,472.30	7,328.63	0.00	207.70	120.92	-291.72	7,949.03	363.24	182.34	180.89	2.008	
15,400.00	7,142.42	15,572.30	7,329.13	0.00	210.22	120.93	-291.48	8,049.03	363.26	180.19	183.07	1.984	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	15,672.30	7,329.63	0.00	212.74	120.94	-291.23	8,149.02	363.29	178.05	185.24	1.961	
15,600.00	7,143.25	15,772.30	7,330.13	0.00	215.26	120.96	-290.98	8,249.02	363.31	175.90	187.41	1.939	
15,700.00	7,143.66	15,872.30	7,330.63	0.00	217.78	120.97	-290.73	8,349.02	363.34	173.75	189.59	1.916	
15,800.00	7,144.07	15,972.30	7,331.13	0.00	220.30	120.98	-290.48	8,449.02	363.36	171.60	191.76	1.895	
15,900.00	7,144.49	16,072.30	7,331.63	0.00	222.82	121.00	-290.23	8,549.02	363.39	169.46	193.93	1.874	
16,000.00	7,144.90	16,172.30	7,332.13	0.00	225.34	121.01	-289.98	8,649.02	363.41	167.31	196.10	1.853	
16,100.00	7,145.32	16,272.30	7,332.63	0.00	227.86	121.02	-289.74	8,749.02	363.44	165.17	198.27	1.833	
16,200.00	7,145.73	16,372.30	7,333.13	0.00	230.38	121.04	-289.49	8,849.01	363.46	163.02	200.44	1.813	
16,300.00	7,146.14	16,472.30	7,333.63	0.00	232.90	121.05	-289.24	8,949.01	363.49	160.88	202.61	1.794	
16,400.00	7,146.56	16,572.30	7,334.14	0.00	235.42	121.07	-288.99	9,049.01	363.51	158.73	204.78	1.775	
16,500.00	7,146.97	16,672.30	7,334.64	0.00	237.94	121.08	-288.74	9,149.01	363.54	156.59	206.95	1.757	
16,548.38	7,147.17	16,720.68	7,334.88	0.00	239.16	121.09	-288.62	9,197.39	363.55	155.55	208.00	1.748	SF
16,600.00	7,147.38	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	364.58	156.05	208.53	1.748	
16,700.00	7,147.80	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	385.19	176.66	208.53	1.847	
16,800.00	7,148.21	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	428.74	220.21	208.53	2.056	
16,900.00	7,148.63	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	489.16	280.63	208.53	2.346	
17,000.00	7,149.04	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	561.00	352.47	208.53	2.690	
17,100.00	7,149.45	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	640.45	431.92	208.53	3.071	
17,200.00	7,149.87	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	725.00	516.47	208.53	3.477	
17,232.03	7,150.00	16,745.13	7,335.00	0.00	239.78	121.09	-288.56	9,221.84	752.89	544.36	208.53	3.610	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-75.26	-27.12	80.05				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-75.26	-27.12	80.00	79.92	0.08	976.067	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-75.26	-27.12	80.00	79.69	0.30	264.445	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-75.26	-27.12	80.00	79.47	0.53	151.718	
400.00	399.98	396.98	399.98	0.00	0.75	-71.43	-75.26	-27.12	79.42	78.67	0.75	105.512	
500.00	499.84	496.84	499.84	0.00	0.98	-75.11	-75.26	-27.12	77.92	76.94	0.98	79.680	
600.00	599.47	596.47	599.47	0.00	1.20	-81.30	-75.26	-27.12	76.17	74.97	1.20	63.421	
700.00	699.05	696.05	699.05	0.00	1.42	-88.21	-75.26	-27.12	75.32	73.90	1.42	52.887	
725.57	724.51	721.51	724.51	0.00	1.48	-90.00	-75.26	-27.12	75.29	73.80	1.48	50.820	CC, ES
800.00	798.62	795.62	798.62	0.00	1.65	-95.18	-75.26	-27.12	75.60	73.95	1.65	45.869	
900.00	898.20	893.28	896.26	0.00	1.84	-101.14	-76.58	-27.86	78.15	76.31	1.84	42.387	
1,000.00	997.77	990.93	993.79	0.00	2.02	-105.04	-80.80	-30.24	83.92	81.89	2.02	41.473	
1,100.00	1,097.35	1,088.44	1,090.95	0.00	2.22	-106.89	-87.91	-34.23	92.33	90.12	2.21	41.701	
1,200.00	1,196.92	1,185.58	1,187.42	0.00	2.44	-107.06	-97.84	-39.82	103.13	100.71	2.42	42.596	
1,300.00	1,296.49	1,282.14	1,282.86	0.00	2.69	-106.02	-110.54	-46.96	116.25	113.60	2.65	43.935	
1,400.00	1,396.07	1,377.89	1,376.98	0.00	2.97	-104.19	-125.89	-55.59	131.78	128.89	2.89	45.640	
1,500.00	1,495.64	1,476.08	1,473.14	0.00	3.30	-102.21	-143.24	-65.34	148.81	145.66	3.15	47.225	
1,600.00	1,595.22	1,574.51	1,569.51	0.00	3.66	-100.63	-160.63	-75.12	165.99	162.57	3.42	48.502	
1,700.00	1,694.79	1,672.93	1,665.89	0.00	4.03	-99.35	-178.02	-84.90	183.27	179.57	3.70	49.541	
1,800.00	1,794.37	1,771.35	1,762.27	0.00	4.41	-98.29	-195.41	-94.68	200.62	196.64	3.98	50.401	
1,900.00	1,893.94	1,869.77	1,858.65	0.00	4.80	-97.40	-212.80	-104.46	218.03	213.76	4.26	51.122	
2,000.00	1,993.51	1,968.19	1,955.02	0.00	5.20	-96.64	-230.19	-114.23	235.48	230.93	4.55	51.736	
2,100.00	2,093.09	2,066.61	2,051.40	0.00	5.61	-95.99	-247.58	-124.01	252.96	248.12	4.84	52.264	
2,200.00	2,192.66	2,165.03	2,147.78	0.00	6.01	-95.42	-264.97	-133.79	270.48	265.35	5.13	52.722	
2,300.00	2,292.24	2,263.45	2,244.16	0.00	6.43	-94.92	-282.36	-143.57	288.01	282.59	5.42	53.123	
2,400.00	2,391.81	2,361.87	2,340.54	0.00	6.84	-94.47	-299.75	-153.35	305.57	299.85	5.71	53.477	
2,500.00	2,491.39	2,460.30	2,436.91	0.00	7.26	-94.08	-317.14	-163.13	323.14	317.13	6.01	53.792	
2,600.00	2,590.96	2,558.72	2,533.29	0.00	7.68	-93.73	-334.53	-172.91	340.72	334.42	6.30	54.073	
2,700.00	2,690.53	2,657.14	2,629.67	0.00	8.10	-93.41	-351.93	-182.68	358.32	351.72	6.60	54.325	
2,800.00	2,790.11	2,755.56	2,726.05	0.00	8.52	-93.12	-369.32	-192.46	375.92	369.03	6.89	54.554	
2,900.00	2,889.68	2,853.98	2,822.42	0.00	8.94	-92.85	-386.71	-202.24	393.54	386.35	7.19	54.761	
3,000.00	2,989.26	2,952.40	2,918.80	0.00	9.37	-92.61	-404.10	-212.02	411.16	403.68	7.48	54.950	
3,100.00	3,088.83	3,050.82	3,015.18	0.00	9.80	-92.39	-421.49	-221.80	428.79	421.01	7.78	55.123	
3,200.00	3,188.41	3,149.24	3,111.56	0.00	10.22	-92.19	-438.88	-231.58	446.42	438.34	8.08	55.281	
3,300.00	3,287.98	3,247.66	3,207.93	0.00	10.65	-92.00	-456.27	-241.35	464.06	455.69	8.37	55.428	
3,400.00	3,387.56	3,346.09	3,304.31	0.00	11.08	-91.82	-473.66	-251.13	481.70	473.03	8.67	55.563	
3,500.00	3,487.13	3,444.51	3,400.69	0.00	11.51	-91.66	-491.05	-260.91	499.35	490.38	8.97	55.688	
3,600.00	3,586.70	3,542.93	3,497.07	0.00	11.93	-91.51	-508.44	-270.69	517.00	507.73	9.26	55.804	
3,700.00	3,686.28	3,641.35	3,593.45	0.00	12.36	-91.37	-525.83	-280.47	534.65	525.09	9.56	55.913	
3,800.00	3,785.85	3,739.77	3,689.82	0.00	12.79	-91.24	-543.22	-290.25	552.31	542.45	9.86	56.014	
3,900.00	3,885.43	3,838.19	3,786.20	0.00	13.22	-91.11	-560.61	-300.03	569.97	559.81	10.16	56.109	
4,000.00	3,985.00	3,936.61	3,882.58	0.00	13.65	-91.00	-578.00	-309.80	587.63	577.17	10.46	56.198	
4,100.00	4,084.58	4,035.03	3,978.96	0.00	14.09	-90.89	-595.39	-319.58	605.29	594.54	10.75	56.281	
4,200.00	4,184.15	4,133.45	4,075.33	0.00	14.52	-90.78	-612.79	-329.36	622.96	611.91	11.05	56.360	
4,300.00	4,283.72	4,231.88	4,171.71	0.00	14.95	-90.69	-630.18	-339.14	640.63	629.28	11.35	56.434	
4,400.00	4,383.30	4,330.30	4,268.09	0.00	15.38	-90.59	-647.57	-348.92	658.30	646.65	11.65	56.504	
4,500.00	4,482.87	4,428.72	4,364.47	0.00	15.81	-90.51	-664.96	-358.70	675.97	664.02	11.95	56.570	
4,600.00	4,582.45	4,527.14	4,460.85	0.00	16.24	-90.42	-682.35	-368.47	693.64	681.39	12.25	56.633	
4,700.00	4,682.02	4,625.56	4,557.22	0.00	16.68	-90.34	-699.74	-378.25	711.31	698.77	12.55	56.692	
4,800.00	4,781.60	4,723.98	4,653.60	0.00	17.11	-90.27	-717.13	-388.03	728.99	716.14	12.85	56.749	
4,900.00	4,881.17	4,822.40	4,749.98	0.00	17.54	-90.20	-734.52	-397.81	746.67	733.52	13.14	56.802	
5,000.00	4,980.74	4,920.82	4,846.36	0.00	17.97	-90.13	-751.91	-407.59	764.34	750.90	13.44	56.853	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	5,019.25	4,942.73	0.00	18.41	-90.06	-769.30	-417.37	782.02	768.28	13.74	56.902	
5,200.00	5,179.89	5,117.67	5,039.11	0.00	18.84	-90.00	-786.69	-427.15	799.70	785.66	14.04	56.948	
5,300.00	5,279.47	5,216.09	5,135.49	0.00	19.27	-89.94	-804.08	-436.92	817.38	803.04	14.34	56.993	
5,400.00	5,379.04	5,314.51	5,231.87	0.00	19.71	-89.89	-821.47	-446.70	835.06	820.42	14.64	57.035	
5,500.00	5,478.62	5,412.93	5,328.25	0.00	20.14	-89.83	-838.86	-456.48	852.74	837.80	14.94	57.076	
5,600.00	5,578.19	5,511.35	5,424.62	0.00	20.57	-89.78	-856.25	-466.26	870.43	855.19	15.24	57.114	
5,700.00	5,677.77	5,609.77	5,521.00	0.00	21.01	-89.73	-873.65	-476.04	888.11	872.57	15.54	57.152	
5,800.00	5,777.34	5,708.19	5,617.38	0.00	21.44	-89.68	-891.04	-485.82	905.79	889.95	15.84	57.187	
5,900.00	5,876.91	5,806.61	5,713.76	0.00	21.87	-89.63	-908.43	-495.60	923.48	907.34	16.14	57.221	
6,000.00	5,976.49	5,916.12	5,821.04	0.00	22.32	-89.59	-927.55	-506.35	941.00	924.55	16.45	57.189	
6,100.00	6,076.06	6,055.20	5,958.19	0.00	22.71	-89.69	-947.62	-517.63	955.44	938.65	16.79	56.912	
6,200.00	6,175.64	6,195.61	6,097.61	0.00	23.04	-89.98	-961.98	-525.71	965.66	948.55	17.12	56.413	
6,300.00	6,275.24	6,336.70	6,238.36	0.00	23.28	-90.48	-970.38	-530.43	971.66	954.22	17.44	55.730	
6,400.00	6,375.13	6,473.37	6,374.99	0.00	23.47	89.81	-972.78	-531.69	973.39	955.70	17.69	55.032	
6,500.00	6,474.53	6,572.24	6,473.42	0.00	23.53	89.64	-972.76	-523.34	973.39	955.64	17.75	54.843	
6,600.00	6,571.72	6,671.32	6,569.98	0.00	23.51	89.67	-972.71	-501.46	973.40	955.69	17.71	54.956	
6,700.00	6,665.06	6,770.51	6,662.70	0.00	23.42	89.68	-972.62	-466.43	973.42	955.82	17.60	55.306	
6,800.00	6,752.94	6,869.71	6,749.69	0.00	23.28	89.66	-972.50	-418.93	973.43	955.98	17.45	55.783	
6,900.00	6,833.85	6,968.80	6,829.22	0.00	23.11	89.59	-972.36	-359.95	973.45	956.13	17.31	56.226	
7,000.00	6,906.42	7,067.68	6,899.71	0.00	22.92	89.47	-972.19	-290.72	973.47	956.21	17.26	56.409	
7,100.00	6,969.40	7,166.25	6,959.83	0.00	22.72	89.32	-972.00	-212.70	973.49	956.14	17.36	56.089	
7,200.00	7,021.72	7,265.44	7,010.68	0.00	22.54	89.25	-971.79	-127.57	973.51	955.84	17.67	55.099	
7,300.00	7,062.47	7,364.02	7,054.75	0.00	22.38	89.51	-971.58	-39.47	973.45	955.23	18.22	53.438	
7,400.00	7,090.97	7,463.07	7,086.47	0.00	22.27	89.72	-971.35	54.28	973.41	954.36	19.05	51.100	
7,500.00	7,106.72	7,562.61	7,105.02	0.00	22.26	89.90	-971.10	151.99	973.39	953.23	20.16	48.290	
7,600.00	7,110.14	7,662.51	7,110.07	0.00	22.69	90.00	-970.86	251.69	973.36	951.87	21.50	45.283	
7,700.00	7,110.55	7,762.51	7,110.46	0.00	23.92	89.99	-970.61	351.69	973.34	950.30	23.04	42.244	
7,800.00	7,110.97	7,862.51	7,110.85	0.00	25.55	89.99	-970.36	451.69	973.32	948.58	24.73	39.352	
7,900.00	7,111.38	7,962.51	7,111.24	0.00	27.36	89.99	-970.11	551.69	973.30	946.74	26.56	36.645	
8,000.00	7,111.79	8,062.51	7,111.63	0.00	29.29	89.99	-969.86	651.69	973.27	944.78	28.49	34.157	
8,100.00	7,112.21	8,162.51	7,112.02	0.00	31.30	89.99	-969.61	751.69	973.25	942.74	30.52	31.894	
8,200.00	7,112.62	8,262.51	7,112.41	0.00	33.38	89.99	-969.37	851.69	973.23	940.62	32.61	29.847	
8,300.00	7,113.03	8,362.51	7,112.80	0.00	35.51	89.99	-969.12	951.69	973.21	938.45	34.76	28.000	
8,400.00	7,113.45	8,462.51	7,113.19	0.00	37.69	89.98	-968.87	1,051.68	973.18	936.23	36.96	26.334	
8,500.00	7,113.86	8,562.51	7,113.58	0.00	39.91	89.98	-968.62	1,151.68	973.16	933.97	39.19	24.830	
8,600.00	7,114.28	8,662.51	7,113.96	0.00	42.16	89.98	-968.37	1,251.68	973.14	931.67	41.46	23.469	
8,700.00	7,114.69	8,762.51	7,114.35	0.00	44.45	89.98	-968.12	1,351.68	973.11	929.35	43.76	22.235	
8,800.00	7,115.10	8,862.51	7,114.74	0.00	46.75	89.98	-967.87	1,451.68	973.09	927.00	46.09	21.114	
8,900.00	7,115.52	8,962.51	7,115.13	0.00	49.08	89.98	-967.63	1,551.68	973.07	924.64	48.43	20.091	
9,000.00	7,115.93	9,062.51	7,115.52	0.00	51.42	89.98	-967.38	1,651.68	973.05	922.25	50.79	19.157	
9,100.00	7,116.35	9,162.51	7,115.91	0.00	53.78	89.97	-967.13	1,751.68	973.02	919.85	53.17	18.300	
9,200.00	7,116.76	9,262.51	7,116.30	0.00	56.15	89.97	-966.88	1,851.68	973.00	917.44	55.56	17.512	
9,300.00	7,117.17	9,362.51	7,116.69	0.00	58.54	89.97	-966.63	1,951.67	972.98	915.02	57.96	16.786	
9,400.00	7,117.59	9,462.51	7,117.08	0.00	60.93	89.97	-966.38	2,051.67	972.96	912.58	60.38	16.115	
9,500.00	7,118.00	9,562.51	7,117.47	0.00	63.34	89.97	-966.13	2,151.67	972.93	910.14	62.80	15.493	
9,600.00	7,118.41	9,662.51	7,117.86	0.00	65.76	89.97	-965.89	2,251.67	972.91	907.68	65.23	14.916	
9,700.00	7,118.83	9,762.51	7,118.25	0.00	68.18	89.97	-965.64	2,351.67	972.89	905.23	67.66	14.378	
9,800.00	7,119.24	9,862.51	7,118.64	0.00	70.61	89.96	-965.39	2,451.67	972.87	902.76	70.11	13.877	
9,900.00	7,119.66	9,962.51	7,119.02	0.00	73.04	89.96	-965.14	2,551.67	972.84	900.29	72.56	13.408	
10,000.00	7,120.07	10,062.51	7,119.41	0.00	75.49	89.96	-964.89	2,651.67	972.82	897.81	75.01	12.969	
10,100.00	7,120.48	10,162.51	7,119.80	0.00	77.93	89.96	-964.64	2,751.67	972.80	895.33	77.47	12.557	
10,200.00	7,120.90	10,262.51	7,120.19	0.00	80.39	89.96	-964.39	2,851.66	972.78	892.84	79.93	12.170	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,362.51	7,120.58	0.00	82.84	89.96	-964.15	2,951.66	972.75	890.35	82.40	11.805	
10,400.00	7,121.73	10,462.51	7,120.97	0.00	85.30	89.96	-963.90	3,051.66	972.73	887.86	84.87	11.461	
10,500.00	7,122.14	10,562.51	7,121.36	0.00	87.77	89.95	-963.65	3,151.66	972.71	885.36	87.34	11.136	
10,600.00	7,122.55	10,662.51	7,121.75	0.00	90.24	89.95	-963.40	3,251.66	972.69	882.86	89.82	10.829	
10,700.00	7,122.97	10,762.51	7,122.14	0.00	92.71	89.95	-963.15	3,351.66	972.66	880.36	92.30	10.538	
10,800.00	7,123.38	10,862.51	7,122.53	0.00	95.18	89.95	-962.90	3,451.66	972.64	877.86	94.78	10.262	
10,900.00	7,123.79	10,962.51	7,122.92	0.00	97.66	89.95	-962.65	3,551.66	972.62	875.35	97.27	9.999	
11,000.00	7,124.21	11,062.51	7,123.31	0.00	100.13	89.95	-962.41	3,651.66	972.60	872.84	99.76	9.750	
11,100.00	7,124.62	11,162.51	7,123.70	0.00	102.62	89.95	-962.16	3,751.66	972.57	870.33	102.24	9.512	
11,200.00	7,125.04	11,262.51	7,124.08	0.00	105.10	89.94	-961.91	3,851.65	972.55	867.82	104.73	9.286	
11,300.00	7,125.45	11,362.51	7,124.47	0.00	107.58	89.94	-961.66	3,951.65	972.53	865.30	107.23	9.070	
11,400.00	7,125.86	11,462.51	7,124.86	0.00	110.07	89.94	-961.41	4,051.65	972.51	862.78	109.72	8.863	
11,500.00	7,126.28	11,562.51	7,125.25	0.00	112.56	89.94	-961.16	4,151.65	972.48	860.27	112.22	8.666	
11,600.00	7,126.69	11,662.51	7,125.64	0.00	115.05	89.94	-960.91	4,251.65	972.46	857.75	114.71	8.477	
11,700.00	7,127.11	11,762.51	7,126.03	0.00	117.54	89.94	-960.67	4,351.65	972.44	855.23	117.21	8.296	
11,800.00	7,127.52	11,862.51	7,126.42	0.00	120.04	89.94	-960.42	4,451.65	972.41	852.70	119.71	8.123	
11,900.00	7,127.93	11,962.51	7,126.81	0.00	122.53	89.93	-960.17	4,551.65	972.39	850.18	122.21	7.957	
12,000.00	7,128.35	12,062.51	7,127.20	0.00	125.03	89.93	-959.92	4,651.65	972.37	847.66	124.71	7.797	
12,100.00	7,128.76	12,162.51	7,127.59	0.00	127.53	89.93	-959.67	4,751.64	972.35	845.13	127.22	7.643	
12,200.00	7,129.18	12,262.51	7,127.98	0.00	130.02	89.93	-959.42	4,851.64	972.32	842.60	129.72	7.495	
12,300.00	7,129.59	12,362.51	7,128.37	0.00	132.52	89.93	-959.17	4,951.64	972.30	840.08	132.23	7.353	
12,400.00	7,130.00	12,462.51	7,128.76	0.00	135.02	89.93	-958.93	5,051.64	972.28	837.55	134.73	7.216	
12,500.00	7,130.42	12,562.51	7,129.14	0.00	137.53	89.92	-958.68	5,151.64	972.26	835.02	137.24	7.084	
12,600.00	7,130.83	12,662.51	7,129.53	0.00	140.03	89.92	-958.43	5,251.64	972.23	832.49	139.75	6.957	
12,700.00	7,131.24	12,762.51	7,129.92	0.00	142.53	89.92	-958.18	5,351.64	972.21	829.96	142.25	6.834	
12,800.00	7,131.66	12,862.51	7,130.31	0.00	145.04	89.92	-957.93	5,451.64	972.19	827.43	144.76	6.716	
12,900.00	7,132.07	12,962.51	7,130.70	0.00	147.54	89.92	-957.68	5,551.64	972.17	824.90	147.27	6.601	
13,000.00	7,132.49	13,062.51	7,131.09	0.00	150.05	89.92	-957.43	5,651.63	972.14	822.36	149.78	6.490	
13,100.00	7,132.90	13,162.51	7,131.48	0.00	152.55	89.92	-957.19	5,751.63	972.12	819.83	152.29	6.383	
13,200.00	7,133.31	13,262.51	7,131.87	0.00	155.06	89.91	-956.94	5,851.63	972.10	817.30	154.80	6.280	
13,300.00	7,133.73	13,362.51	7,132.26	0.00	157.57	89.91	-956.69	5,951.63	972.08	814.76	157.31	6.179	
13,400.00	7,134.14	13,462.51	7,132.65	0.00	160.08	89.91	-956.44	6,051.63	972.05	812.23	159.83	6.082	
13,500.00	7,134.56	13,562.51	7,133.04	0.00	162.59	89.91	-956.19	6,151.63	972.03	809.69	162.34	5.988	
13,600.00	7,134.97	13,662.51	7,133.43	0.00	165.10	89.91	-955.94	6,251.63	972.01	807.16	164.85	5.896	
13,700.00	7,135.38	13,762.51	7,133.81	0.00	167.61	89.91	-955.69	6,351.63	971.99	804.62	167.37	5.808	
13,800.00	7,135.80	13,862.51	7,134.20	0.00	170.12	89.91	-955.44	6,451.63	971.96	802.08	169.88	5.721	
13,900.00	7,136.21	13,962.51	7,134.59	0.00	172.63	89.90	-955.20	6,551.63	971.94	799.55	172.39	5.638	
14,000.00	7,136.62	14,062.51	7,134.98	0.00	175.14	89.90	-954.95	6,651.62	971.92	797.01	174.91	5.557	
14,100.00	7,137.04	14,162.51	7,135.37	0.00	177.65	89.90	-954.70	6,751.62	971.90	794.47	177.42	5.478	
14,200.00	7,137.45	14,262.51	7,135.76	0.00	180.16	89.90	-954.45	6,851.62	971.87	791.93	179.94	5.401	
14,300.00	7,137.87	14,362.51	7,136.15	0.00	182.68	89.90	-954.20	6,951.62	971.85	789.40	182.45	5.327	
14,400.00	7,138.28	14,462.51	7,136.54	0.00	185.19	89.90	-953.95	7,051.62	971.83	786.86	184.97	5.254	
14,500.00	7,138.69	14,562.51	7,136.93	0.00	187.70	89.90	-953.70	7,151.62	971.81	784.32	187.49	5.183	
14,600.00	7,139.11	14,662.51	7,137.32	0.00	190.22	89.89	-953.46	7,251.62	971.78	781.78	190.00	5.115	
14,700.00	7,139.52	14,762.51	7,137.71	0.00	192.73	89.89	-953.21	7,351.62	971.76	779.24	192.52	5.048	
14,800.00	7,139.94	14,862.51	7,138.10	0.00	195.25	89.89	-952.96	7,451.62	971.74	776.70	195.04	4.982	
14,900.00	7,140.35	14,962.51	7,138.49	0.00	197.76	89.89	-952.71	7,551.61	971.72	774.16	197.56	4.919	
15,000.00	7,140.76	15,062.51	7,138.87	0.00	200.28	89.89	-952.46	7,651.61	971.69	771.62	200.07	4.857	
15,100.00	7,141.18	15,162.51	7,139.26	0.00	202.79	89.89	-952.21	7,751.61	971.67	769.08	202.59	4.796	
15,200.00	7,141.59	15,262.51	7,139.65	0.00	205.31	89.89	-951.96	7,851.61	971.65	766.54	205.11	4.737	
15,300.00	7,142.00	15,362.51	7,140.04	0.00	207.83	89.88	-951.72	7,951.61	971.63	764.00	207.63	4.680	
15,400.00	7,142.42	15,462.51	7,140.43	0.00	210.34	89.88	-951.47	8,051.61	971.60	761.45	210.15	4.623	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	15,562.51	7,140.82	0.00	212.86	89.88	-951.22	8,151.61	971.58	758.91	212.67	4.569	
15,600.00	7,143.25	15,662.51	7,141.21	0.00	215.38	89.88	-950.97	8,251.61	971.56	756.37	215.19	4.515	
15,700.00	7,143.66	15,762.51	7,141.60	0.00	217.89	89.88	-950.72	8,351.61	971.54	753.83	217.71	4.463	
15,800.00	7,144.07	15,862.51	7,141.99	0.00	220.41	89.88	-950.47	8,451.60	971.51	751.29	220.23	4.411	
15,900.00	7,144.49	15,962.51	7,142.38	0.00	222.93	89.88	-950.22	8,551.60	971.49	748.75	222.74	4.361	
16,000.00	7,144.90	16,062.51	7,142.77	0.00	225.45	89.87	-949.98	8,651.60	971.47	746.20	225.26	4.313	
16,100.00	7,145.32	16,162.51	7,143.16	0.00	227.97	89.87	-949.73	8,751.60	971.44	743.66	227.79	4.265	
16,200.00	7,145.73	16,262.51	7,143.55	0.00	230.48	89.87	-949.48	8,851.60	971.42	741.12	230.31	4.218	
16,300.00	7,146.14	16,362.51	7,143.93	0.00	233.00	89.87	-949.23	8,951.60	971.40	738.57	232.83	4.172	
16,400.00	7,146.56	16,462.51	7,144.32	0.00	235.52	89.87	-948.98	9,051.60	971.38	736.03	235.35	4.127	
16,500.00	7,146.97	16,562.51	7,144.71	0.00	238.04	89.87	-948.73	9,151.60	971.35	733.49	237.87	4.084	
16,560.54	7,147.22	16,623.05	7,144.95	0.00	239.57	89.87	-948.58	9,212.14	971.34	731.95	239.39	4.058	
16,600.00	7,147.38	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	971.69	731.96	239.73	4.053	SF
16,700.00	7,147.80	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	979.48	739.75	239.73	4.086	
16,800.00	7,148.21	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	997.29	757.56	239.73	4.160	
16,900.00	7,148.63	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	1,024.59	784.86	239.73	4.274	
17,000.00	7,149.04	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	1,060.65	820.93	239.73	4.424	
17,100.00	7,149.45	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	1,104.62	864.90	239.73	4.608	
17,200.00	7,149.87	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	1,155.59	915.87	239.73	4.820	
17,232.03	7,150.00	16,636.27	7,145.00	0.00	239.90	89.87	-948.55	9,225.36	1,173.26	933.53	239.73	4.894	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-94.08	-33.91	100.05				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-94.08	-33.91	100.00	99.92	0.08	1,220.183	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-94.08	-33.91	100.00	99.70	0.30	330.583	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-94.08	-33.91	100.00	99.48	0.53	189.663	
400.00	399.98	396.98	399.98	0.00	0.75	-71.19	-94.08	-33.91	99.43	98.68	0.75	132.083	
500.00	499.84	496.84	499.84	0.00	0.98	-74.12	-94.08	-33.91	97.87	96.89	0.98	100.063	
600.00	599.47	596.47	599.47	0.00	1.20	-79.02	-94.08	-33.91	95.88	94.68	1.20	79.810	
700.00	699.05	696.05	699.05	0.00	1.42	-84.48	-94.08	-33.91	94.55	93.13	1.42	66.382	
799.05	797.67	794.67	797.67	0.00	1.65	-90.00	-94.08	-33.91	94.11	92.47	1.65	57.181	CC
800.00	798.62	795.62	798.62	0.00	1.65	-90.05	-94.08	-33.91	94.11	92.46	1.65	57.107	ES
900.00	898.20	895.20	898.20	0.00	1.87	-95.62	-94.08	-33.91	94.57	92.70	1.87	50.521	
1,000.00	997.77	994.77	997.77	0.00	2.10	-101.09	-94.08	-33.91	95.92	93.82	2.10	45.764	
1,100.00	1,097.35	1,091.72	1,094.70	0.00	2.29	-105.75	-95.48	-34.36	99.37	97.08	2.29	43.417	
1,200.00	1,196.92	1,188.49	1,191.35	0.00	2.46	-108.98	-99.98	-35.81	106.13	103.67	2.46	43.107	
1,300.00	1,296.49	1,285.01	1,287.54	0.00	2.64	-110.78	-107.56	-38.25	115.80	113.15	2.64	43.821	
1,400.00	1,396.07	1,381.08	1,382.96	0.00	2.85	-111.37	-118.17	-41.67	128.13	125.29	2.83	45.197	
1,500.00	1,495.64	1,476.47	1,477.28	0.00	3.08	-111.01	-131.71	-46.03	143.02	139.98	3.04	47.035	
1,600.00	1,595.22	1,570.99	1,570.22	0.00	3.34	-110.01	-148.07	-51.29	160.48	157.22	3.26	49.213	
1,700.00	1,694.79	1,664.44	1,661.50	0.00	3.65	-108.61	-167.10	-57.42	180.56	177.06	3.49	51.663	
1,800.00	1,794.37	1,756.65	1,750.89	0.00	3.99	-106.98	-188.64	-64.36	203.30	199.56	3.74	54.348	
1,900.00	1,893.94	1,847.46	1,838.16	0.00	4.38	-105.27	-212.53	-72.05	228.77	224.77	4.00	57.248	
2,000.00	1,993.51	1,936.72	1,923.12	0.00	4.81	-103.56	-238.56	-80.43	256.98	252.72	4.26	60.357	
2,100.00	2,093.09	2,028.30	2,009.51	0.00	5.30	-101.88	-267.48	-89.74	287.59	283.05	4.54	63.401	
2,200.00	2,192.66	2,123.07	2,098.80	0.00	5.83	-100.43	-297.69	-99.46	318.68	313.85	4.83	66.007	
2,300.00	2,292.24	2,217.84	2,188.10	0.00	6.38	-99.25	-327.91	-109.19	349.92	344.79	5.12	68.292	
2,400.00	2,391.81	2,312.60	2,277.39	0.00	6.94	-98.26	-358.12	-118.92	381.27	375.85	5.42	70.308	
2,500.00	2,491.39	2,407.37	2,366.69	0.00	7.52	-97.42	-388.33	-128.65	412.71	406.99	5.72	72.093	
2,600.00	2,590.96	2,502.14	2,455.98	0.00	8.10	-96.69	-418.54	-138.37	444.22	438.19	6.03	73.682	
2,700.00	2,690.53	2,596.90	2,545.28	0.00	8.68	-96.07	-448.75	-148.10	475.78	469.45	6.34	75.102	
2,800.00	2,790.11	2,691.67	2,634.57	0.00	9.28	-95.52	-478.96	-157.83	507.39	500.75	6.64	76.378	
2,900.00	2,889.68	2,786.44	2,723.86	0.00	9.88	-95.03	-509.17	-167.55	539.04	532.09	6.95	77.529	
3,000.00	2,989.26	2,881.20	2,813.16	0.00	10.48	-94.60	-539.39	-177.28	570.72	563.46	7.26	78.571	
3,100.00	3,088.83	2,975.97	2,902.45	0.00	11.08	-94.22	-569.60	-187.01	602.42	594.85	7.58	79.520	
3,200.00	3,188.41	3,070.74	2,991.75	0.00	11.69	-93.87	-599.81	-196.73	634.15	626.26	7.89	80.385	
3,300.00	3,287.98	3,165.51	3,081.04	0.00	12.29	-93.56	-630.02	-206.46	665.90	657.69	8.20	81.177	
3,400.00	3,387.56	3,260.27	3,170.34	0.00	12.90	-93.27	-660.23	-216.19	697.66	689.14	8.52	81.905	
3,500.00	3,487.13	3,355.04	3,259.63	0.00	13.52	-93.01	-690.44	-225.91	729.43	720.60	8.83	82.576	
3,600.00	3,586.70	3,449.81	3,348.92	0.00	14.13	-92.77	-720.65	-235.64	761.22	752.07	9.15	83.195	
3,700.00	3,686.28	3,544.57	3,438.22	0.00	14.74	-92.55	-750.86	-245.37	793.02	783.56	9.47	83.768	
3,800.00	3,785.85	3,639.34	3,527.51	0.00	15.36	-92.35	-781.08	-255.09	824.83	815.05	9.78	84.301	
3,900.00	3,885.43	3,734.11	3,616.81	0.00	15.98	-92.16	-811.29	-264.82	856.65	846.55	10.10	84.796	
4,000.00	3,985.00	3,828.88	3,706.10	0.00	16.59	-91.98	-841.50	-274.55	888.47	878.05	10.42	85.258	
4,100.00	4,084.58	3,923.64	3,795.40	0.00	17.21	-91.82	-871.71	-284.27	920.31	909.57	10.74	85.690	
4,200.00	4,184.15	4,018.41	3,884.69	0.00	17.83	-91.67	-901.92	-294.00	952.14	941.09	11.06	86.095	
4,300.00	4,283.72	4,113.18	3,973.98	0.00	18.45	-91.53	-932.13	-303.73	983.99	972.61	11.38	86.474	
4,400.00	4,383.30	4,207.94	4,063.28	0.00	19.07	-91.40	-962.34	-313.45	1,015.84	1,004.14	11.70	86.831	
4,500.00	4,482.87	4,302.71	4,152.57	0.00	19.69	-91.27	-992.55	-323.18	1,047.69	1,035.67	12.02	87.166	
4,600.00	4,582.45	4,397.48	4,241.87	0.00	20.31	-91.15	-1,022.77	-332.91	1,079.55	1,067.21	12.34	87.483	
4,700.00	4,682.02	4,492.25	4,331.16	0.00	20.93	-91.04	-1,052.98	-342.63	1,111.41	1,098.75	12.66	87.781	
4,800.00	4,781.60	4,587.01	4,420.46	0.00	21.55	-90.94	-1,083.19	-352.36	1,143.28	1,130.29	12.98	88.064	
4,900.00	4,881.17	4,681.78	4,509.75	0.00	22.17	-90.84	-1,113.40	-362.09	1,175.15	1,161.84	13.30	88.331	
5,000.00	4,980.74	4,776.55	4,599.04	0.00	22.79	-90.75	-1,143.61	-371.81	1,207.02	1,193.39	13.63	88.585	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,871.31	4,688.34	0.00	23.42	-90.66	-1,173.82	-381.54	1,238.89	1,224.94	13.95	88.825	
5,200.00	5,179.89	4,966.08	4,777.63	0.00	24.04	-90.57	-1,204.03	-391.27	1,270.77	1,256.50	14.27	89.054	
5,300.00	5,279.47	5,060.85	4,866.93	0.00	24.66	-90.49	-1,234.24	-400.99	1,302.65	1,288.06	14.59	89.272	
5,400.00	5,379.04	5,155.61	4,956.22	0.00	25.28	-90.42	-1,264.46	-410.72	1,334.53	1,319.61	14.91	89.479	
5,500.00	5,478.62	5,250.38	5,045.52	0.00	25.91	-90.34	-1,294.67	-420.45	1,366.41	1,351.18	15.24	89.677	
5,600.00	5,578.19	5,345.15	5,134.81	0.00	26.53	-90.27	-1,324.88	-430.17	1,398.30	1,382.74	15.56	89.866	
5,700.00	5,677.77	5,439.92	5,224.10	0.00	27.15	-90.21	-1,355.09	-439.90	1,430.18	1,414.30	15.88	90.046	
5,800.00	5,777.34	5,534.68	5,313.40	0.00	27.78	-90.14	-1,385.30	-449.63	1,462.07	1,445.87	16.21	90.218	
5,900.00	5,876.91	5,629.45	5,402.69	0.00	28.40	-90.08	-1,415.51	-459.35	1,493.96	1,477.43	16.53	90.383	
6,000.00	5,976.49	5,724.22	5,491.99	0.00	29.03	-90.03	-1,445.72	-469.08	1,525.86	1,509.00	16.85	90.541	
6,100.00	6,076.06	5,821.14	5,583.31	0.00	29.66	-89.97	-1,476.62	-479.03	1,557.75	1,540.56	17.18	90.661	
6,200.00	6,175.64	6,020.99	5,773.89	0.00	30.61	-89.94	-1,533.77	-497.42	1,586.37	1,568.60	17.77	89.264	
6,300.00	6,275.24	6,227.98	5,975.18	0.00	31.37	-90.23	-1,579.47	-512.14	1,608.48	1,590.12	18.36	87.621	
6,400.00	6,375.13	6,440.36	6,184.78	0.00	31.96	89.50	-1,611.87	-522.57	1,623.73	1,604.74	18.99	85.487	
6,500.00	6,474.53	6,654.95	6,398.51	0.00	32.36	89.60	-1,629.50	-528.25	1,631.86	1,612.56	19.31	84.529	
6,600.00	6,571.72	6,829.31	6,572.81	0.00	32.55	90.81	-1,632.77	-528.49	1,633.54	1,614.24	19.30	84.653	
6,700.00	6,665.06	6,931.30	6,673.99	0.00	32.58	91.63	-1,632.74	-516.43	1,634.08	1,614.90	19.18	85.194	
6,800.00	6,752.94	7,037.34	6,776.27	0.00	32.56	92.42	-1,632.67	-488.79	1,634.92	1,615.93	18.99	86.079	
6,900.00	6,833.85	7,147.59	6,877.06	0.00	32.47	93.15	-1,632.56	-444.40	1,635.98	1,617.21	18.76	87.204	
7,000.00	6,906.42	7,261.99	6,973.17	0.00	32.33	93.80	-1,632.41	-382.56	1,637.12	1,618.59	18.53	88.337	
7,100.00	6,969.40	7,380.29	7,060.89	0.00	32.16	94.35	-1,632.22	-303.39	1,638.23	1,619.84	18.40	89.051	
7,200.00	7,021.72	7,501.97	7,136.27	0.00	31.99	94.78	-1,631.99	-208.06	1,639.18	1,620.71	18.46	88.777	
7,300.00	7,062.47	7,610.85	7,191.81	0.00	31.86	95.13	-1,631.76	-114.44	1,640.16	1,621.38	18.78	87.327	
7,400.00	7,090.97	7,737.49	7,244.25	0.00	31.78	95.64	-1,631.47	0.66	1,641.46	1,621.98	19.48	84.262	
7,500.00	7,106.72	7,867.49	7,276.15	0.00	31.79	95.98	-1,631.16	126.50	1,642.36	1,621.74	20.63	79.628	
7,600.00	7,110.14	7,993.72	7,285.11	0.00	31.98	96.11	-1,630.85	252.26	1,642.70	1,620.59	22.11	74.298	
7,700.00	7,110.55	8,093.72	7,285.72	0.00	32.30	96.12	-1,630.60	352.26	1,642.70	1,619.16	23.54	69.770	
7,800.00	7,110.97	8,193.72	7,286.34	0.00	32.82	96.13	-1,630.35	452.26	1,642.70	1,617.56	25.14	65.329	
7,900.00	7,111.38	8,293.72	7,286.95	0.00	33.60	96.14	-1,630.11	552.25	1,642.70	1,615.81	26.89	61.100	
8,000.00	7,111.79	8,393.72	7,287.56	0.00	34.65	96.14	-1,629.86	652.25	1,642.70	1,613.96	28.74	57.155	
8,100.00	7,112.21	8,493.72	7,288.17	0.00	35.96	96.15	-1,629.61	752.25	1,642.70	1,612.01	30.69	53.524	
8,200.00	7,112.62	8,593.72	7,288.78	0.00	37.49	96.16	-1,629.36	852.25	1,642.70	1,609.98	32.72	50.209	
8,300.00	7,113.03	8,693.72	7,289.39	0.00	39.20	96.16	-1,629.11	952.24	1,642.69	1,607.89	34.81	47.193	
8,400.00	7,113.45	8,793.72	7,290.00	0.00	41.04	96.17	-1,628.86	1,052.24	1,642.69	1,605.74	36.95	44.456	
8,500.00	7,113.86	8,893.72	7,290.62	0.00	42.98	96.18	-1,628.62	1,152.24	1,642.69	1,603.55	39.14	41.971	
8,600.00	7,114.28	8,993.72	7,291.23	0.00	45.01	96.18	-1,628.37	1,252.24	1,642.69	1,601.33	41.36	39.714	
8,700.00	7,114.69	9,093.72	7,291.84	0.00	47.09	96.19	-1,628.12	1,352.24	1,642.69	1,599.07	43.62	37.660	
8,800.00	7,115.10	9,193.72	7,292.45	0.00	49.23	96.20	-1,627.87	1,452.23	1,642.69	1,596.79	45.90	35.787	
8,900.00	7,115.52	9,293.72	7,293.06	0.00	51.41	96.20	-1,627.62	1,552.23	1,642.69	1,594.48	48.21	34.075	
9,000.00	7,115.93	9,393.72	7,293.67	0.00	53.63	96.21	-1,627.37	1,652.23	1,642.69	1,592.15	50.53	32.507	
9,100.00	7,116.35	9,493.72	7,294.29	0.00	55.88	96.22	-1,627.12	1,752.23	1,642.69	1,589.81	52.88	31.067	
9,200.00	7,116.76	9,593.72	7,294.90	0.00	58.15	96.23	-1,626.88	1,852.22	1,642.69	1,587.45	55.23	29.741	
9,300.00	7,117.17	9,693.71	7,295.51	0.00	60.44	96.23	-1,626.63	1,952.22	1,642.68	1,585.08	57.60	28.517	
9,400.00	7,117.59	9,793.71	7,296.12	0.00	62.76	96.24	-1,626.38	2,052.22	1,642.68	1,582.70	59.99	27.384	
9,500.00	7,118.00	9,893.71	7,296.73	0.00	65.09	96.25	-1,626.13	2,152.22	1,642.68	1,580.30	62.38	26.334	
9,600.00	7,118.41	9,993.71	7,297.34	0.00	67.43	96.25	-1,625.88	2,252.21	1,642.68	1,577.90	64.78	25.357	
9,700.00	7,118.83	10,093.71	7,297.95	0.00	69.79	96.26	-1,625.63	2,352.21	1,642.68	1,575.49	67.19	24.448	
9,800.00	7,119.24	10,193.71	7,298.57	0.00	72.16	96.27	-1,625.39	2,452.21	1,642.68	1,573.07	69.61	23.599	
9,900.00	7,119.66	10,293.71	7,299.18	0.00	74.54	96.27	-1,625.14	2,552.21	1,642.68	1,570.65	72.03	22.805	
10,000.00	7,120.07	10,393.71	7,299.79	0.00	76.93	96.28	-1,624.89	2,652.20	1,642.68	1,568.22	74.46	22.061	
10,100.00	7,120.48	10,493.71	7,300.40	0.00	79.33	96.29	-1,624.64	2,752.20	1,642.68	1,565.78	76.90	21.362	
10,200.00	7,120.90	10,593.71	7,301.01	0.00	81.73	96.30	-1,624.39	2,852.20	1,642.68	1,563.34	79.34	20.705	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,693.71	7,301.62	0.00	84.15	96.30	-1,624.14	2,952.20	1,642.68	1,560.90	81.78	20.086	
10,400.00	7,121.73	10,793.71	7,302.24	0.00	86.57	96.31	-1,623.89	3,052.19	1,642.68	1,558.45	84.23	19.502	
10,500.00	7,122.14	10,893.71	7,302.85	0.00	88.99	96.32	-1,623.65	3,152.19	1,642.68	1,555.99	86.68	18.951	
10,600.00	7,122.55	10,993.71	7,303.46	0.00	91.42	96.32	-1,623.40	3,252.19	1,642.67	1,553.54	89.14	18.429	
10,700.00	7,122.97	11,093.71	7,304.07	0.00	93.86	96.33	-1,623.15	3,352.19	1,642.67	1,551.08	91.59	17.934	
10,800.00	7,123.38	11,193.71	7,304.68	0.00	96.30	96.34	-1,622.90	3,452.19	1,642.67	1,548.62	94.06	17.465	
10,900.00	7,123.79	11,293.71	7,305.29	0.00	98.75	96.34	-1,622.65	3,552.18	1,642.67	1,546.15	96.52	17.019	
11,000.00	7,124.21	11,393.71	7,305.90	0.00	101.20	96.35	-1,622.40	3,652.18	1,642.67	1,543.69	98.99	16.595	
11,100.00	7,124.62	11,493.71	7,306.52	0.00	103.65	96.36	-1,622.16	3,752.18	1,642.67	1,541.22	101.45	16.191	
11,200.00	7,125.04	11,593.71	7,307.13	0.00	106.11	96.36	-1,621.91	3,852.18	1,642.67	1,538.75	103.92	15.806	
11,300.00	7,125.45	11,693.71	7,307.74	0.00	108.57	96.37	-1,621.66	3,952.17	1,642.67	1,536.28	106.40	15.439	
11,400.00	7,125.86	11,793.71	7,308.35	0.00	111.03	96.38	-1,621.41	4,052.17	1,642.67	1,533.80	108.87	15.088	
11,500.00	7,126.28	11,893.71	7,308.96	0.00	113.49	96.39	-1,621.16	4,152.17	1,642.67	1,531.32	111.35	14.753	
11,600.00	7,126.69	11,993.71	7,309.57	0.00	115.96	96.39	-1,620.91	4,252.17	1,642.67	1,528.85	113.82	14.432	
11,700.00	7,127.11	12,093.71	7,310.19	0.00	118.43	96.40	-1,620.66	4,352.16	1,642.67	1,526.37	116.30	14.124	
11,800.00	7,127.52	12,193.71	7,310.80	0.00	120.91	96.41	-1,620.42	4,452.16	1,642.67	1,523.89	118.78	13.829	
11,900.00	7,127.93	12,293.71	7,311.41	0.00	123.38	96.41	-1,620.17	4,552.16	1,642.67	1,521.41	121.26	13.546	
12,000.00	7,128.35	12,393.71	7,312.02	0.00	125.86	96.42	-1,619.92	4,652.16	1,642.67	1,518.92	123.75	13.274	
12,100.00	7,128.76	12,493.71	7,312.63	0.00	128.34	96.43	-1,619.67	4,752.15	1,642.67	1,516.44	126.23	13.013	
12,200.00	7,129.18	12,593.71	7,313.24	0.00	130.82	96.43	-1,619.42	4,852.15	1,642.67	1,513.95	128.71	12.762	
12,300.00	7,129.59	12,693.71	7,313.85	0.00	133.30	96.44	-1,619.17	4,952.15	1,642.67	1,511.47	131.20	12.520	
12,400.00	7,130.00	12,793.71	7,314.47	0.00	135.79	96.45	-1,618.93	5,052.15	1,642.67	1,508.98	133.69	12.287	
12,500.00	7,130.42	12,893.71	7,315.08	0.00	138.27	96.45	-1,618.68	5,152.14	1,642.67	1,506.49	136.17	12.063	
12,600.00	7,130.83	12,993.71	7,315.69	0.00	140.76	96.46	-1,618.43	5,252.14	1,642.67	1,504.01	138.66	11.847	
12,700.00	7,131.24	13,093.71	7,316.30	0.00	143.25	96.47	-1,618.18	5,352.14	1,642.67	1,501.52	141.15	11.638	
12,800.00	7,131.66	13,193.71	7,316.91	0.00	145.74	96.48	-1,617.93	5,452.14	1,642.67	1,499.03	143.64	11.436	
12,900.00	7,132.07	13,293.71	7,317.52	0.00	148.23	96.48	-1,617.68	5,552.14	1,642.67	1,496.54	146.13	11.241	
13,000.00	7,132.49	13,393.71	7,318.13	0.00	150.72	96.49	-1,617.43	5,652.13	1,642.67	1,494.04	148.62	11.053	
13,035.62	7,132.63	13,429.33	7,318.35	0.00	151.61	96.49	-1,617.35	5,687.76	1,642.67	1,493.16	149.51	10.987	
13,100.00	7,132.90	13,493.71	7,318.75	0.00	153.22	96.50	-1,617.19	5,752.13	1,642.67	1,491.55	151.11	10.870	
13,200.00	7,133.31	13,593.71	7,319.36	0.00	155.71	96.50	-1,616.94	5,852.13	1,642.67	1,489.06	153.61	10.694	
13,300.00	7,133.73	13,693.71	7,319.97	0.00	158.21	96.51	-1,616.69	5,952.13	1,642.67	1,486.57	156.10	10.523	
13,400.00	7,134.14	13,793.71	7,320.58	0.00	160.70	96.52	-1,616.44	6,052.12	1,642.67	1,484.07	158.59	10.358	
13,500.00	7,134.56	13,893.71	7,321.19	0.00	163.20	96.52	-1,616.19	6,152.12	1,642.67	1,481.58	161.09	10.197	
13,600.00	7,134.97	13,993.71	7,321.80	0.00	165.70	96.53	-1,615.94	6,252.12	1,642.67	1,479.09	163.58	10.042	
13,700.00	7,135.38	14,093.71	7,322.42	0.00	168.20	96.54	-1,615.70	6,352.12	1,642.67	1,476.59	166.08	9.891	
13,800.00	7,135.80	14,193.71	7,323.03	0.00	170.70	96.54	-1,615.45	6,452.11	1,642.67	1,474.10	168.57	9.745	
13,900.00	7,136.21	14,293.71	7,323.64	0.00	173.20	96.55	-1,615.20	6,552.11	1,642.67	1,471.60	171.07	9.603	
14,000.00	7,136.62	14,393.71	7,324.25	0.00	175.70	96.56	-1,614.95	6,652.11	1,642.67	1,469.11	173.56	9.464	
14,100.00	7,137.04	14,493.71	7,324.86	0.00	178.21	96.57	-1,614.70	6,752.11	1,642.67	1,466.61	176.06	9.330	
14,200.00	7,137.45	14,593.71	7,325.47	0.00	180.71	96.57	-1,614.45	6,852.10	1,642.67	1,464.11	178.56	9.200	
14,300.00	7,137.87	14,693.71	7,326.08	0.00	183.21	96.58	-1,614.20	6,952.10	1,642.67	1,461.62	181.05	9.073	
14,400.00	7,138.28	14,793.70	7,326.70	0.00	185.72	96.59	-1,613.96	7,052.10	1,642.67	1,459.12	183.55	8.949	
14,500.00	7,138.69	14,893.70	7,327.31	0.00	188.22	96.59	-1,613.71	7,152.10	1,642.67	1,456.62	186.05	8.829	
14,600.00	7,139.11	14,993.70	7,327.92	0.00	190.73	96.60	-1,613.46	7,252.09	1,642.67	1,454.13	188.55	8.712	
14,700.00	7,139.52	15,093.70	7,328.53	0.00	193.24	96.61	-1,613.21	7,352.09	1,642.67	1,451.63	191.04	8.598	
14,800.00	7,139.94	15,193.70	7,329.14	0.00	195.74	96.61	-1,612.96	7,452.09	1,642.67	1,449.13	193.54	8.487	
14,900.00	7,140.35	15,293.70	7,329.75	0.00	198.25	96.62	-1,612.71	7,552.09	1,642.67	1,446.63	196.04	8.379	
15,000.00	7,140.76	15,393.70	7,330.37	0.00	200.76	96.63	-1,612.46	7,652.09	1,642.67	1,444.13	198.54	8.274	
15,100.00	7,141.18	15,493.70	7,330.98	0.00	203.27	96.64	-1,612.22	7,752.08	1,642.67	1,441.63	201.04	8.171	
15,200.00	7,141.59	15,593.70	7,331.59	0.00	205.77	96.64	-1,611.97	7,852.08	1,642.67	1,439.14	203.54	8.071	
15,300.00	7,142.00	15,693.70	7,332.20	0.00	208.28	96.65	-1,611.72	7,952.08	1,642.67	1,436.64	206.04	7.973	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,142.42	15,793.70	7,332.81	0.00	210.79	96.66	-1,611.47	8,052.08	1,642.67	1,434.14	208.54	7.877	
15,500.00	7,142.83	15,893.70	7,333.42	0.00	213.30	96.66	-1,611.22	8,152.07	1,642.68	1,431.64	211.04	7.784	
15,600.00	7,143.25	15,993.70	7,334.03	0.00	215.81	96.67	-1,610.97	8,252.07	1,642.68	1,429.14	213.54	7.693	
15,700.00	7,143.66	16,093.70	7,334.65	0.00	218.32	96.68	-1,610.73	8,352.07	1,642.68	1,426.64	216.04	7.604	
15,800.00	7,144.07	16,193.70	7,335.26	0.00	220.84	96.68	-1,610.48	8,452.07	1,642.68	1,424.14	218.54	7.517	
15,900.00	7,144.49	16,293.70	7,335.87	0.00	223.35	96.69	-1,610.23	8,552.06	1,642.68	1,421.64	221.04	7.432	
16,000.00	7,144.90	16,393.70	7,336.48	0.00	225.86	96.70	-1,609.98	8,652.06	1,642.68	1,419.14	223.54	7.349	
16,100.00	7,145.32	16,493.70	7,337.09	0.00	228.37	96.70	-1,609.73	8,752.06	1,642.68	1,416.64	226.04	7.267	
16,200.00	7,145.73	16,593.70	7,337.70	0.00	230.88	96.71	-1,609.48	8,852.06	1,642.68	1,414.14	228.54	7.188	
16,300.00	7,146.14	16,693.70	7,338.31	0.00	233.40	96.72	-1,609.23	8,952.05	1,642.68	1,411.64	231.04	7.110	
16,400.00	7,146.56	16,793.70	7,338.93	0.00	235.91	96.73	-1,608.99	9,052.05	1,642.68	1,409.14	233.54	7.034	
16,500.00	7,146.97	16,893.70	7,339.54	0.00	238.42	96.73	-1,608.74	9,152.05	1,642.68	1,406.64	236.04	6.959	
16,550.30	7,147.18	16,944.00	7,339.85	0.00	239.69	96.74	-1,608.61	9,202.35	1,642.68	1,405.38	237.30	6.922	
16,600.00	7,147.38	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,642.86	1,404.93	237.93	6.905	SF
16,700.00	7,147.80	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,647.39	1,409.46	237.93	6.924	
16,800.00	7,148.21	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,657.94	1,420.01	237.93	6.968	
16,900.00	7,148.63	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,674.41	1,436.48	237.93	7.037	
17,000.00	7,149.04	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,696.63	1,458.70	237.93	7.131	
17,100.00	7,149.45	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,724.37	1,486.43	237.93	7.247	
17,200.00	7,149.87	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,757.36	1,519.43	237.93	7.386	
17,232.03	7,150.00	16,969.28	7,340.00	0.00	240.32	96.74	-1,608.55	9,227.63	1,769.00	1,531.07	237.93	7.435	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-112.89	-40.69	120.04				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-112.89	-40.69	120.00	119.92	0.08	1,464.142	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-112.89	-40.69	120.00	119.70	0.30	396.678	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-112.89	-40.69	120.00	119.47	0.53	227.583	
400.00	399.98	396.98	399.98	0.00	0.75	-71.03	-112.89	-40.69	119.42	118.67	0.75	158.639	
500.00	499.84	496.84	499.84	0.00	0.98	-73.47	-112.89	-40.69	117.82	116.84	0.98	120.452	
600.00	599.47	596.47	599.47	0.00	1.20	-77.52	-112.89	-40.69	115.69	114.48	1.20	96.270	
700.00	699.05	696.05	699.05	0.00	1.42	-82.02	-112.89	-40.69	114.04	112.62	1.42	80.051	
800.00	798.62	795.62	798.62	0.00	1.65	-86.63	-112.89	-40.69	113.13	111.48	1.65	68.642	
817.08	815.63	812.16	815.16	0.00	1.68	-87.40	-112.92	-40.70	113.07	111.39	1.68	67.230	CC, ES
900.00	898.20	891.66	894.64	0.00	1.84	-90.95	-114.32	-41.01	114.44	112.60	1.84	62.242	
1,000.00	997.77	987.45	990.31	0.00	2.01	-94.66	-118.87	-42.03	119.60	117.59	2.01	59.463	
1,100.00	1,097.35	1,082.95	1,085.49	0.00	2.20	-97.55	-126.51	-43.74	128.37	126.18	2.19	58.584	
1,200.00	1,196.92	1,177.96	1,179.86	0.00	2.41	-99.55	-137.18	-46.13	140.49	138.11	2.38	59.011	
1,300.00	1,296.49	1,272.26	1,273.12	0.00	2.65	-100.76	-150.79	-49.18	155.74	153.16	2.58	60.353	
1,400.00	1,396.07	1,365.67	1,365.00	0.00	2.92	-101.32	-167.21	-52.86	174.00	171.20	2.79	62.331	
1,500.00	1,495.64	1,457.99	1,455.22	0.00	3.23	-101.40	-186.30	-57.13	195.15	192.14	3.01	64.757	
1,600.00	1,595.22	1,549.07	1,543.57	0.00	3.59	-101.13	-207.91	-61.97	219.14	215.90	3.25	67.514	
1,700.00	1,694.79	1,638.75	1,629.82	0.00	3.99	-100.63	-231.85	-67.33	245.93	242.44	3.49	70.523	
1,800.00	1,794.37	1,726.89	1,713.80	0.00	4.43	-100.00	-257.94	-73.18	275.47	271.73	3.74	73.738	
1,900.00	1,893.94	1,813.36	1,795.36	0.00	4.90	-99.29	-285.97	-79.45	307.72	303.73	3.99	77.125	
2,000.00	1,993.51	1,900.00	1,876.17	0.00	5.43	-98.53	-316.45	-86.28	342.62	338.37	4.25	80.546	
2,100.00	2,093.09	1,980.89	1,950.73	0.00	5.97	-97.80	-347.05	-93.13	380.11	375.60	4.51	84.270	
2,200.00	2,192.66	2,061.80	2,024.39	0.00	6.55	-97.07	-379.70	-100.45	420.13	415.36	4.77	88.006	
2,300.00	2,292.24	2,140.71	2,095.30	0.00	7.15	-96.36	-413.48	-108.01	462.60	457.57	5.04	91.854	
2,400.00	2,391.81	2,217.59	2,163.44	0.00	7.77	-95.69	-448.22	-115.79	507.45	502.16	5.30	95.818	
2,500.00	2,491.39	2,304.52	2,239.82	0.00	8.51	-95.00	-488.72	-124.87	553.75	548.15	5.60	98.971	
2,600.00	2,590.96	2,392.96	2,317.52	0.00	9.26	-94.39	-529.94	-134.10	600.11	594.21	5.90	101.678	
2,700.00	2,690.53	2,481.40	2,395.22	0.00	10.03	-93.88	-571.17	-143.33	646.52	640.30	6.21	104.066	
2,800.00	2,790.11	2,569.84	2,472.92	0.00	10.80	-93.43	-612.39	-152.56	692.96	686.44	6.53	106.188	
2,900.00	2,889.68	2,658.28	2,550.62	0.00	11.58	-93.04	-653.61	-161.79	739.43	732.59	6.84	108.082	
3,000.00	2,989.26	2,746.72	2,628.32	0.00	12.36	-92.70	-694.83	-171.03	785.93	778.77	7.16	109.779	
3,100.00	3,088.83	2,835.16	2,706.02	0.00	13.14	-92.39	-736.05	-180.26	832.45	824.97	7.48	111.307	
3,200.00	3,188.41	2,923.60	2,783.72	0.00	13.93	-92.12	-777.27	-189.49	878.98	871.18	7.80	112.687	
3,300.00	3,287.98	3,012.04	2,861.42	0.00	14.71	-91.87	-818.49	-198.72	925.53	917.40	8.12	113.938	
3,400.00	3,387.56	3,100.48	2,939.12	0.00	15.50	-91.65	-859.71	-207.96	972.08	963.64	8.45	115.077	
3,500.00	3,487.13	3,188.92	3,016.82	0.00	16.29	-91.45	-900.93	-217.19	1,018.65	1,009.88	8.77	116.114	
3,600.00	3,586.70	3,277.36	3,094.52	0.00	17.09	-91.27	-942.15	-226.42	1,065.23	1,056.13	9.10	117.064	
3,700.00	3,686.28	3,365.80	3,172.22	0.00	17.88	-91.10	-983.37	-235.65	1,111.82	1,102.39	9.43	117.937	
3,800.00	3,785.85	3,454.24	3,249.92	0.00	18.68	-90.94	-1,024.59	-244.88	1,158.41	1,148.66	9.76	118.742	
3,900.00	3,885.43	3,542.68	3,327.62	0.00	19.47	-90.80	-1,065.81	-254.12	1,205.01	1,194.93	10.08	119.486	
4,000.00	3,985.00	3,631.12	3,405.32	0.00	20.27	-90.67	-1,107.03	-263.35	1,251.62	1,241.20	10.41	120.175	
4,100.00	4,084.58	3,719.56	3,483.02	0.00	21.06	-90.54	-1,148.25	-272.58	1,298.23	1,287.48	10.75	120.815	
4,200.00	4,184.15	3,808.00	3,560.72	0.00	21.86	-90.43	-1,189.47	-281.81	1,344.84	1,333.76	11.08	121.410	
4,300.00	4,283.72	3,896.44	3,638.42	0.00	22.66	-90.32	-1,230.70	-291.04	1,391.46	1,380.05	11.41	121.965	
4,400.00	4,383.30	3,984.88	3,716.12	0.00	23.46	-90.22	-1,271.92	-300.28	1,438.08	1,426.34	11.74	122.482	
4,500.00	4,482.87	4,073.32	3,793.82	0.00	24.26	-90.13	-1,313.14	-309.51	1,484.71	1,472.63	12.07	122.967	
4,600.00	4,582.45	4,161.76	3,871.52	0.00	25.06	-90.04	-1,354.36	-318.74	1,531.33	1,518.93	12.41	123.422	
4,700.00	4,682.02	4,250.20	3,949.22	0.00	25.86	-89.96	-1,395.58	-327.97	1,577.96	1,565.22	12.74	123.849	
4,800.00	4,781.60	4,338.64	4,026.92	0.00	26.66	-89.88	-1,436.80	-337.21	1,624.60	1,611.52	13.08	124.252	
4,900.00	4,881.17	4,427.08	4,104.62	0.00	27.46	-89.80	-1,478.02	-346.44	1,671.23	1,657.82	13.41	124.631	
5,000.00	4,980.74	4,515.52	4,182.32	0.00	28.26	-89.73	-1,519.24	-355.67	1,717.87	1,704.13	13.74	124.988	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,603.96	4,260.02	0.00	29.06	-89.67	-1,560.46	-364.90	1,764.51	1,750.43	14.08	125.327	
5,200.00	5,179.89	4,692.40	4,337.72	0.00	29.87	-89.60	-1,601.68	-374.13	1,811.15	1,796.73	14.41	125.646	
5,300.00	5,279.47	4,780.84	4,415.42	0.00	30.67	-89.55	-1,642.90	-383.37	1,857.79	1,843.04	14.75	125.949	
5,400.00	5,379.04	4,869.28	4,493.12	0.00	31.47	-89.49	-1,684.12	-392.60	1,904.44	1,889.35	15.09	126.236	
5,500.00	5,478.62	4,957.72	4,570.82	0.00	32.27	-89.43	-1,725.34	-401.83	1,951.08	1,935.66	15.42	126.509	
5,600.00	5,578.19	5,046.16	4,648.52	0.00	33.07	-89.38	-1,766.56	-411.06	1,997.73	1,981.97	15.76	126.769	
5,700.00	5,677.77	5,134.60	4,726.22	0.00	33.88	-89.33	-1,807.78	-420.30	2,044.38	2,028.28	16.10	127.016	
5,800.00	5,777.34	5,223.04	4,803.92	0.00	34.68	-89.29	-1,849.00	-429.53	2,091.02	2,074.59	16.43	127.251	
5,900.00	5,876.91	5,311.48	4,881.62	0.00	35.48	-89.24	-1,890.23	-438.76	2,137.67	2,120.91	16.77	127.476	
6,000.00	5,976.49	5,399.92	4,959.32	0.00	36.29	-89.20	-1,931.45	-447.99	2,184.33	2,167.22	17.11	127.690	
6,100.00	6,076.06	5,619.34	5,154.48	0.00	37.87	-89.13	-2,029.21	-469.89	2,229.76	2,211.88	17.88	124.715	
6,200.00	6,175.64	6,017.83	5,525.96	0.00	40.01	-89.27	-2,169.05	-501.21	2,264.95	2,245.81	19.14	118.321	
6,300.00	6,275.24	6,450.56	5,947.57	0.00	41.57	-89.87	-2,262.39	-522.11	2,286.59	2,266.26	20.33	112.475	
6,400.00	6,375.13	6,879.58	6,375.06	0.00	42.26	90.13	-2,292.78	-528.89	2,293.36	2,272.21	21.15	108.415	
6,500.00	6,474.53	6,978.53	6,473.63	0.00	42.30	89.92	-2,292.76	-521.21	2,293.38	2,272.18	21.20	108.168	
6,600.00	6,571.72	7,077.81	6,570.51	0.00	42.29	89.92	-2,292.71	-499.93	2,293.39	2,272.23	21.17	108.352	
6,700.00	6,665.06	7,177.28	6,663.72	0.00	42.24	89.94	-2,292.62	-465.39	2,293.41	2,272.34	21.06	108.893	
6,800.00	6,752.94	7,276.86	6,751.32	0.00	42.16	89.93	-2,292.51	-418.22	2,293.42	2,272.50	20.92	109.649	
6,900.00	6,833.85	7,376.40	6,831.52	0.00	42.06	89.91	-2,292.37	-359.38	2,293.43	2,272.65	20.77	110.398	
7,000.00	6,906.42	7,475.81	6,902.70	0.00	41.95	89.88	-2,292.20	-290.11	2,293.43	2,272.74	20.69	110.830	
7,100.00	6,969.40	7,574.95	6,963.47	0.00	41.85	89.82	-2,292.01	-211.88	2,293.44	2,272.70	20.74	110.589	
7,200.00	7,021.72	7,674.40	7,014.59	0.00	41.76	89.79	-2,291.80	-126.60	2,293.44	2,272.48	20.96	109.418	
7,300.00	7,062.47	7,773.60	7,059.15	0.00	41.72	89.91	-2,291.58	-38.06	2,293.42	2,272.04	21.38	107.264	
7,400.00	7,090.97	7,873.33	7,091.24	0.00	41.72	90.01	-2,291.35	56.28	2,293.41	2,271.35	22.06	103.976	
7,500.00	7,106.72	7,973.57	7,110.00	0.00	41.78	90.08	-2,291.10	154.67	2,293.39	2,270.40	22.99	99.757	
7,600.00	7,110.14	8,074.05	7,115.08	0.00	41.93	90.12	-2,290.86	254.95	2,293.37	2,269.22	24.15	94.973	
7,700.00	7,110.55	8,174.05	7,115.53	0.00	42.17	90.12	-2,290.61	354.95	2,293.35	2,267.84	25.51	89.891	
7,800.00	7,110.97	8,274.05	7,115.97	0.00	42.51	90.13	-2,290.36	454.95	2,293.33	2,266.29	27.03	84.836	
7,900.00	7,111.38	8,374.05	7,116.42	0.00	42.98	90.13	-2,290.11	554.95	2,293.30	2,264.61	28.69	79.921	
8,000.00	7,111.79	8,474.05	7,116.86	0.00	43.58	90.13	-2,289.86	654.95	2,293.28	2,262.81	30.48	75.248	
8,100.00	7,112.21	8,574.05	7,117.31	0.00	44.33	90.13	-2,289.61	754.94	2,293.26	2,260.90	32.36	70.872	
8,200.00	7,112.62	8,674.05	7,117.75	0.00	45.25	90.13	-2,289.36	854.94	2,293.24	2,258.91	34.32	66.814	
8,300.00	7,113.03	8,774.05	7,118.20	0.00	46.33	90.13	-2,289.12	954.94	2,293.21	2,256.86	36.36	63.075	
8,400.00	7,113.45	8,874.05	7,118.64	0.00	47.58	90.13	-2,288.87	1,054.94	2,293.19	2,254.74	38.45	59.641	
8,500.00	7,113.86	8,974.05	7,119.09	0.00	48.98	90.13	-2,288.62	1,154.94	2,293.17	2,252.58	40.59	56.492	
8,600.00	7,114.28	9,074.05	7,119.53	0.00	50.52	90.13	-2,288.37	1,254.94	2,293.15	2,250.37	42.78	53.606	
8,700.00	7,114.69	9,174.05	7,119.98	0.00	52.18	90.13	-2,288.12	1,354.94	2,293.12	2,248.13	45.00	50.960	
8,800.00	7,115.10	9,274.05	7,120.42	0.00	53.94	90.13	-2,287.87	1,454.94	2,293.10	2,245.85	47.25	48.531	
8,900.00	7,115.52	9,374.05	7,120.87	0.00	55.79	90.13	-2,287.62	1,554.93	2,293.08	2,243.55	49.53	46.298	
9,000.00	7,115.93	9,474.05	7,121.31	0.00	57.73	90.13	-2,287.38	1,654.93	2,293.06	2,241.23	51.83	44.242	
9,100.00	7,116.35	9,574.05	7,121.76	0.00	59.72	90.14	-2,287.13	1,754.93	2,293.03	2,238.88	54.15	42.344	
9,200.00	7,116.76	9,674.05	7,122.20	0.00	61.77	90.14	-2,286.88	1,854.93	2,293.01	2,236.52	56.49	40.590	
9,300.00	7,117.17	9,774.05	7,122.65	0.00	63.87	90.14	-2,286.63	1,954.93	2,292.99	2,234.14	58.85	38.966	
9,400.00	7,117.59	9,874.05	7,123.09	0.00	66.01	90.14	-2,286.38	2,054.93	2,292.97	2,231.75	61.22	37.457	
9,500.00	7,118.00	9,974.05	7,123.54	0.00	68.18	90.14	-2,286.13	2,154.93	2,292.94	2,229.35	63.60	36.055	
9,600.00	7,118.41	10,074.05	7,123.98	0.00	70.38	90.14	-2,285.88	2,254.92	2,292.92	2,226.93	65.99	34.747	
9,700.00	7,118.83	10,174.05	7,124.42	0.00	72.61	90.14	-2,285.64	2,354.92	2,292.90	2,224.51	68.39	33.527	
9,800.00	7,119.24	10,274.05	7,124.87	0.00	74.86	90.14	-2,285.39	2,454.92	2,292.88	2,222.08	70.80	32.385	
9,900.00	7,119.66	10,374.05	7,125.31	0.00	77.13	90.14	-2,285.14	2,554.92	2,292.85	2,219.64	73.22	31.315	
10,000.00	7,120.07	10,474.05	7,125.76	0.00	79.42	90.14	-2,284.89	2,654.92	2,292.83	2,217.19	75.64	30.310	
10,100.00	7,120.48	10,574.05	7,126.20	0.00	81.73	90.14	-2,284.64	2,754.92	2,292.81	2,214.73	78.08	29.366	
10,200.00	7,120.90	10,674.05	7,126.65	0.00	84.05	90.14	-2,284.39	2,854.92	2,292.79	2,212.27	80.52	28.477	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,121.31	10,774.05	7,127.09	0.00	86.39	90.14	-2,284.15	2,954.92	2,292.76	2,209.81	82.96	27.638	
10,400.00	7,121.73	10,874.05	7,127.54	0.00	88.73	90.15	-2,283.90	3,054.91	2,292.74	2,207.34	85.41	26.845	
10,500.00	7,122.14	10,974.05	7,127.98	0.00	91.09	90.15	-2,283.65	3,154.91	2,292.72	2,204.86	87.86	26.095	
10,600.00	7,122.55	11,074.05	7,128.43	0.00	93.46	90.15	-2,283.40	3,254.91	2,292.70	2,202.38	90.32	25.385	
10,700.00	7,122.97	11,174.05	7,128.87	0.00	95.83	90.15	-2,283.15	3,354.91	2,292.67	2,199.90	92.78	24.712	
10,800.00	7,123.38	11,274.05	7,129.32	0.00	98.22	90.15	-2,282.90	3,454.91	2,292.65	2,197.41	95.24	24.072	
10,900.00	7,123.79	11,374.05	7,129.76	0.00	100.61	90.15	-2,282.65	3,554.91	2,292.63	2,194.92	97.71	23.464	
11,000.00	7,124.21	11,474.05	7,130.21	0.00	103.01	90.15	-2,282.41	3,654.91	2,292.61	2,192.43	100.18	22.885	
11,100.00	7,124.62	11,574.05	7,130.65	0.00	105.41	90.15	-2,282.16	3,754.91	2,292.58	2,189.93	102.65	22.333	
11,200.00	7,125.04	11,674.05	7,131.10	0.00	107.83	90.15	-2,281.91	3,854.90	2,292.56	2,187.43	105.13	21.807	
11,300.00	7,125.45	11,774.05	7,131.54	0.00	110.24	90.15	-2,281.66	3,954.90	2,292.54	2,184.93	107.61	21.305	
11,400.00	7,125.86	11,874.05	7,131.99	0.00	112.66	90.15	-2,281.41	4,054.90	2,292.52	2,182.43	110.09	20.824	
11,500.00	7,126.28	11,974.05	7,132.43	0.00	115.09	90.15	-2,281.16	4,154.90	2,292.49	2,179.92	112.57	20.365	
11,600.00	7,126.69	12,074.05	7,132.88	0.00	117.52	90.15	-2,280.91	4,254.90	2,292.47	2,177.42	115.06	19.925	
11,700.00	7,127.11	12,174.05	7,133.32	0.00	119.96	90.16	-2,280.67	4,354.90	2,292.45	2,174.91	117.54	19.503	
11,800.00	7,127.52	12,274.05	7,133.76	0.00	122.40	90.16	-2,280.42	4,454.90	2,292.43	2,172.40	120.03	19.099	
11,900.00	7,127.93	12,374.05	7,134.21	0.00	124.84	90.16	-2,280.17	4,554.89	2,292.40	2,169.88	122.52	18.711	
12,000.00	7,128.35	12,474.05	7,134.65	0.00	127.29	90.16	-2,279.92	4,654.89	2,292.38	2,167.37	125.01	18.337	
12,100.00	7,128.76	12,574.05	7,135.10	0.00	129.74	90.16	-2,279.67	4,754.89	2,292.36	2,164.86	127.50	17.979	
12,200.00	7,129.18	12,674.05	7,135.54	0.00	132.19	90.16	-2,279.42	4,854.89	2,292.34	2,162.34	130.00	17.634	
12,300.00	7,129.59	12,774.05	7,135.99	0.00	134.64	90.16	-2,279.17	4,954.89	2,292.31	2,159.82	132.49	17.301	
12,400.00	7,130.00	12,874.05	7,136.43	0.00	137.10	90.16	-2,278.93	5,054.89	2,292.29	2,157.30	134.99	16.981	
12,500.00	7,130.42	12,974.05	7,136.88	0.00	139.56	90.16	-2,278.68	5,154.89	2,292.27	2,154.78	137.49	16.673	
12,600.00	7,130.83	13,074.05	7,137.32	0.00	142.03	90.16	-2,278.43	5,254.89	2,292.25	2,152.26	139.99	16.375	
12,700.00	7,131.24	13,174.05	7,137.77	0.00	144.49	90.16	-2,278.18	5,354.88	2,292.22	2,149.74	142.49	16.087	
12,800.00	7,131.66	13,274.05	7,138.21	0.00	146.96	90.16	-2,277.93	5,454.88	2,292.20	2,147.21	144.99	15.810	
12,900.00	7,132.07	13,374.05	7,138.66	0.00	149.43	90.16	-2,277.68	5,554.88	2,292.18	2,144.69	147.49	15.541	
13,000.00	7,132.49	13,474.05	7,139.10	0.00	151.90	90.17	-2,277.43	5,654.88	2,292.16	2,142.17	149.99	15.282	
13,100.00	7,132.90	13,574.05	7,139.55	0.00	154.37	90.17	-2,277.19	5,754.88	2,292.13	2,139.64	152.50	15.031	
13,200.00	7,133.31	13,674.05	7,139.99	0.00	156.85	90.17	-2,276.94	5,854.88	2,292.11	2,137.11	155.00	14.788	
13,300.00	7,133.73	13,774.05	7,140.44	0.00	159.32	90.17	-2,276.69	5,954.88	2,292.09	2,134.59	157.50	14.553	
13,400.00	7,134.14	13,874.05	7,140.88	0.00	161.80	90.17	-2,276.44	6,054.88	2,292.07	2,132.06	160.01	14.325	
13,500.00	7,134.56	13,974.05	7,141.33	0.00	164.28	90.17	-2,276.19	6,154.87	2,292.04	2,129.53	162.52	14.103	
13,600.00	7,134.97	14,074.05	7,141.77	0.00	166.76	90.17	-2,275.94	6,254.87	2,292.02	2,127.00	165.02	13.889	
13,700.00	7,135.38	14,174.05	7,142.22	0.00	169.25	90.17	-2,275.69	6,354.87	2,292.00	2,124.47	167.53	13.681	
13,800.00	7,135.80	14,274.05	7,142.66	0.00	171.73	90.17	-2,275.45	6,454.87	2,291.98	2,121.94	170.04	13.479	
13,900.00	7,136.21	14,374.05	7,143.11	0.00	174.21	90.17	-2,275.20	6,554.87	2,291.95	2,119.41	172.55	13.283	
14,000.00	7,136.62	14,474.05	7,143.55	0.00	176.70	90.17	-2,274.95	6,654.87	2,291.93	2,116.87	175.06	13.092	
14,100.00	7,137.04	14,574.05	7,143.99	0.00	179.19	90.17	-2,274.70	6,754.87	2,291.91	2,114.34	177.57	12.907	
14,200.00	7,137.45	14,674.05	7,144.44	0.00	181.68	90.17	-2,274.45	6,854.86	2,291.89	2,111.81	180.08	12.727	
14,300.00	7,137.87	14,774.05	7,144.88	0.00	184.17	90.18	-2,274.20	6,954.86	2,291.87	2,109.28	182.59	12.552	
14,400.00	7,138.28	14,874.05	7,145.33	0.00	186.66	90.18	-2,273.95	7,054.86	2,291.84	2,106.74	185.10	12.382	
14,500.00	7,138.69	14,974.05	7,145.77	0.00	189.15	90.18	-2,273.71	7,154.86	2,291.82	2,104.21	187.61	12.216	
14,600.00	7,139.11	15,074.05	7,146.22	0.00	191.64	90.18	-2,273.46	7,254.86	2,291.80	2,101.67	190.12	12.054	
14,700.00	7,139.52	15,174.05	7,146.66	0.00	194.14	90.18	-2,273.21	7,354.86	2,291.78	2,099.14	192.64	11.897	
14,800.00	7,139.94	15,274.05	7,147.11	0.00	196.63	90.18	-2,272.96	7,454.86	2,291.75	2,096.60	195.15	11.744	
14,900.00	7,140.35	15,374.05	7,147.55	0.00	199.13	90.18	-2,272.71	7,554.86	2,291.73	2,094.07	197.66	11.594	
15,000.00	7,140.76	15,474.05	7,148.00	0.00	201.62	90.18	-2,272.46	7,654.85	2,291.71	2,091.53	200.18	11.448	
15,100.00	7,141.18	15,574.05	7,148.44	0.00	204.12	90.18	-2,272.21	7,754.85	2,291.69	2,088.99	202.69	11.306	
15,200.00	7,141.59	15,674.05	7,148.89	0.00	206.62	90.18	-2,271.97	7,854.85	2,291.66	2,086.46	205.21	11.168	
15,300.00	7,142.00	15,774.05	7,149.33	0.00	209.12	90.18	-2,271.72	7,954.85	2,291.64	2,083.92	207.72	11.032	
15,400.00	7,142.42	15,874.05	7,149.78	0.00	211.61	90.18	-2,271.47	8,054.85	2,291.62	2,081.38	210.24	10.900	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

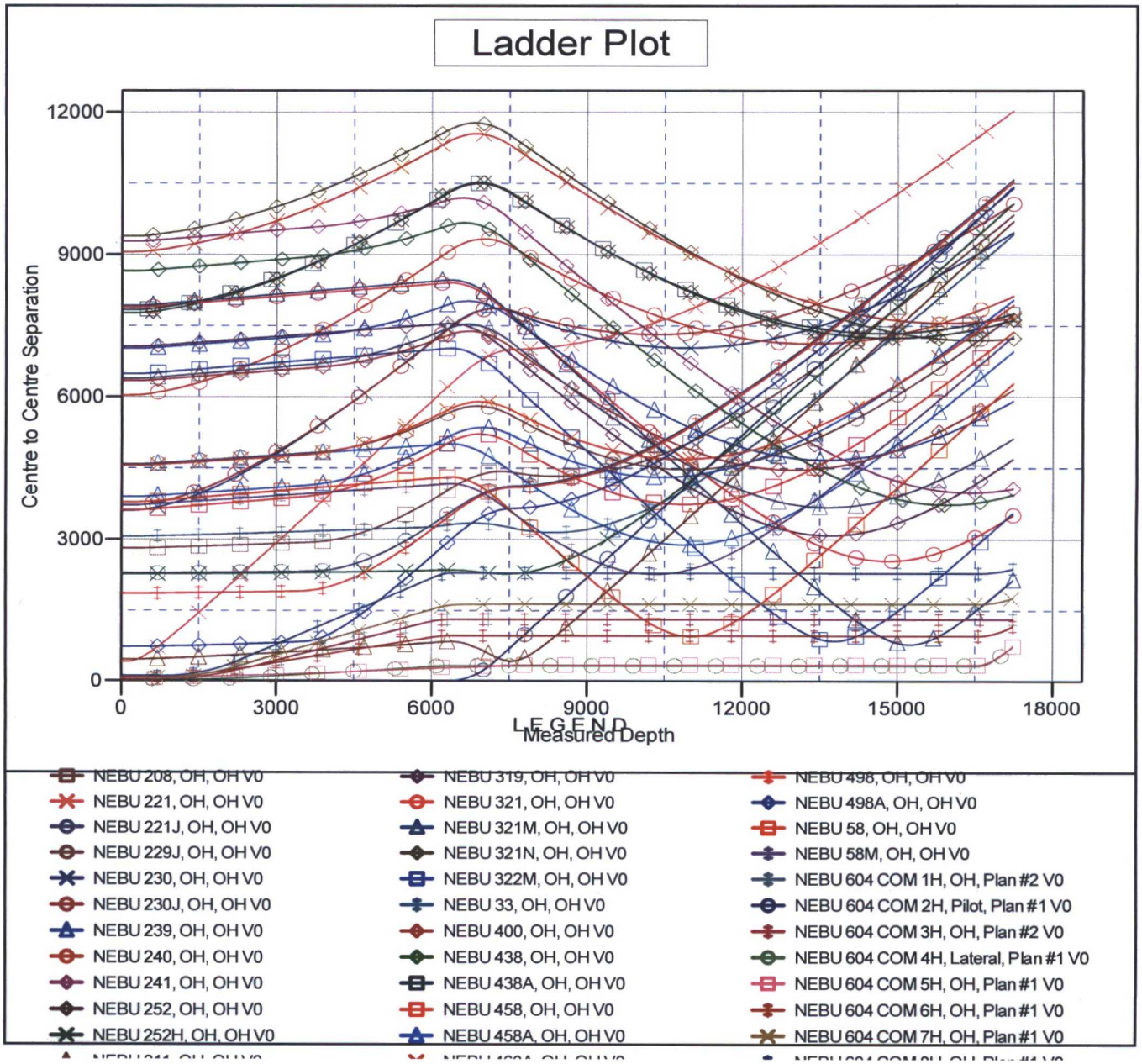
Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,142.83	15,974.05	7,150.22	0.00	214.11	90.18	-2,271.22	8,154.85	2,291.60	2,078.84	212.75	10.771	
15,600.00	7,143.25	16,074.05	7,150.67	0.00	216.61	90.19	-2,270.97	8,254.85	2,291.57	2,076.31	215.27	10.645	
15,700.00	7,143.66	16,174.05	7,151.11	0.00	219.12	90.19	-2,270.72	8,354.85	2,291.55	2,073.77	217.78	10.522	
15,800.00	7,144.07	16,274.05	7,151.56	0.00	221.62	90.19	-2,270.47	8,454.84	2,291.53	2,071.23	220.30	10.402	
15,900.00	7,144.49	16,374.05	7,152.00	0.00	224.12	90.19	-2,270.23	8,554.84	2,291.51	2,068.69	222.82	10.284	
16,000.00	7,144.90	16,474.05	7,152.45	0.00	226.62	90.19	-2,269.98	8,654.84	2,291.48	2,066.15	225.33	10.169	
16,100.00	7,145.32	16,574.05	7,152.89	0.00	229.13	90.19	-2,269.73	8,754.84	2,291.46	2,063.61	227.85	10.057	
16,200.00	7,145.73	16,674.05	7,153.33	0.00	231.63	90.19	-2,269.48	8,854.84	2,291.44	2,061.07	230.37	9.947	
16,300.00	7,146.14	16,774.05	7,153.78	0.00	234.13	90.19	-2,269.23	8,954.84	2,291.42	2,058.53	232.88	9.839	
16,400.00	7,146.56	16,874.05	7,154.22	0.00	236.64	90.19	-2,268.98	9,054.84	2,291.39	2,055.99	235.40	9.734	
16,500.00	7,146.97	16,974.05	7,154.67	0.00	239.14	90.19	-2,268.74	9,154.83	2,291.37	2,053.45	237.92	9.631	
16,561.84	7,147.23	17,035.89	7,154.94	0.00	240.69	90.19	-2,268.58	9,216.68	2,291.36	2,051.88	239.48	9.568	
16,600.00	7,147.38	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,291.49	2,051.70	239.79	9.556	SF
16,700.00	7,147.80	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,294.76	2,054.97	239.79	9.570	
16,800.00	7,148.21	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,302.38	2,062.59	239.79	9.602	
16,900.00	7,148.63	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,314.30	2,074.50	239.79	9.651	
17,000.00	7,149.04	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,330.45	2,090.65	239.79	9.719	
17,100.00	7,149.45	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,350.74	2,110.95	239.79	9.803	
17,200.00	7,149.87	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,375.08	2,135.29	239.79	9.905	
17,232.03	7,150.00	17,048.46	7,155.00	0.00	241.01	90.19	-2,268.55	9,229.25	2,383.71	2,143.92	239.79	9.941	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 6500' & RKB 25' @ 6525.00usft	Coordinates are relative to: NEBU 604 COM 2H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Western Zone
Central Meridian is -107.8333334	Grid Convergence at Surface is: 0.18°

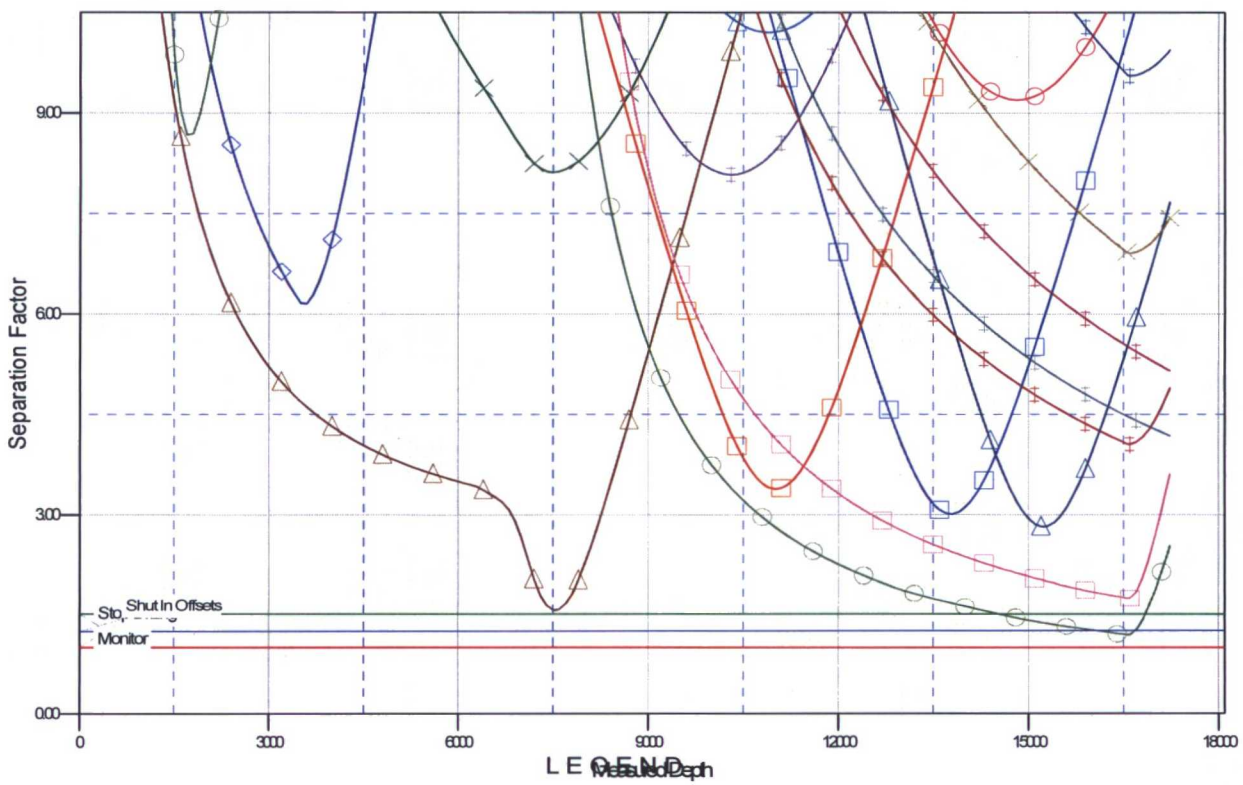
Ladder Plot



Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Lateral	**Database:**	Grand Junction District
Reference Design:	Plan #2	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 6500' & RKB 25' @ 6525.00usft	Coordinates are relative to: NEBU 604 COM 2H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Western Zone
Central Meridian is -107.8333334	Grid Convergence at Surface is: 0.18°

Separation Factor Plot



LEGEND

NEBU 208, OH, OH V0	NEBU 319, OH, OH V0	NEBU 498, OH, OH V0
NEBU 221, OH, OH V0	NEBU 321, OH, OH V0	NEBU 498A, OH, OH V0
NEBU 221J, OH, OH V0	NEBU 321M, OH, OH V0	NEBU 58, OH, OH V0
NEBU 229J, OH, OH V0	NEBU 321N, OH, OH V0	NEBU 58M, OH, OH V0
NEBU 230, OH, OH V0	NEBU 322M, OH, OH V0	NEBU 604 COM 1H, OH, Plan #2 V0
NEBU 230J, OH, OH V0	NEBU 33, OH, OH V0	NEBU 604 COM 2H, Pilot, Plan #1 V0
NEBU 239, OH, OH V0	NEBU 400, OH, OH V0	NEBU 604 COM 3H, OH, Plan #2 V0
NEBU 240, OH, OH V0	NEBU 438, OH, OH V0	NEBU 604 COM 4H, Lateral, Plan #1 V0
NEBU 241, OH, OH V0	NEBU 438A, OH, OH V0	NEBU 604 COM 5H, OH, Plan #1 V0
NEBU 252, OH, OH V0	NEBU 458, OH, OH V0	NEBU 604 COM 6H, OH, Plan #1 V0
NEBU 252H, OH, OH V0	NEBU 458A, OH, OH V0	NEBU 604 COM 7H, OH, Plan #1 V0

Company: B.P.
Project: San Juan County, NM NAD83
Site: NEBU 604 Pad
Well: NEBU 604 COM 2H

Scientific Drilling

Well Details: NEBU 604 COM 2H

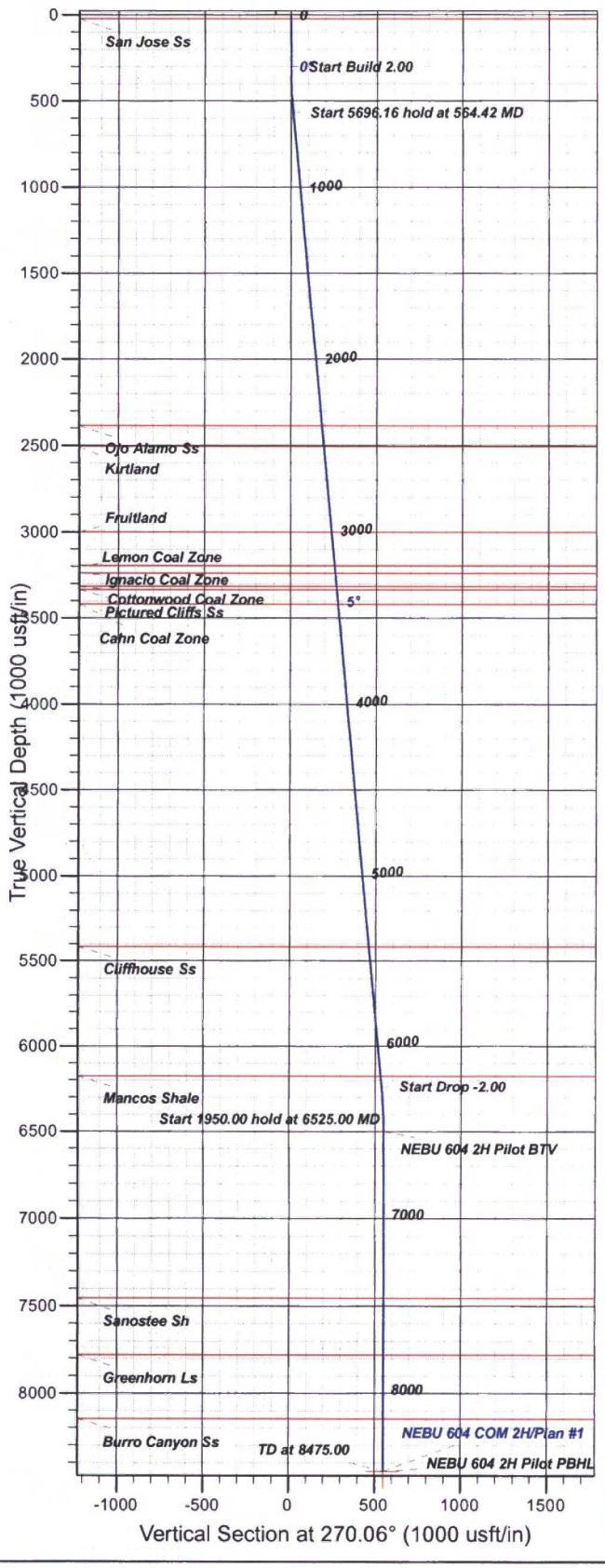
GL 6500' & RKB 25' @ 6525.00usft

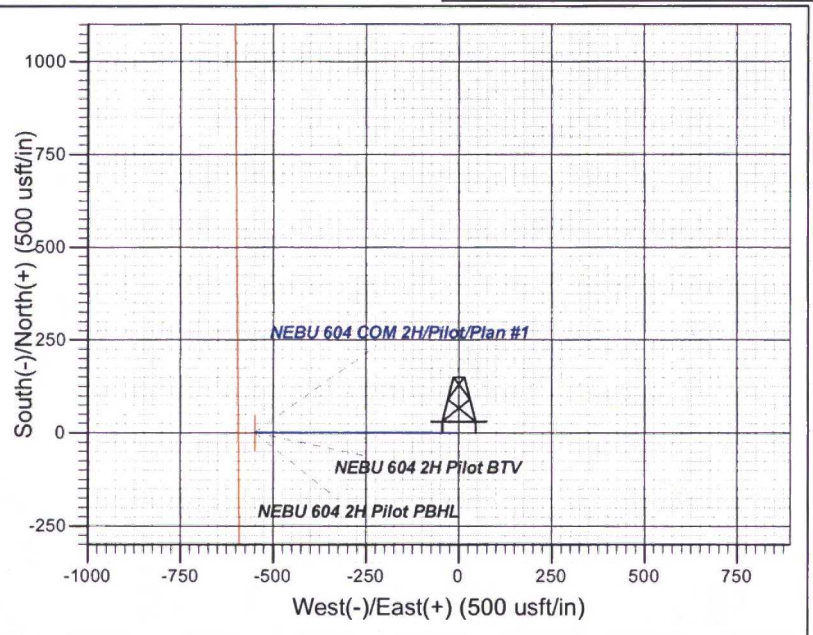
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	2147644.56	2812001.96	36.9015838	-107.5292464	

T G M

Azimuths to Grid North
True North: -0.18°
Magnetic North: 8.97°

Magnetic Field
Strength: 50137.8snT
Dip Angle: 63.55°
Date: 8/31/2016
Model: HDGM





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
25.00	25.00	San Jose Ss
2385.00	2393.16	Ojo Alamo Ss
2505.00	2513.67	Kirtland
3000.00	3010.79	Fruitland
3195.00	3206.62	Lemon Coal Zone
3240.00	3251.81	Ignacio Coal Zone
3315.00	3327.13	Cottonwood Coal Zone
3335.00	3347.22	Pictured Cliffs Ss
3420.00	3432.58	Cahn Coal Zone
5415.00	5436.11	Cliffhouse Ss
6175.00	6199.36	Mancos Shale
7455.00	7480.00	Sanostee Sh
7780.00	7805.00	Greenhorn Ls
8150.00	8175.00	Burro Canyon Ss

Plan: Plan #1

10:48, January 30 2017
Created By: Janie Collins

PROJECT DETAILS: San Juan County, NM NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone

System Datum: Mean Sea Level

CASING DETAILS

No casing data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	564.42	5.29	270.06	564.04	0.01	-12.19	2.00	270.06	12.19	
4	6260.58	5.29	270.06	6235.96	0.52	-537.20	0.00	0.00	537.20	
5	6525.00	0.00	0.00	6500.00	0.53	-549.39	2.00	180.00	549.39	NEBU 604 2H Pilot BTV
6	8475.00	0.00	0.00	8450.00	0.53	-549.39	0.00	0.00	549.39	NEBU 604 2H Pilot PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
NEBU 604 2H Pilot BTV - plan hits target center	6500.00	0.53	-549.39	2147645.09	2811452.57	36.9015900	-107.5311253	Point
NEBU 604 2H Pilot PBHL - plan hits target center	8450.00	0.53	-549.39	2147645.09	2811452.57	36.90	-107.5311253	Point



B.P.

San Juan County, NM NAD83
NEBU 604 Pad
NEBU 604 COM 2H

Pilot

Plan: Plan #1

Standard Planning Report

30 January, 2017





www.scientificdrilling.com

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #1		

Project	San Juan County, NM NAD83		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	NEBU 604 Pad				
Site Position:		**Northing:**	2,147,663.38 usft	**Latitude:**	36.9016354
From:	Map	**Easting:**	2,812,008.74 usft	**Longitude:**	-107.5292230
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.18 °

Well	NEBU 604 COM 2H					
Well Position	**+N/-S**	-18.82 usft	**Northing:**	2,147,644.56 usft	**Latitude:**	36.9015837
	+E/-W	-6.78 usft	**Easting:**	2,812,001.96 usft	**Longitude:**	-107.5292464
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	6,500.00 usft

Wellbore	Pilot			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	8/31/2016	9.15	63.55	50,138

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.00	0.00	0.00	270.06	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
564.42	5.29	270.06	564.04	0.01	-12.19	2.00	2.00	0.00	270.06	
6,260.58	5.29	270.06	6,235.96	0.52	-537.20	0.00	0.00	0.00	0.00	
6,525.00	0.00	0.00	6,500.00	0.53	-549.39	2.00	-2.00	0.00	180.00	NEBU 604 2H Pilot B
8,475.00	0.00	0.00	8,450.00	0.53	-549.39	0.00	0.00	0.00	0.00	NEBU 604 2H Pilot PI

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
San Jose Ss									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	2.00	270.06	399.98	0.00	-1.75	1.75	2.00	2.00	0.00
500.00	4.00	270.06	499.84	0.01	-6.98	6.98	2.00	2.00	0.00
564.42	5.29	270.06	564.04	0.01	-12.19	12.19	2.00	2.00	0.00
600.00	5.29	270.06	599.47	0.01	-15.47	15.47	0.00	0.00	0.00
700.00	5.29	270.06	699.05	0.02	-24.69	24.69	0.00	0.00	0.00
800.00	5.29	270.06	798.62	0.03	-33.91	33.91	0.00	0.00	0.00
900.00	5.29	270.06	898.19	0.04	-43.12	43.12	0.00	0.00	0.00
1,000.00	5.29	270.06	997.77	0.05	-52.34	52.34	0.00	0.00	0.00
1,100.00	5.29	270.06	1,097.34	0.06	-61.56	61.56	0.00	0.00	0.00
1,200.00	5.29	270.06	1,196.92	0.07	-70.77	70.77	0.00	0.00	0.00
1,300.00	5.29	270.06	1,296.49	0.08	-79.99	79.99	0.00	0.00	0.00
1,400.00	5.29	270.06	1,396.07	0.09	-89.21	89.21	0.00	0.00	0.00
1,500.00	5.29	270.06	1,495.64	0.09	-98.42	98.42	0.00	0.00	0.00
1,600.00	5.29	270.06	1,595.21	0.10	-107.64	107.64	0.00	0.00	0.00
1,700.00	5.29	270.06	1,694.79	0.11	-116.86	116.86	0.00	0.00	0.00
1,800.00	5.29	270.06	1,794.36	0.12	-126.07	126.07	0.00	0.00	0.00
1,900.00	5.29	270.06	1,893.94	0.13	-135.29	135.29	0.00	0.00	0.00
2,000.00	5.29	270.06	1,993.51	0.14	-144.51	144.51	0.00	0.00	0.00
2,100.00	5.29	270.06	2,093.08	0.15	-153.72	153.72	0.00	0.00	0.00
2,200.00	5.29	270.06	2,192.66	0.16	-162.94	162.94	0.00	0.00	0.00
2,300.00	5.29	270.06	2,292.23	0.17	-172.16	172.16	0.00	0.00	0.00
2,393.16	5.29	270.06	2,385.00	0.17	-180.74	180.75	0.00	0.00	0.00
Ojo Alamo Ss									
2,400.00	5.29	270.06	2,391.81	0.17	-181.37	181.38	0.00	0.00	0.00
2,500.00	5.29	270.06	2,491.38	0.18	-190.59	190.59	0.00	0.00	0.00
2,513.67	5.29	270.06	2,505.00	0.19	-191.85	191.85	0.00	0.00	0.00
Kirtland									
2,599.99	5.29	270.06	2,590.96	0.19	-199.81	199.81	0.00	0.00	0.00
2,699.99	5.29	270.06	2,690.53	0.20	-209.03	209.03	0.00	0.00	0.00
2,799.99	5.29	270.06	2,790.10	0.21	-218.24	218.24	0.00	0.00	0.00
2,899.99	5.29	270.06	2,889.68	0.22	-227.46	227.46	0.00	0.00	0.00
2,999.99	5.29	270.06	2,989.25	0.23	-236.68	236.68	0.00	0.00	0.00
3,010.79	5.29	270.06	3,000.00	0.23	-237.67	237.67	0.00	0.00	0.00
Fruitland									
3,099.99	5.29	270.06	3,088.83	0.24	-245.89	245.89	0.00	0.00	0.00
3,199.99	5.29	270.06	3,188.40	0.25	-255.11	255.11	0.00	0.00	0.00
3,206.62	5.29	270.06	3,195.00	0.25	-255.72	255.72	0.00	0.00	0.00
Lemon Coal Zone									
3,251.81	5.29	270.06	3,240.00	0.25	-259.89	259.89	0.00	0.00	0.00
Ignacio Coal Zone									
3,299.99	5.29	270.06	3,287.97	0.25	-264.33	264.33	0.00	0.00	0.00
3,327.13	5.29	270.06	3,315.00	0.26	-266.83	266.83	0.00	0.00	0.00
Cottonwood Coal Zone									
3,347.22	5.29	270.06	3,335.00	0.26	-268.68	268.68	0.00	0.00	0.00
Pictured Cliffs Ss									
3,399.99	5.29	270.06	3,387.55	0.26	-273.54	273.54	0.00	0.00	0.00
3,432.58	5.29	270.06	3,420.00	0.27	-276.55	276.55	0.00	0.00	0.00

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Cahn Coal Zone									
3,499.99	5.29	270.06	3,487.12	0.27	-282.76	282.76	0.00	0.00	0.00
3,599.99	5.29	270.06	3,586.70	0.28	-291.98	291.98	0.00	0.00	0.00
3,699.99	5.29	270.06	3,686.27	0.29	-301.19	301.19	0.00	0.00	0.00
3,799.99	5.29	270.06	3,785.84	0.30	-310.41	310.41	0.00	0.00	0.00
3,899.99	5.29	270.06	3,885.42	0.31	-319.63	319.63	0.00	0.00	0.00
3,999.99	5.29	270.06	3,984.99	0.32	-328.84	328.84	0.00	0.00	0.00
4,099.99	5.29	270.06	4,084.57	0.33	-338.06	338.06	0.00	0.00	0.00
4,199.99	5.29	270.06	4,184.14	0.34	-347.28	347.28	0.00	0.00	0.00
4,299.99	5.29	270.06	4,283.72	0.34	-356.49	356.49	0.00	0.00	0.00
4,399.99	5.29	270.06	4,383.29	0.35	-365.71	365.71	0.00	0.00	0.00
4,499.99	5.29	270.06	4,482.86	0.36	-374.93	374.93	0.00	0.00	0.00
4,599.99	5.29	270.06	4,582.44	0.37	-384.14	384.14	0.00	0.00	0.00
4,699.99	5.29	270.06	4,682.01	0.38	-393.36	393.36	0.00	0.00	0.00
4,799.99	5.29	270.06	4,781.59	0.39	-402.58	402.58	0.00	0.00	0.00
4,899.99	5.29	270.06	4,881.16	0.40	-411.79	411.79	0.00	0.00	0.00
4,999.99	5.29	270.06	4,980.73	0.41	-421.01	421.01	0.00	0.00	0.00
5,099.99	5.29	270.06	5,080.31	0.42	-430.23	430.23	0.00	0.00	0.00
5,199.99	5.29	270.06	5,179.88	0.42	-439.44	439.44	0.00	0.00	0.00
5,299.99	5.29	270.06	5,279.46	0.43	-448.66	448.66	0.00	0.00	0.00
5,399.99	5.29	270.06	5,379.03	0.44	-457.88	457.88	0.00	0.00	0.00
5,436.11	5.29	270.06	5,415.00	0.44	-461.21	461.21	0.00	0.00	0.00
Cliffhouse Ss									
5,499.99	5.29	270.06	5,478.61	0.45	-467.09	467.09	0.00	0.00	0.00
5,599.99	5.29	270.06	5,578.18	0.46	-476.31	476.31	0.00	0.00	0.00
5,699.99	5.29	270.06	5,677.75	0.47	-485.53	485.53	0.00	0.00	0.00
5,799.99	5.29	270.06	5,777.33	0.48	-494.74	494.74	0.00	0.00	0.00
5,899.99	5.29	270.06	5,876.90	0.49	-503.96	503.96	0.00	0.00	0.00
5,999.99	5.29	270.06	5,976.48	0.50	-513.18	513.18	0.00	0.00	0.00
6,099.99	5.29	270.06	6,076.05	0.50	-522.39	522.39	0.00	0.00	0.00
6,199.36	5.29	270.06	6,175.00	0.51	-531.55	531.55	0.00	0.00	0.00
Mancos Shale									
6,199.99	5.29	270.06	6,175.62	0.51	-531.61	531.61	0.00	0.00	0.00
6,260.58	5.29	270.06	6,235.96	0.52	-537.20	537.20	0.00	0.00	0.00
6,299.99	4.50	270.06	6,275.22	0.52	-540.56	540.56	2.00	-2.00	0.00
6,399.99	2.50	270.06	6,375.03	0.53	-546.66	546.66	2.00	-2.00	0.00
6,499.99	0.50	270.06	6,474.99	0.53	-549.28	549.28	2.00	-2.00	0.00
6,525.00	0.00	0.00	6,500.00	0.53	-549.39	549.39	2.00	-2.00	0.00
NEBU 604 2H Pilot BTV									
6,599.99	0.00	0.00	6,574.99	0.53	-549.39	549.39	0.00	0.00	0.00
6,699.99	0.00	0.00	6,674.99	0.53	-549.39	549.39	0.00	0.00	0.00
6,799.99	0.00	0.00	6,774.99	0.53	-549.39	549.39	0.00	0.00	0.00
6,899.99	0.00	0.00	6,874.99	0.53	-549.39	549.39	0.00	0.00	0.00
6,999.99	0.00	0.00	6,974.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,099.99	0.00	0.00	7,074.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,199.99	0.00	0.00	7,174.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,299.99	0.00	0.00	7,274.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,399.99	0.00	0.00	7,374.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,480.00	0.00	0.00	7,455.00	0.53	-549.39	549.39	0.00	0.00	0.00
Sanostee Sh									
7,499.99	0.00	0.00	7,474.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,599.98	0.00	0.00	7,574.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,699.98	0.00	0.00	7,674.99	0.53	-549.39	549.39	0.00	0.00	0.00

Database:	Grand Junction District	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Company:	B.P.	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Project:	San Juan County, NM NAD83	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site:	NEBU 604 Pad	**North Reference:**	Grid
Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Pilot		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,799.98	0.00	0.00	7,774.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,805.00	0.00	0.00	7,780.00	0.53	-549.39	549.39	0.00	0.00	0.00
Greenhorn Ls									
7,899.98	0.00	0.00	7,874.99	0.53	-549.39	549.39	0.00	0.00	0.00
7,999.98	0.00	0.00	7,974.99	0.53	-549.39	549.39	0.00	0.00	0.00
8,099.98	0.00	0.00	8,074.99	0.53	-549.39	549.39	0.00	0.00	0.00
8,175.00	0.00	0.00	8,150.00	0.53	-549.39	549.39	0.00	0.00	0.00
Burro Canyon Ss									
8,199.98	0.00	0.00	8,174.99	0.53	-549.39	549.39	0.00	0.00	0.00
8,299.98	0.00	0.00	8,274.99	0.53	-549.39	549.39	0.00	0.00	0.00
8,399.98	0.00	0.00	8,374.99	0.53	-549.39	549.39	0.00	0.00	0.00
8,475.00	0.00	0.00	8,450.00	0.53	-549.39	549.39	0.00	0.00	0.00
NEBU 604 2H Pilot PBHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NEBU 604 2H Pilot BTV - plan hits target center - Point	0.00	0.00	6,500.00	0.53	-549.39	2,147,645.09	2,811,452.57	36.9015900	-107.5311254
NEBU 604 2H Pilot PBH - plan hits target center - Point	0.00	0.00	8,450.00	0.53	-549.39	2,147,645.09	2,811,452.57	36.9015900	-107.5311254

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
25.00	25.00	San Jose Ss		0.00	0.00
2,393.16	2,385.00	Ojo Alamo Ss		0.00	0.00
2,513.67	2,505.00	Kirtland		0.00	0.00
3,010.79	3,000.00	Fruitland		0.00	0.00
3,206.62	3,195.00	Lemon Coal Zone		0.00	0.00
3,251.81	3,240.00	Ignacio Coal Zone		0.00	0.00
3,327.13	3,315.00	Cottonwood Coal Zone		0.00	0.00
3,347.22	3,335.00	Pictured Cliffs Ss		0.00	0.00
3,432.58	3,420.00	Cahn Coal Zone		0.00	0.00
5,436.11	5,415.00	Cliffhouse Ss		0.00	0.00
6,199.36	6,175.00	Mancos Shale		0.00	0.00
7,480.00	7,455.00	Sanostee Sh		0.00	0.00
7,805.00	7,780.00	Greenhorn Ls		0.00	0.00
8,175.00	8,150.00	Burro Canyon Ss		0.00	0.00

B.P.

San Juan County, NM NAD83
NEBU 604 Pad
NEBU 604 COM 2H

Pilot
Plan #1

Anticollision Report

07 September, 2016

Scientific Drilling

www.scientificdrilling.com

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 30,000.00 usft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 9/7/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	8,475.00	Plan #1 (Pilot)	Gyro	

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NEBU 604 Pad						
NEBU 208 - OH - OH	300.00	325.56	2,813.17	2,802.15	255.219	CC
NEBU 208 - OH - OH	2,600.00	2,616.52	2,893.90	2,791.32	28.211	ES
NEBU 208 - OH - OH	3,700.00	3,675.00	2,939.45	2,794.58	20.290	SF
NEBU 221 - OH - OH	100.00	84.17	429.01	427.33	254.813	CC, ES
NEBU 221 - OH - OH	200.00	100.00	437.19	435.19	218.573	SF
NEBU 221J - OH - OH	300.00	254.80	2,289.44	2,281.25	279.466	CC
NEBU 221J - OH - OH	3,700.00	3,634.00	2,330.10	2,186.76	16.256	ES, SF
NEBU 229J - OH - OH	300.00	302.37	4,585.43	4,575.34	454.228	CC
NEBU 229J - OH - OH	400.00	402.35	4,586.79	4,572.70	325.559	ES
NEBU 229J - OH - OH	3,700.00	3,680.00	4,824.02	4,679.22	33.315	SF
NEBU 230 - OH - OH	100.00	98.12	3,603.81	3,601.85	1,836.241	CC, ES
NEBU 230 - OH - OH	200.00	100.00	3,605.15	3,603.15	1,802.395	SF
NEBU 230J - OH - OH	122.08	79.30	3,718.61	3,717.02	2,344.290	CC, ES
NEBU 230J - OH - OH	200.00	100.00	3,719.05	3,717.05	1,859.337	SF
NEBU 239 - OH - OH	300.00	289.26	7,020.44	7,010.87	733.543	CC
NEBU 239 - OH - OH	400.00	389.24	7,022.00	7,008.44	517.724	ES
NEBU 239 - OH - OH	3,700.00	3,675.00	7,290.27	7,145.77	50.451	SF
NEBU 240 - OH - OH	0.00	54.55	6,034.14			
NEBU 240 - OH - OH	100.00	100.00	6,034.39	6,032.39	3,016.893	ES, SF
NEBU 241 - OH - OH	300.00	168.10	9,281.61	9,276.89	1,964.695	CC
NEBU 241 - OH - OH	400.00	268.08	9,283.32	9,274.60	1,064.807	ES
NEBU 241 - OH - OH	3,700.00	3,550.00	9,576.33	9,436.90	68.682	SF
NEBU 252 - OH - OH	127.49	81.52	7,764.81	7,763.18	4,761.908	CC
NEBU 252 - OH - OH	200.00	100.00	7,765.00	7,763.00	3,882.110	ES, SF
NEBU 252H - OH - OH	128.99	82.05	7,764.79	7,763.15	4,731.234	CC
NEBU 252H - OH - OH	200.00	100.00	7,764.97	7,762.97	3,882.098	ES, SF
NEBU 311 - OH - OH	300.00	285.26	477.75	468.34	50.767	CC
NEBU 311 - OH - OH	700.00	684.31	487.76	462.41	19.239	ES
NEBU 311 - OH - OH	8,200.00	8,160.26	855.36	530.95	2.637	SF
NEBU 311M - OH - OH	300.00	255.69	2,273.02	2,264.79	276.261	CC
NEBU 311M - OH - OH	8,200.00	8,080.00	2,356.76	2,035.56	7.337	ES, SF
NEBU 318M - OH - OH	300.00	302.97	4,575.86	4,565.74	452.205	CC
NEBU 318M - OH - OH	400.00	402.95	4,577.21	4,563.10	324.325	ES
NEBU 318M - OH - OH	8,200.00	8,130.00	5,012.96	4,689.76	15.510	SF
NEBU 319 - OH - OH	300.00	288.58	7,059.15	7,049.60	739.689	CC
NEBU 319 - OH - OH	400.00	388.56	7,060.71	7,047.18	521.627	ES
NEBU 319 - OH - OH	8,200.00	8,150.00	7,556.23	7,232.23	23.322	SF

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NEBU 604 Pad						
NEBU 321 - OH - OH	300.00	138.34	7,889.77	7,886.24	2,232.658	CC
NEBU 321 - OH - OH	400.00	238.32	7,891.42	7,883.89	1,048.155	ES
NEBU 321 - OH - OH	8,300.00	8,035.00	8,412.49	8,093.09	26.338	SF
NEBU 321M - OH - OH	300.00	196.71	7,925.12	7,919.25	1,350.428	CC
NEBU 321M - OH - OH	400.00	296.69	7,926.86	7,917.00	803.791	ES
NEBU 321M - OH - OH	8,300.00	8,100.00	8,472.08	8,150.08	26.311	SF
NEBU 321N - OH - OH	200.00	67.68	9,388.94	9,387.59	6,934.920	CC
NEBU 321N - OH - OH	300.00	100.00	9,389.19	9,387.19	4,694.124	ES, SF
NEBU 322M - OH - OH	300.00	362.65	6,487.09	6,474.58	518.710	CC
NEBU 322M - OH - OH	400.00	462.63	6,488.82	6,472.32	393.369	ES
NEBU 322M - OH - OH	8,300.00	8,260.00	7,032.19	6,703.79	21.413	SF
NEBU 33 - OH - OH	300.00	312.66	3,061.33	3,050.83	291.372	CC
NEBU 33 - OH - OH	4,700.00	4,694.68	3,210.02	3,024.38	17.291	ES
NEBU 33 - OH - OH	5,900.00	5,885.00	3,259.16	3,025.97	13.976	SF
NEBU 400 - OH - OH	300.00	309.63	6,343.20	6,332.82	610.781	CC
NEBU 400 - OH - OH	400.00	409.61	6,344.76	6,330.38	441.294	ES
NEBU 400 - OH - OH	3,800.00	3,715.00	6,621.71	6,475.62	45.324	SF
NEBU 438 - OH - OH	300.00	203.58	8,654.70	8,648.55	1,408.780	CC
NEBU 438 - OH - OH	400.00	303.56	8,656.44	8,646.30	853.990	ES
NEBU 438 - OH - OH	3,500.00	3,382.00	8,936.44	8,803.73	67.335	SF
NEBU 438A - OH - OH	248.18	83.86	7,834.63	7,832.95	4,670.843	CC
NEBU 438A - OH - OH	300.00	100.00	7,834.71	7,832.71	3,916.961	ES, SF
NEBU 458 - OH - OH	300.00	288.35	3,619.14	3,609.60	379.595	CC
NEBU 458 - OH - OH	400.00	388.33	3,620.84	3,607.32	267.705	ES
NEBU 458 - OH - OH	3,500.00	3,441.00	3,896.12	3,761.04	28.842	SF
NEBU 458A - OH - OH	300.00	255.83	3,900.48	3,892.25	473.739	CC
NEBU 458A - OH - OH	400.00	355.81	3,901.88	3,889.65	319.098	ES
NEBU 458A - OH - OH	3,600.00	3,470.00	4,137.93	4,001.52	30.335	SF
NEBU 460A - OH - OH	107.84	71.67	9,056.68	9,055.25	6,317.020	CC
NEBU 460A - OH - OH	200.00	100.00	9,056.91	9,054.91	4,528.000	ES, SF
NEBU 492A - OH - OH	300.00	300.76	4,552.03	4,542.00	453.814	CC
NEBU 492A - OH - OH	400.00	400.74	4,553.36	4,539.33	324.665	ES
NEBU 492A - OH - OH	3,500.00	3,453.00	4,771.75	4,635.98	35.148	SF
NEBU 496A - OH - OH	300.00	357.31	6,389.35	6,377.06	519.772	CC
NEBU 496A - OH - OH	400.00	457.29	6,391.08	6,374.80	392.523	ES
NEBU 496A - OH - OH	3,600.00	3,615.00	6,678.71	6,536.71	47.032	SF
NEBU 498 - OH - OH	300.00	233.39	1,861.94	1,854.60	253.815	CC
NEBU 498 - OH - OH	3,400.00	3,320.95	1,910.97	1,780.16	14.609	ES
NEBU 498 - OH - OH	3,500.00	3,385.00	1,913.61	1,780.24	14.349	SF
NEBU 498A - OH - OH	300.00	297.72	737.25	727.34	74.402	CC
NEBU 498A - OH - OH	2,400.00	2,389.53	797.01	703.51	8.523	ES
NEBU 498A - OH - OH	3,600.00	3,520.00	852.99	714.35	6.153	SF
NEBU 58 - OH - OH	300.00	301.31	3,788.98	3,778.93	376.916	CC
NEBU 58 - OH - OH	400.00	401.29	3,790.67	3,776.63	269.918	ES
NEBU 58 - OH - OH	8,200.00	8,127.00	4,322.56	3,999.48	13.379	SF
NEBU 58M - OH - OH	300.00	257.84	3,727.77	3,719.46	448.383	CC
NEBU 58M - OH - OH	400.00	357.82	3,729.16	3,716.85	302.981	ES
NEBU 58M - OH - OH	8,300.00	8,209.00	4,178.03	3,851.67	12.802	SF
NEBU 604 COM 1H - OH - Plan #2	300.00	300.00	20.00	19.47	37.459	CC, ES
NEBU 604 COM 1H - OH - Plan #2	500.00	499.84	23.31	22.32	23.531	SF
NEBU 604 COM 2H - Lateral - Plan #2						Out of range
NEBU 604 COM 2H - Lateral - Plan #2	6,314.90	6,314.90	0.00	0.00	10,000.000	CC, ES
NEBU 604 COM 3H - OH - Plan #2	496.87	496.72	18.82	17.84	19.276	CC

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NEBU 604 Pad						
NEBU 604 COM 3H - OH - Plan #2	500.00	499.84	18.82	17.83	19.140	ES
NEBU 604 COM 3H - OH - Plan #2	600.00	599.47	20.74	19.52	17.109	SF
NEBU 604 COM 4H - Lateral - Plan #1	1,547.39	1,546.75	32.31	28.87	9.403	CC, ES
NEBU 604 COM 4H - Lateral - Plan #1	1,700.00	1,698.95	34.22	30.27	8.672	SF
NEBU 604 COM 5H - OH - Plan #1	652.21	648.46	56.46	55.14	42.862	CC, ES
NEBU 604 COM 5H - OH - Plan #1	6,700.00	6,699.00	314.41	296.94	18.001	SF
NEBU 604 COM 6H - OH - Plan #1	725.57	721.51	75.29	73.80	50.820	CC, ES
NEBU 604 COM 6H - OH - Plan #1	1,000.00	990.93	83.92	81.89	41.473	SF
NEBU 604 COM 7H - OH - Plan #1	799.05	794.67	94.11	92.47	57.181	CC
NEBU 604 COM 7H - OH - Plan #1	800.00	795.62	94.11	92.46	57.107	ES
NEBU 604 COM 7H - OH - Plan #1	1,200.00	1,188.49	106.13	103.67	43.107	SF
NEBU 604 COM 8H - OH - Plan #1	817.08	812.16	113.07	111.39	67.230	CC, ES
NEBU 604 COM 8H - OH - Plan #1	1,100.00	1,082.95	128.37	126.18	58.584	SF

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	25.56	0.00	0.00	0.51	22.04	2,607.63	1,055.56	2,813.17				
100.00	100.00	125.56	100.00	0.00	3.02	22.04	2,607.63	1,055.56	2,813.17	2,810.15	3.02	930.713	
200.00	200.00	225.56	200.00	0.00	7.02	22.04	2,607.63	1,055.56	2,813.17	2,806.15	7.02	400.588	
300.00	300.00	325.56	300.00	0.00	11.02	22.04	2,607.63	1,055.56	2,813.17	2,802.15	11.02	255.219	CC
400.00	399.98	425.54	399.98	0.00	15.02	112.00	2,607.63	1,055.56	2,813.83	2,798.81	15.02	187.332	
500.00	499.84	525.40	499.84	0.00	19.02	112.07	2,607.63	1,055.56	2,815.79	2,796.78	19.01	148.125	
600.00	599.47	625.03	599.47	0.00	23.00	112.19	2,607.63	1,055.56	2,819.00	2,796.01	22.99	122.631	
700.00	699.05	724.61	699.05	0.00	26.98	112.36	2,607.63	1,055.56	2,822.51	2,795.54	26.97	104.662	
800.00	798.62	824.18	798.62	0.00	30.97	112.53	2,607.63	1,055.56	2,826.04	2,795.09	30.95	91.315	
900.00	898.20	923.76	898.20	0.00	34.95	112.71	2,607.63	1,055.56	2,829.60	2,794.67	34.93	81.012	
1,000.00	997.77	1,023.33	997.77	0.00	38.93	112.88	2,607.63	1,055.56	2,833.18	2,794.27	38.91	72.817	
1,100.00	1,097.35	1,122.91	1,097.35	0.00	42.92	113.05	2,607.63	1,055.56	2,836.79	2,793.90	42.89	66.143	
1,200.00	1,196.92	1,222.48	1,196.92	0.00	46.90	113.22	2,607.63	1,055.56	2,840.42	2,793.56	46.87	60.604	
1,300.00	1,296.49	1,322.05	1,296.49	0.00	50.88	113.39	2,607.63	1,055.56	2,844.08	2,793.23	50.85	55.933	
1,400.00	1,396.07	1,421.63	1,396.07	0.00	54.87	113.56	2,607.63	1,055.56	2,847.77	2,792.94	54.83	51.940	
1,500.00	1,495.64	1,521.20	1,495.64	0.00	58.85	113.73	2,607.63	1,055.56	2,851.48	2,792.67	58.81	48.488	
1,600.00	1,595.22	1,620.78	1,595.22	0.00	62.83	113.90	2,607.63	1,055.56	2,855.21	2,792.42	62.79	45.474	
1,700.00	1,694.79	1,720.35	1,694.79	0.00	66.81	114.06	2,607.63	1,055.56	2,858.97	2,792.20	66.77	42.820	
1,800.00	1,794.37	1,819.93	1,794.37	0.00	70.80	114.23	2,607.63	1,055.56	2,862.75	2,792.01	70.75	40.465	
1,900.00	1,893.94	1,919.50	1,893.94	0.00	74.78	114.40	2,607.63	1,055.56	2,866.56	2,791.84	74.73	38.361	
2,000.00	1,993.51	2,019.07	1,993.51	0.00	78.76	114.57	2,607.63	1,055.56	2,870.40	2,791.69	78.71	36.470	
2,100.00	2,093.09	2,118.65	2,093.09	0.00	82.75	114.73	2,607.63	1,055.56	2,874.25	2,791.57	82.68	34.762	
2,200.00	2,192.66	2,218.22	2,192.66	0.00	86.73	114.90	2,607.63	1,055.56	2,878.14	2,791.47	86.66	33.210	
2,300.00	2,292.24	2,317.80	2,292.24	0.00	90.71	115.06	2,607.63	1,055.56	2,882.04	2,791.40	90.64	31.796	
2,400.00	2,391.81	2,417.37	2,391.81	0.00	94.69	115.23	2,607.63	1,055.56	2,885.97	2,791.35	94.62	30.500	
2,500.00	2,491.39	2,516.95	2,491.39	0.00	98.68	115.39	2,607.63	1,055.56	2,889.93	2,791.32	98.60	29.309	
2,600.00	2,590.96	2,616.52	2,590.96	0.00	102.66	115.56	2,607.63	1,055.56	2,893.90	2,791.32	102.58	28.211	ES
2,700.00	2,690.53	2,716.09	2,690.53	0.00	106.64	115.72	2,607.63	1,055.56	2,897.91	2,791.35	106.56	27.195	
2,800.00	2,790.11	2,815.67	2,790.11	0.00	110.63	115.89	2,607.63	1,055.56	2,901.93	2,791.39	110.54	26.253	
2,900.00	2,889.68	2,915.24	2,889.68	0.00	114.61	116.05	2,607.63	1,055.56	2,905.98	2,791.47	114.52	25.376	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,000.00	2,989.26	3,014.82	2,989.26	0.00	118.59	116.21	2,607.63	1,055.56	2,910.05	2,791.56	118.49	24.559	
3,100.00	3,088.83	3,114.39	3,088.83	0.00	122.58	116.37	2,607.63	1,055.56	2,914.15	2,791.68	122.47	23.794	
3,200.00	3,188.41	3,213.97	3,188.41	0.00	126.56	116.53	2,607.63	1,055.56	2,918.27	2,791.82	126.45	23.078	
3,300.00	3,287.98	3,313.54	3,287.98	0.00	130.54	116.70	2,607.63	1,055.56	2,922.41	2,791.98	130.43	22.406	
3,400.00	3,387.56	3,413.12	3,387.56	0.00	134.52	116.86	2,607.63	1,055.56	2,926.58	2,792.17	134.41	21.774	
3,500.00	3,487.13	3,512.69	3,487.13	0.00	138.51	117.02	2,607.63	1,055.56	2,930.77	2,792.38	138.39	21.178	
3,600.00	3,586.70	3,612.26	3,586.70	0.00	142.49	117.18	2,607.63	1,055.56	2,934.98	2,792.62	142.36	20.616	
3,700.00	3,686.28	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,939.45	2,794.58	144.87	20.290	SF
3,800.00	3,785.85	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,946.63	2,801.76	144.87	20.340	
3,900.00	3,885.43	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,957.19	2,812.32	144.87	20.413	
4,000.00	3,985.00	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,971.07	2,826.20	144.87	20.508	
4,100.00	4,084.58	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	2,988.24	2,843.37	144.87	20.627	
4,200.00	4,184.15	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,008.63	2,863.76	144.87	20.768	
4,300.00	4,283.72	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,032.19	2,887.32	144.87	20.930	
4,400.00	4,383.30	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,058.83	2,913.96	144.87	21.114	
4,500.00	4,482.87	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,088.49	2,943.62	144.87	21.319	
4,600.00	4,582.45	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,121.07	2,976.20	144.87	21.544	
4,700.00	4,682.02	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,156.48	3,011.61	144.87	21.788	
4,800.00	4,781.60	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,194.63	3,049.76	144.87	22.052	
4,900.00	4,881.17	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,235.42	3,090.55	144.87	22.333	
5,000.00	4,980.74	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,278.76	3,133.89	144.87	22.632	
5,100.00	5,080.32	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,324.54	3,179.67	144.87	22.948	
5,200.00	5,179.89	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,372.66	3,227.79	144.87	23.280	
5,300.00	5,279.47	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,423.03	3,278.16	144.87	23.628	
5,400.00	5,379.04	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,475.55	3,330.68	144.87	23.991	
5,500.00	5,478.62	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,530.12	3,385.25	144.87	24.367	
5,600.00	5,578.19	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,586.65	3,441.78	144.87	24.758	
5,700.00	5,677.77	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,645.04	3,500.17	144.87	25.161	
5,800.00	5,777.34	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,705.22	3,560.35	144.87	25.576	
5,900.00	5,876.91	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,767.09	3,622.22	144.87	26.003	
6,000.00	5,976.49	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,830.57	3,685.70	144.87	26.441	
6,100.00	6,076.06	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,895.58	3,750.71	144.87	26.890	
6,200.00	6,175.64	3,675.00	3,649.44	0.00	145.00	117.28	2,607.63	1,055.56	3,962.05	3,817.18	144.87	27.349	
6,300.00	6,275.24	3,675.00	3,649.44	0.00	145.00	117.93	2,607.63	1,055.56	4,029.82	3,884.91	144.90	27.811	
6,400.00	6,375.04	3,675.00	3,649.44	0.00	145.00	119.56	2,607.63	1,055.56	4,097.93	3,952.96	144.97	28.268	
6,500.00	6,475.00	3,675.00	3,649.44	0.00	145.00	121.16	2,607.63	1,055.56	4,166.09	4,021.09	145.00	28.732	
6,600.00	6,575.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,234.59	4,089.59	145.00	29.204	
6,700.00	6,675.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,304.29	4,159.29	145.00	29.685	
6,800.00	6,775.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,375.16	4,230.16	145.00	30.173	
6,900.00	6,875.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,447.14	4,302.14	145.00	30.670	
7,000.00	6,975.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,520.20	4,375.20	145.00	31.174	
7,100.00	7,075.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,594.27	4,449.27	145.00	31.685	
7,200.00	7,175.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,669.31	4,524.31	145.00	32.202	
7,300.00	7,275.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,745.27	4,600.27	145.00	32.726	
7,400.00	7,375.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,822.10	4,677.10	145.00	33.256	
7,500.00	7,475.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,899.77	4,754.77	145.00	33.791	
7,600.00	7,575.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	4,978.24	4,833.24	145.00	34.333	
7,700.00	7,675.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,057.47	4,912.47	145.00	34.879	
7,800.00	7,775.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,137.42	4,992.42	145.00	35.430	
7,900.00	7,875.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,218.07	5,073.07	145.00	35.987	
8,000.00	7,975.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,299.37	5,154.37	145.00	36.547	
8,100.00	8,075.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,381.31	5,236.31	145.00	37.112	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 208 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,200.00	8,175.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,463.84	5,318.84	145.00	37.682	
8,300.00	8,275.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,546.95	5,401.95	145.00	38.255	
8,400.00	8,375.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,630.61	5,485.61	145.00	38.832	
8,475.00	8,450.00	3,675.00	3,649.44	0.00	145.00	31.62	2,607.63	1,055.56	5,693.70	5,548.70	145.00	39.267	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	15.83	0.00	0.00	16.84	410.61	124.30	429.30				
100.00	100.00	84.17	100.00	0.00	1.68	16.84	410.61	124.30	429.01	427.33	1.68	254.813	CC, ES
200.00	200.00	100.00	115.83	0.00	2.00	16.84	410.61	124.30	437.19	435.19	2.00	218.573	SF
300.00	300.00	100.00	115.83	0.00	2.00	16.84	410.61	124.30	466.87	464.87	2.00	233.413	
400.00	399.98	100.00	115.83	0.00	2.00	105.73	410.61	124.30	515.00	513.00	2.00	257.487	
500.00	499.84	100.00	115.83	0.00	2.00	104.18	410.61	124.30	577.31	575.31	2.00	288.670	
600.00	599.47	100.00	115.83	0.00	2.00	102.92	410.61	124.30	649.64	647.64	2.00	324.858	
700.00	699.05	100.00	115.83	0.00	2.00	102.92	410.61	124.30	728.64	726.64	2.00	364.363	
800.00	798.62	100.00	115.83	0.00	2.00	102.92	410.61	124.30	812.29	810.29	2.00	406.188	
900.00	898.20	100.00	115.83	0.00	2.00	102.92	410.61	124.30	899.27	897.27	2.00	449.688	
1,000.00	997.77	100.00	115.83	0.00	2.00	102.92	410.61	124.30	988.73	986.73	2.00	494.419	
1,100.00	1,097.35	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,080.03	1,078.03	2.00	540.076	
1,200.00	1,196.92	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,172.75	1,170.75	2.00	586.443	
1,300.00	1,296.49	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,266.59	1,264.59	2.00	633.364	
1,400.00	1,396.07	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,361.30	1,359.30	2.00	680.724	
1,500.00	1,495.64	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,456.71	1,454.71	2.00	728.438	
1,600.00	1,595.22	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,552.71	1,550.71	2.00	776.440	
1,700.00	1,694.79	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,649.18	1,647.18	2.00	824.681	
1,800.00	1,794.37	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,746.04	1,744.04	2.00	873.120	
1,900.00	1,893.94	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,843.25	1,841.25	2.00	921.726	
2,000.00	1,993.51	100.00	115.83	0.00	2.00	102.92	410.61	124.30	1,940.73	1,938.73	2.00	970.475	
2,100.00	2,093.09	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,038.46	2,036.46	2.00	1,019.346	
2,200.00	2,192.66	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,136.40	2,134.40	2.00	1,068.321	
2,300.00	2,292.24	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,234.52	2,232.52	2.00	1,117.388	
2,400.00	2,391.81	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,332.81	2,330.81	2.00	1,166.534	
2,500.00	2,491.39	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,431.23	2,429.23	2.00	1,215.751	
2,600.00	2,590.96	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,529.77	2,527.77	2.00	1,265.029	
2,700.00	2,690.53	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,628.43	2,626.43	2.00	1,314.363	
2,800.00	2,790.11	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,727.18	2,725.18	2.00	1,363.745	
2,900.00	2,889.68	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,826.03	2,824.03	2.00	1,413.171	
3,000.00	2,989.26	100.00	115.83	0.00	2.00	102.92	410.61	124.30	2,924.95	2,922.95	2.00	1,462.637	
3,100.00	3,088.83	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,023.94	3,021.94	2.00	1,512.138	
3,200.00	3,188.41	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,122.99	3,120.99	2.00	1,561.671	
3,300.00	3,287.98	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,222.11	3,220.11	2.00	1,611.233	
3,400.00	3,387.56	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,321.27	3,319.27	2.00	1,660.822	
3,500.00	3,487.13	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,420.49	3,418.49	2.00	1,710.436	
3,600.00	3,586.70	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,519.75	3,517.75	2.00	1,760.071	
3,700.00	3,686.28	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,619.05	3,617.05	2.00	1,809.727	
3,800.00	3,785.85	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,718.39	3,716.39	2.00	1,859.402	
3,900.00	3,885.43	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,817.76	3,815.76	2.00	1,909.093	
4,000.00	3,985.00	100.00	115.83	0.00	2.00	102.92	410.61	124.30	3,917.16	3,915.16	2.00	1,958.801	
4,100.00	4,084.58	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,016.60	4,014.60	2.00	2,008.524	
4,200.00	4,184.15	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,116.06	4,114.06	2.00	2,058.260	
4,300.00	4,283.72	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,215.55	4,213.55	2.00	2,108.009	
4,400.00	4,383.30	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,315.06	4,313.06	2.00	2,157.770	
4,500.00	4,482.87	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,414.59	4,412.59	2.00	2,207.542	
4,600.00	4,582.45	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,514.14	4,512.14	2.00	2,257.325	
4,700.00	4,682.02	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,613.72	4,611.72	2.00	2,307.117	
4,800.00	4,781.60	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,713.31	4,711.31	2.00	2,356.918	
4,900.00	4,881.17	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,812.91	4,810.91	2.00	2,406.727	
5,000.00	4,980.74	100.00	115.83	0.00	2.00	102.92	410.61	124.30	4,912.54	4,910.54	2.00	2,456.545	
5,100.00	5,080.32	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,012.18	5,010.18	2.00	2,506.370	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,111.83	5,109.83	2.00	2,556.202	
5,300.00	5,279.47	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,211.50	5,209.50	2.00	2,606.040	
5,400.00	5,379.04	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,311.17	5,309.17	2.00	2,655.885	
5,500.00	5,478.62	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,410.86	5,408.87	2.00	2,705.736	
5,600.00	5,578.19	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,510.57	5,508.57	2.00	2,755.593	
5,700.00	5,677.77	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,610.28	5,608.28	2.00	2,805.454	
5,800.00	5,777.34	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,710.00	5,708.00	2.00	2,855.321	
5,900.00	5,876.91	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,809.73	5,807.73	2.00	2,905.193	
6,000.00	5,976.49	100.00	115.83	0.00	2.00	102.92	410.61	124.30	5,909.47	5,907.47	2.00	2,955.069	
6,100.00	6,076.06	100.00	115.83	0.00	2.00	102.92	410.61	124.30	6,009.22	6,007.22	2.00	3,004.949	
6,200.00	6,175.64	100.00	115.83	0.00	2.00	102.92	410.61	124.30	6,108.98	6,106.98	2.00	3,054.834	
6,300.00	6,275.24	100.00	115.83	0.00	2.00	113.57	410.61	124.30	6,208.74	6,206.74	2.00	3,105.589	
6,400.00	6,375.04	100.00	115.83	0.00	2.00	134.02	410.61	124.30	6,308.42	6,306.42	2.00	3,155.342	
6,500.00	6,475.00	100.00	115.83	0.00	2.00	146.38	410.61	124.30	6,407.88	6,405.88	2.00	3,203.706	
6,600.00	6,575.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	6,507.15	6,505.15	2.00	3,253.247	
6,700.00	6,675.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	6,606.42	6,604.42	2.00	3,302.879	
6,800.00	6,775.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	6,705.72	6,703.72	2.00	3,352.522	
6,900.00	6,875.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	6,805.03	6,803.03	2.00	3,402.175	
7,000.00	6,975.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	6,904.37	6,902.37	2.00	3,451.838	
7,100.00	7,075.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,003.72	7,001.72	2.00	3,501.511	
7,200.00	7,175.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,103.10	7,101.09	2.00	3,551.192	
7,300.00	7,275.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,202.49	7,200.49	2.00	3,600.882	
7,400.00	7,375.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,301.89	7,299.89	2.00	3,650.581	
7,500.00	7,475.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,401.32	7,399.31	2.00	3,700.287	
7,600.00	7,575.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,500.75	7,498.75	2.00	3,750.001	
7,700.00	7,675.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,600.21	7,598.21	2.00	3,799.723	
7,800.00	7,775.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,699.67	7,697.67	2.00	3,849.451	
7,900.00	7,875.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,799.15	7,797.15	2.00	3,899.187	
8,000.00	7,975.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,898.65	7,896.65	2.00	3,948.929	
8,100.00	8,075.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	7,998.15	7,996.15	2.00	3,998.677	
8,200.00	8,175.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	8,097.67	8,095.67	2.00	4,048.431	
8,300.00	8,275.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	8,197.20	8,195.20	2.00	4,098.191	
8,400.00	8,375.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	8,296.75	8,294.74	2.00	4,147.957	
8,475.00	8,450.00	100.00	115.83	0.00	2.00	58.67	410.61	124.30	8,371.40	8,369.40	2.00	4,185.283	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	45.20	0.00	0.00	176.02	-2,283.92	158.91	2,289.89				
100.00	100.00	54.80	100.00	0.00	1.10	176.02	-2,283.92	158.91	2,289.44	2,288.35	1.10	2,088.353	
200.00	200.00	154.80	200.00	0.00	4.19	176.02	-2,283.92	158.91	2,289.44	2,285.25	4.19	546.119	
300.00	300.00	254.80	300.00	0.00	8.19	176.02	-2,283.92	158.91	2,289.44	2,281.25	8.19	279.466	CC
400.00	399.98	354.78	399.98	0.00	12.19	-94.08	-2,283.92	158.91	2,289.57	2,277.37	12.19	187.802	
500.00	499.84	454.64	499.84	0.00	16.19	-94.20	-2,283.92	158.91	2,289.94	2,273.76	16.19	141.481	
600.00	599.47	554.27	599.47	0.00	20.17	-94.40	-2,283.92	158.91	2,290.58	2,270.41	20.17	113.560	
700.00	699.05	653.85	699.05	0.00	24.15	-94.63	-2,283.92	158.91	2,291.31	2,267.16	24.15	94.865	
800.00	798.62	753.42	798.62	0.00	28.14	-94.86	-2,283.92	158.91	2,292.08	2,263.94	28.14	81.464	
900.00	898.20	853.00	898.20	0.00	32.12	-95.09	-2,283.92	158.91	2,292.88	2,260.76	32.12	71.387	
1,000.00	997.77	952.57	997.77	0.00	36.10	-95.32	-2,283.92	158.91	2,293.72	2,257.62	36.10	63.535	
1,100.00	1,097.35	1,052.15	1,097.35	0.00	40.09	-95.55	-2,283.92	158.91	2,294.60	2,254.51	40.08	57.244	
1,200.00	1,196.92	1,151.72	1,196.92	0.00	44.07	-95.77	-2,283.92	158.91	2,295.51	2,251.44	44.07	52.091	
1,300.00	1,296.49	1,251.29	1,296.49	0.00	48.05	-96.00	-2,283.92	158.91	2,296.46	2,248.41	48.05	47.793	
1,400.00	1,396.07	1,350.87	1,396.07	0.00	52.03	-96.23	-2,283.92	158.91	2,297.44	2,245.41	52.03	44.154	
1,500.00	1,495.64	1,450.44	1,495.64	0.00	56.02	-96.46	-2,283.92	158.91	2,298.47	2,242.45	56.01	41.033	
1,600.00	1,595.22	1,550.02	1,595.22	0.00	60.00	-96.68	-2,283.92	158.91	2,299.52	2,239.53	60.00	38.327	
1,700.00	1,694.79	1,649.59	1,694.79	0.00	63.98	-96.91	-2,283.92	158.91	2,300.62	2,236.64	63.98	35.958	
1,800.00	1,794.37	1,749.17	1,794.37	0.00	67.97	-97.14	-2,283.92	158.91	2,301.75	2,233.79	67.96	33.868	
1,900.00	1,893.94	1,848.74	1,893.94	0.00	71.95	-97.36	-2,283.92	158.91	2,302.92	2,230.98	71.94	32.010	
2,000.00	1,993.51	1,948.31	1,993.51	0.00	75.93	-97.59	-2,283.92	158.91	2,304.12	2,228.20	75.93	30.347	
2,100.00	2,093.09	2,047.89	2,093.09	0.00	79.92	-97.82	-2,283.92	158.91	2,305.37	2,225.46	79.91	28.850	
2,200.00	2,192.66	2,147.46	2,192.66	0.00	83.90	-98.04	-2,283.92	158.91	2,306.64	2,222.75	83.89	27.495	
2,300.00	2,292.24	2,247.04	2,292.24	0.00	87.88	-98.27	-2,283.92	158.91	2,307.95	2,220.08	87.87	26.264	
2,400.00	2,391.81	2,346.61	2,391.81	0.00	91.86	-98.49	-2,283.92	158.91	2,309.30	2,217.45	91.86	25.140	
2,500.00	2,491.39	2,446.19	2,491.39	0.00	95.85	-98.72	-2,283.92	158.91	2,310.69	2,214.85	95.84	24.110	
2,600.00	2,590.96	2,545.76	2,590.96	0.00	99.83	-98.94	-2,283.92	158.91	2,312.11	2,212.29	99.82	23.163	
2,700.00	2,690.53	2,645.33	2,690.53	0.00	103.81	-99.17	-2,283.92	158.91	2,313.57	2,209.76	103.80	22.288	
2,800.00	2,790.11	2,744.91	2,790.11	0.00	107.80	-99.39	-2,283.92	158.91	2,315.06	2,207.27	107.78	21.479	
2,900.00	2,889.68	2,844.48	2,889.68	0.00	111.78	-99.62	-2,283.92	158.91	2,316.59	2,204.82	111.77	20.727	
3,000.00	2,989.26	2,944.06	2,989.26	0.00	115.76	-99.84	-2,283.92	158.91	2,318.15	2,202.40	115.75	20.028	
3,100.00	3,088.83	3,043.63	3,088.83	0.00	119.75	-100.06	-2,283.92	158.91	2,319.75	2,200.02	119.73	19.375	
3,200.00	3,188.41	3,143.21	3,188.41	0.00	123.73	-100.29	-2,283.92	158.91	2,321.38	2,197.67	123.71	18.764	
3,300.00	3,287.98	3,242.78	3,287.98	0.00	127.71	-100.51	-2,283.92	158.91	2,323.06	2,195.36	127.69	18.192	
3,400.00	3,387.56	3,342.36	3,387.56	0.00	131.69	-100.73	-2,283.92	158.91	2,324.76	2,193.09	131.68	17.655	
3,500.00	3,487.13	3,441.93	3,487.13	0.00	135.68	-100.95	-2,283.92	158.91	2,326.50	2,190.84	135.66	17.150	
3,600.00	3,586.70	3,541.50	3,586.70	0.00	139.66	-101.17	-2,283.92	158.91	2,328.28	2,188.64	139.64	16.674	
3,700.00	3,686.28	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,330.10	2,186.76	143.34	16.256	ES, SF
3,800.00	3,785.85	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,334.37	2,191.04	143.34	16.286	
3,900.00	3,885.43	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,342.91	2,199.57	143.34	16.346	
4,000.00	3,985.00	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,355.67	2,212.33	143.34	16.435	
4,100.00	4,084.58	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,372.57	2,229.23	143.34	16.552	
4,200.00	4,184.15	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,393.54	2,250.20	143.34	16.699	
4,300.00	4,283.72	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,418.46	2,275.12	143.34	16.873	
4,400.00	4,383.30	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,447.22	2,303.88	143.34	17.073	
4,500.00	4,482.87	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,479.68	2,336.34	143.34	17.300	
4,600.00	4,582.45	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,515.70	2,372.36	143.34	17.551	
4,700.00	4,682.02	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,555.13	2,411.79	143.34	17.826	
4,800.00	4,781.60	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,597.81	2,454.47	143.34	18.124	
4,900.00	4,881.17	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,643.59	2,500.25	143.34	18.443	
5,000.00	4,980.74	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,692.30	2,548.96	143.34	18.783	
5,100.00	5,080.32	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,743.79	2,600.46	143.34	19.142	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 221J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,797.92	2,654.58	143.34	19.520	
5,300.00	5,279.47	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,854.52	2,711.18	143.34	19.915	
5,400.00	5,379.04	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,913.45	2,770.12	143.34	20.326	
5,500.00	5,478.62	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	2,974.58	2,831.24	143.34	20.752	
5,600.00	5,578.19	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,037.77	2,894.44	143.34	21.193	
5,700.00	5,677.77	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,102.90	2,959.56	143.34	21.648	
5,800.00	5,777.34	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,169.85	3,026.51	143.34	22.115	
5,900.00	5,876.91	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,238.50	3,095.16	143.34	22.594	
6,000.00	5,976.49	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,308.74	3,165.41	143.34	23.084	
6,100.00	6,076.06	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,380.49	3,237.15	143.34	23.584	
6,200.00	6,175.64	3,634.00	3,679.20	0.00	143.36	-101.38	-2,283.92	158.91	3,453.64	3,310.31	143.34	24.095	
6,300.00	6,275.24	3,634.00	3,679.20	0.00	143.36	-102.25	-2,283.92	158.91	3,528.08	3,384.74	143.34	24.613	
6,400.00	6,375.04	3,634.00	3,679.20	0.00	143.36	-104.47	-2,283.92	158.91	3,603.35	3,459.99	143.35	25.136	
6,500.00	6,475.00	3,634.00	3,679.20	0.00	143.36	-106.72	-2,283.92	158.91	3,679.23	3,535.87	143.36	25.664	
6,600.00	6,575.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	3,755.81	3,612.45	143.36	26.198	
6,700.00	6,675.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	3,833.44	3,690.08	143.36	26.740	
6,800.00	6,775.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	3,912.08	3,768.72	143.36	27.288	
6,900.00	6,875.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	3,991.69	3,848.33	143.36	27.844	
7,000.00	6,975.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,072.19	3,928.83	143.36	28.405	
7,100.00	7,075.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,153.54	4,010.18	143.36	28.973	
7,200.00	7,175.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,235.69	4,092.33	143.36	29.546	
7,300.00	7,275.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,318.59	4,175.23	143.36	30.124	
7,400.00	7,375.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,402.20	4,258.84	143.36	30.707	
7,500.00	7,475.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,486.48	4,343.12	143.36	31.295	
7,600.00	7,575.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,571.40	4,428.04	143.36	31.888	
7,700.00	7,675.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,656.91	4,513.55	143.36	32.484	
7,800.00	7,775.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,743.00	4,599.64	143.36	33.084	
7,900.00	7,875.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,829.61	4,686.25	143.36	33.689	
8,000.00	7,975.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	4,916.74	4,773.38	143.36	34.296	
8,100.00	8,075.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	5,004.35	4,860.99	143.36	34.908	
8,200.00	8,175.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	5,092.41	4,949.05	143.36	35.522	
8,300.00	8,275.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	5,180.91	5,037.55	143.36	36.139	
8,400.00	8,375.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	5,269.82	5,126.46	143.36	36.759	
8,475.00	8,450.00	3,634.00	3,679.20	0.00	143.36	162.77	-2,283.92	158.91	5,336.75	5,193.39	143.36	37.226	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.37	0.00	0.00	0.05	51.31	2,866.62	3,578.92	4,585.43				
100.00	100.00	102.37	100.00	0.00	2.09	51.31	2,866.62	3,578.92	4,585.43	4,583.34	2.10	2,188.750	
200.00	200.00	202.37	200.00	0.00	6.09	51.31	2,866.62	3,578.92	4,585.43	4,579.34	6.10	752.327	
300.00	300.00	302.37	300.00	0.00	10.09	51.31	2,866.62	3,578.92	4,585.43	4,575.34	10.09	454.228	CC
400.00	399.98	402.35	399.98	0.00	14.09	141.25	2,866.62	3,578.92	4,586.79	4,572.70	14.09	325.559	ES
500.00	499.84	502.21	499.84	0.00	18.09	141.24	2,866.62	3,578.92	4,590.88	4,572.81	18.06	254.177	
600.00	599.47	601.84	599.47	0.00	22.07	141.25	2,866.62	3,578.92	4,597.51	4,575.49	22.02	208.818	
700.00	699.05	701.42	699.05	0.00	26.06	141.32	2,866.62	3,578.92	4,604.71	4,578.72	25.99	177.177	
800.00	798.62	800.99	798.62	0.00	30.04	141.40	2,866.62	3,578.92	4,611.92	4,581.96	29.96	153.926	
900.00	898.20	900.57	898.20	0.00	34.02	141.47	2,866.62	3,578.92	4,619.14	4,585.21	33.93	136.120	
1,000.00	997.77	1,000.14	997.77	0.00	38.01	141.54	2,866.62	3,578.92	4,626.37	4,588.46	37.91	122.046	
1,100.00	1,097.35	1,099.72	1,097.35	0.00	41.99	141.61	2,866.62	3,578.92	4,633.60	4,591.72	41.88	110.642	
1,200.00	1,196.92	1,199.29	1,196.92	0.00	45.97	141.68	2,866.62	3,578.92	4,640.84	4,594.99	45.85	101.215	
1,300.00	1,296.49	1,298.86	1,296.49	0.00	49.95	141.75	2,866.62	3,578.92	4,648.09	4,598.26	49.82	93.291	
1,400.00	1,396.07	1,398.44	1,396.07	0.00	53.94	141.82	2,866.62	3,578.92	4,655.34	4,601.54	53.80	86.537	
1,500.00	1,495.64	1,498.01	1,495.64	0.00	57.92	141.89	2,866.62	3,578.92	4,662.60	4,604.83	57.77	80.712	
1,600.00	1,595.22	1,597.59	1,595.22	0.00	61.90	141.96	2,866.62	3,578.92	4,669.87	4,608.13	61.74	75.637	
1,700.00	1,694.79	1,697.16	1,694.79	0.00	65.89	142.03	2,866.62	3,578.92	4,677.14	4,611.43	65.71	71.176	
1,800.00	1,794.37	1,796.74	1,794.37	0.00	69.87	142.10	2,866.62	3,578.92	4,684.42	4,614.74	69.68	67.223	
1,900.00	1,893.94	1,896.31	1,893.94	0.00	73.85	142.17	2,866.62	3,578.92	4,691.71	4,618.05	73.66	63.697	
2,000.00	1,993.51	1,995.88	1,993.51	0.00	77.84	142.24	2,866.62	3,578.92	4,699.00	4,621.37	77.63	60.532	
2,100.00	2,093.09	2,095.46	2,093.09	0.00	81.82	142.30	2,866.62	3,578.92	4,706.30	4,624.70	81.60	57.675	
2,200.00	2,192.66	2,195.03	2,192.66	0.00	85.80	142.37	2,866.62	3,578.92	4,713.61	4,628.04	85.57	55.083	
2,300.00	2,292.24	2,294.61	2,292.24	0.00	89.78	142.44	2,866.62	3,578.92	4,720.93	4,631.38	89.54	52.722	
2,400.00	2,391.81	2,394.18	2,391.81	0.00	93.77	142.51	2,866.62	3,578.92	4,728.25	4,634.73	93.52	50.561	
2,500.00	2,491.39	2,493.76	2,491.39	0.00	97.75	142.58	2,866.62	3,578.92	4,735.58	4,638.09	97.49	48.576	
2,600.00	2,590.96	2,593.33	2,590.96	0.00	101.73	142.64	2,866.62	3,578.92	4,742.91	4,641.45	101.46	46.747	
2,700.00	2,690.53	2,692.90	2,690.53	0.00	105.72	142.71	2,866.62	3,578.92	4,750.25	4,644.82	105.43	45.055	
2,800.00	2,790.11	2,792.48	2,790.11	0.00	109.70	142.78	2,866.62	3,578.92	4,757.60	4,648.20	109.40	43.487	
2,900.00	2,889.68	2,892.05	2,889.68	0.00	113.68	142.85	2,866.62	3,578.92	4,764.95	4,651.58	113.38	42.028	
3,000.00	2,989.26	2,991.63	2,989.26	0.00	117.67	142.91	2,866.62	3,578.92	4,772.31	4,654.97	117.35	40.668	
3,100.00	3,088.83	3,091.20	3,088.83	0.00	121.65	142.98	2,866.62	3,578.92	4,779.68	4,658.36	121.32	39.398	
3,200.00	3,188.41	3,190.78	3,188.41	0.00	125.63	143.05	2,866.62	3,578.92	4,787.05	4,661.76	125.29	38.208	
3,300.00	3,287.98	3,290.35	3,287.98	0.00	129.61	143.11	2,866.62	3,578.92	4,794.43	4,665.17	129.26	37.091	
3,400.00	3,387.56	3,389.93	3,387.56	0.00	133.60	143.18	2,866.62	3,578.92	4,801.82	4,668.59	133.23	36.041	
3,500.00	3,487.13	3,489.50	3,487.13	0.00	137.58	143.24	2,866.62	3,578.92	4,809.21	4,672.01	137.20	35.051	
3,600.00	3,586.70	3,589.07	3,586.70	0.00	141.56	143.31	2,866.62	3,578.92	4,816.61	4,675.43	141.18	34.118	
3,700.00	3,686.28	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,824.02	4,679.22	144.80	33.315	SF
3,800.00	3,785.85	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,832.64	4,687.84	144.80	33.374	
3,900.00	3,885.43	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,843.30	4,698.50	144.80	33.448	
4,000.00	3,985.00	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,856.01	4,711.20	144.80	33.535	
4,100.00	4,084.58	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,870.73	4,725.92	144.80	33.637	
4,200.00	4,184.15	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,887.45	4,742.65	144.80	33.753	
4,300.00	4,283.72	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,906.16	4,761.35	144.80	33.882	
4,400.00	4,383.30	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,926.82	4,782.02	144.80	34.024	
4,500.00	4,482.87	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,949.42	4,804.62	144.80	34.180	
4,600.00	4,582.45	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	4,973.93	4,829.13	144.80	34.350	
4,700.00	4,682.02	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,000.32	4,855.51	144.80	34.532	
4,800.00	4,781.60	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,028.55	4,883.75	144.80	34.727	
4,900.00	4,881.17	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,058.61	4,913.81	144.80	34.935	
5,000.00	4,980.74	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,090.46	4,945.65	144.80	35.154	
5,100.00	5,080.32	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,124.05	4,979.25	144.80	35.387	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 229J - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,159.37	5,014.57	144.80	35.630	
5,300.00	5,279.47	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,196.38	5,051.57	144.80	35.886	
5,400.00	5,379.04	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,235.03	5,090.23	144.80	36.153	
5,500.00	5,478.62	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,275.29	5,130.49	144.80	36.431	
5,600.00	5,578.19	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,317.13	5,172.33	144.80	36.720	
5,700.00	5,677.77	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,360.51	5,215.71	144.80	37.019	
5,800.00	5,777.34	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,405.40	5,260.59	144.80	37.329	
5,900.00	5,876.91	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,451.74	5,306.94	144.80	37.650	
6,000.00	5,976.49	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,499.52	5,354.72	144.80	37.979	
6,100.00	6,076.06	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,548.68	5,403.88	144.80	38.319	
6,200.00	6,175.64	3,680.00	3,677.63	0.00	145.20	143.37	2,866.62	3,578.92	5,599.20	5,454.40	144.80	38.668	
6,300.00	6,275.24	3,680.00	3,677.63	0.00	145.20	143.65	2,866.62	3,578.92	5,650.86	5,505.95	144.91	38.996	
6,400.00	6,375.04	3,680.00	3,677.63	0.00	145.20	144.35	2,866.62	3,578.92	5,701.84	5,556.73	145.11	39.293	
6,500.00	6,475.00	3,680.00	3,677.63	0.00	145.20	145.01	2,866.62	3,578.92	5,751.68	5,606.48	145.20	39.613	
6,600.00	6,575.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	5,801.05	5,655.85	145.20	39.952	
6,700.00	6,675.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	5,851.64	5,706.44	145.20	40.300	
6,800.00	6,775.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	5,903.49	5,758.29	145.20	40.658	
6,900.00	6,875.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	5,956.56	5,811.36	145.20	41.023	
7,000.00	6,975.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,010.83	5,865.63	145.20	41.397	
7,100.00	7,075.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,066.26	5,921.06	145.20	41.779	
7,200.00	7,175.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,122.83	5,977.63	145.20	42.168	
7,300.00	7,275.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,180.49	6,035.29	145.20	42.565	
7,400.00	7,375.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,239.23	6,094.03	145.20	42.970	
7,500.00	7,475.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,299.01	6,153.80	145.20	43.382	
7,600.00	7,575.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,359.79	6,214.59	145.20	43.800	
7,700.00	7,675.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,421.56	6,276.36	145.20	44.226	
7,800.00	7,775.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,484.28	6,339.08	145.20	44.658	
7,900.00	7,875.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,547.93	6,402.73	145.20	45.096	
8,000.00	7,975.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,612.48	6,467.28	145.20	45.540	
8,100.00	8,075.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,677.90	6,532.70	145.20	45.991	
8,200.00	8,175.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,744.17	6,598.97	145.20	46.447	
8,300.00	8,275.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,811.26	6,666.06	145.20	46.909	
8,400.00	8,375.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,879.15	6,733.95	145.20	47.377	
8,475.00	8,450.00	3,680.00	3,677.63	0.00	145.20	55.23	2,866.62	3,578.92	6,930.58	6,785.38	145.20	47.731	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	1.88	0.00	0.00	82.56	466.68	3,573.47	3,603.81				
100.00	100.00	98.12	100.00	0.00	1.96	82.56	466.68	3,573.47	3,603.81	3,601.85	1.96	1,836.241	CC, ES
200.00	200.00	100.00	101.88	0.00	2.00	82.56	466.68	3,573.47	3,605.15	3,603.15	2.00	1,802.395	SF
300.00	300.00	100.00	101.88	0.00	2.00	82.56	466.68	3,573.47	3,609.26	3,607.26	2.00	1,804.447	
400.00	399.98	100.00	101.88	0.00	2.00	172.48	466.68	3,573.47	3,617.85	3,615.85	2.00	1,809.826	
500.00	499.84	100.00	101.88	0.00	2.00	172.44	466.68	3,573.47	3,632.60	3,630.60	2.00	1,820.475	
600.00	599.47	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,653.20	3,651.21	1.99	1,834.089	
700.00	699.05	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,677.11	3,675.12	1.99	1,846.091	
800.00	798.62	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,703.56	3,701.57	1.99	1,859.372	
900.00	898.20	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,732.51	3,730.52	1.99	1,873.904	
1,000.00	997.77	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,763.89	3,761.90	1.99	1,889.659	
1,100.00	1,097.35	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,797.65	3,795.65	1.99	1,906.606	
1,200.00	1,196.92	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,833.71	3,831.72	1.99	1,924.714	
1,300.00	1,296.49	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,872.03	3,870.04	1.99	1,943.950	
1,400.00	1,396.07	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,912.52	3,910.53	1.99	1,964.281	
1,500.00	1,495.64	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,955.13	3,953.14	1.99	1,985.673	
1,600.00	1,595.22	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	3,999.79	3,997.80	1.99	2,008.093	
1,700.00	1,694.79	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,046.43	4,044.44	1.99	2,031.507	
1,800.00	1,794.37	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,094.97	4,092.98	1.99	2,055.880	
1,900.00	1,893.94	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,145.37	4,143.37	1.99	2,081.179	
2,000.00	1,993.51	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,197.54	4,195.54	1.99	2,107.371	
2,100.00	2,093.09	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,251.42	4,249.43	1.99	2,134.422	
2,200.00	2,192.66	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,306.95	4,304.96	1.99	2,162.301	
2,300.00	2,292.24	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,364.06	4,362.07	1.99	2,190.975	
2,400.00	2,391.81	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,422.70	4,420.71	1.99	2,220.415	
2,500.00	2,491.39	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,482.80	4,480.81	1.99	2,250.589	
2,600.00	2,590.96	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,544.31	4,542.32	1.99	2,281.470	
2,700.00	2,690.53	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,607.17	4,605.18	1.99	2,313.027	
2,800.00	2,790.11	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,671.32	4,669.33	1.99	2,345.235	
2,900.00	2,889.68	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,736.72	4,734.73	1.99	2,378.067	
3,000.00	2,989.26	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,803.31	4,801.31	1.99	2,411.497	
3,100.00	3,088.83	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,871.04	4,869.04	1.99	2,445.501	
3,200.00	3,188.41	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	4,939.86	4,937.87	1.99	2,480.055	
3,300.00	3,287.98	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,009.74	5,007.75	1.99	2,515.137	
3,400.00	3,387.56	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,080.62	5,078.63	1.99	2,550.724	
3,500.00	3,487.13	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,152.47	5,150.48	1.99	2,586.796	
3,600.00	3,586.70	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,225.25	5,223.25	1.99	2,623.333	
3,700.00	3,686.28	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,298.91	5,296.92	1.99	2,660.315	
3,800.00	3,785.85	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,373.42	5,371.43	1.99	2,697.725	
3,900.00	3,885.43	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,448.76	5,446.76	1.99	2,735.545	
4,000.00	3,985.00	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,524.87	5,522.88	1.99	2,773.758	
4,100.00	4,084.58	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,601.73	5,599.74	1.99	2,812.348	
4,200.00	4,184.15	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,679.32	5,677.33	1.99	2,851.300	
4,300.00	4,283.72	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,757.60	5,755.60	1.99	2,890.598	
4,400.00	4,383.30	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,836.54	5,834.54	1.99	2,930.230	
4,500.00	4,482.87	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,916.11	5,914.12	1.99	2,970.182	
4,600.00	4,582.45	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	5,996.30	5,994.31	1.99	3,010.441	
4,700.00	4,682.02	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,077.08	6,075.09	1.99	3,050.995	
4,800.00	4,781.60	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,158.42	6,156.43	1.99	3,091.832	
4,900.00	4,881.17	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,240.30	6,238.31	1.99	3,132.941	
5,000.00	4,980.74	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,322.71	6,320.71	1.99	3,174.312	
5,100.00	5,080.32	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,405.61	6,403.62	1.99	3,215.934	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,489.00	6,487.01	1.99	3,257.799	
5,300.00	5,279.47	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,572.85	6,570.86	1.99	3,299.896	
5,400.00	5,379.04	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,657.15	6,655.15	1.99	3,342.217	
5,500.00	5,478.62	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,741.87	6,739.88	1.99	3,384.754	
5,600.00	5,578.19	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,827.01	6,825.02	1.99	3,427.498	
5,700.00	5,677.77	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,912.55	6,910.56	1.99	3,470.442	
5,800.00	5,777.34	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	6,998.47	6,996.48	1.99	3,513.578	
5,900.00	5,876.91	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,084.76	7,082.77	1.99	3,556.900	
6,000.00	5,976.49	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,171.41	7,169.41	1.99	3,600.401	
6,100.00	6,076.06	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,258.39	7,256.40	1.99	3,644.074	
6,200.00	6,175.64	100.00	101.88	0.00	2.00	172.41	466.68	3,573.47	7,345.72	7,343.72	1.99	3,687.913	
6,300.00	6,275.24	100.00	101.88	0.00	2.00	172.59	466.68	3,573.47	7,433.23	7,431.23	1.99	3,727.540	
6,400.00	6,375.04	100.00	101.88	0.00	2.00	173.02	466.68	3,573.47	7,519.67	7,517.67	2.00	3,762.985	
6,500.00	6,475.00	100.00	101.88	0.00	2.00	173.41	466.68	3,573.47	7,604.68	7,602.68	2.00	3,802.100	
6,600.00	6,575.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	7,688.73	7,686.73	2.00	3,843.981	
6,700.00	6,675.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	7,773.11	7,771.11	2.00	3,886.166	
6,800.00	6,775.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	7,857.85	7,855.85	2.00	3,928.533	
6,900.00	6,875.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	7,942.95	7,940.95	2.00	3,971.078	
7,000.00	6,975.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,028.39	8,026.39	2.00	4,013.795	
7,100.00	7,075.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,114.17	8,112.17	2.00	4,056.678	
7,200.00	7,175.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,200.27	8,198.27	2.00	4,099.722	
7,300.00	7,275.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,286.67	8,284.67	2.00	4,142.923	
7,400.00	7,375.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,373.39	8,371.39	2.00	4,186.274	
7,500.00	7,475.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,460.39	8,458.39	2.00	4,229.772	
7,600.00	7,575.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,547.68	8,545.68	2.00	4,273.413	
7,700.00	7,675.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,635.25	8,633.25	2.00	4,317.191	
7,800.00	7,775.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,723.08	8,721.08	2.00	4,361.103	
7,900.00	7,875.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,811.17	8,809.17	2.00	4,405.144	
8,000.00	7,975.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,899.51	8,897.51	2.00	4,449.312	
8,100.00	8,075.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	8,988.10	8,986.10	2.00	4,493.601	
8,200.00	8,175.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	9,076.93	9,074.93	2.00	4,538.009	
8,300.00	8,275.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	9,165.98	9,163.98	2.00	4,582.532	
8,400.00	8,375.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	9,255.26	9,253.26	2.00	4,627.167	
8,475.00	8,450.00	100.00	101.88	0.00	2.00	83.55	466.68	3,573.47	9,322.36	9,320.36	2.00	4,660.713	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	42.78	0.00	0.00	126.30	-2,201.64	2,996.80	3,718.85				
100.00	100.00	57.22	100.00	0.00	1.14	126.30	-2,201.64	2,996.80	3,718.61	3,717.46	1.14	3,248.583	
122.08	122.08	79.30	122.08	0.00	1.59	126.30	-2,201.64	2,996.80	3,718.61	3,717.02	1.59	2,344.290	CC, ES
200.00	200.00	100.00	142.78	0.00	2.00	126.30	-2,201.64	2,996.80	3,719.05	3,717.05	2.00	1,859.337	SF
300.00	300.00	100.00	142.78	0.00	2.00	126.30	-2,201.64	2,996.80	3,721.93	3,719.93	2.00	1,860.778	
400.00	399.98	100.00	142.78	0.00	2.00	-143.67	-2,201.64	2,996.80	3,728.89	3,726.89	2.00	1,864.998	
500.00	499.84	100.00	142.78	0.00	2.00	-143.52	-2,201.64	2,996.80	3,741.31	3,739.32	2.00	1,873.419	
600.00	599.47	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,758.94	3,756.95	1.99	1,884.447	
700.00	699.05	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,779.70	3,777.71	1.99	1,894.856	
800.00	798.62	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,802.98	3,800.99	1.99	1,906.526	
900.00	898.20	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,828.73	3,826.74	1.99	1,919.435	
1,000.00	997.77	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,856.90	3,854.91	1.99	1,933.558	
1,100.00	1,097.35	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,887.44	3,885.45	1.99	1,948.869	
1,200.00	1,196.92	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,920.30	3,918.30	1.99	1,965.339	
1,300.00	1,296.49	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,955.41	3,953.41	1.99	1,982.941	
1,400.00	1,396.07	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	3,992.72	3,990.72	1.99	2,001.643	
1,500.00	1,495.64	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,032.16	4,030.16	1.99	2,021.416	
1,600.00	1,595.22	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,073.67	4,071.68	1.99	2,042.229	
1,700.00	1,694.79	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,117.20	4,115.20	1.99	2,064.050	
1,800.00	1,794.37	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,162.67	4,160.68	1.99	2,086.847	
1,900.00	1,893.94	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,210.03	4,208.04	1.99	2,110.588	
2,000.00	1,993.51	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,259.21	4,257.22	1.99	2,135.244	
2,100.00	2,093.09	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,310.15	4,308.15	1.99	2,160.781	
2,200.00	2,192.66	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,362.79	4,360.79	1.99	2,187.169	
2,300.00	2,292.24	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,417.06	4,415.06	1.99	2,214.377	
2,400.00	2,391.81	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,472.91	4,470.92	1.99	2,242.377	
2,500.00	2,491.39	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,530.28	4,528.29	1.99	2,271.138	
2,600.00	2,590.96	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,589.11	4,587.12	1.99	2,300.632	
2,700.00	2,690.53	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,649.35	4,647.36	1.99	2,330.831	
2,800.00	2,790.11	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,710.94	4,708.95	1.99	2,361.709	
2,900.00	2,889.68	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,773.84	4,771.84	1.99	2,393.238	
3,000.00	2,989.26	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,837.98	4,835.98	1.99	2,425.394	
3,100.00	3,088.83	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,903.32	4,901.32	1.99	2,458.151	
3,200.00	3,188.41	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	4,969.81	4,967.82	1.99	2,491.487	
3,300.00	3,287.98	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,037.42	5,035.42	1.99	2,525.378	
3,400.00	3,387.56	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,106.08	5,104.09	1.99	2,559.802	
3,500.00	3,487.13	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,175.77	5,173.78	1.99	2,594.738	
3,600.00	3,586.70	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,246.44	5,244.44	1.99	2,630.165	
3,700.00	3,686.28	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,318.05	5,316.05	1.99	2,666.065	
3,800.00	3,785.85	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,390.56	5,388.57	1.99	2,702.417	
3,900.00	3,885.43	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,463.94	5,461.95	1.99	2,739.205	
4,000.00	3,985.00	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,538.16	5,536.16	1.99	2,776.410	
4,100.00	4,084.58	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,613.17	5,611.18	1.99	2,814.017	
4,200.00	4,184.15	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,688.96	5,686.96	1.99	2,852.009	
4,300.00	4,283.72	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,765.48	5,763.48	1.99	2,890.372	
4,400.00	4,383.30	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,842.71	5,840.71	1.99	2,929.089	
4,500.00	4,482.87	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,920.62	5,918.63	1.99	2,968.149	
4,600.00	4,582.45	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	5,999.19	5,997.20	1.99	3,007.537	
4,700.00	4,682.02	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,078.39	6,076.39	1.99	3,047.241	
4,800.00	4,781.60	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,158.19	6,156.20	1.99	3,087.248	
4,900.00	4,881.17	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,238.58	6,236.58	1.99	3,127.547	
5,000.00	4,980.74	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,319.52	6,317.53	1.99	3,168.127	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 230J - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,401.00	6,399.01	1.99	3,208.976	
5,200.00	5,179.89	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,483.01	6,481.01	1.99	3,250.086	
5,300.00	5,279.47	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,565.51	6,563.51	1.99	3,291.446	
5,400.00	5,379.04	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,648.49	6,646.49	1.99	3,333.046	
5,500.00	5,478.62	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,731.93	6,729.94	1.99	3,374.879	
5,600.00	5,578.19	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,815.82	6,813.83	1.99	3,416.935	
5,700.00	5,677.77	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,900.14	6,898.15	1.99	3,459.206	
5,800.00	5,777.34	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	6,984.87	6,982.88	1.99	3,501.684	
5,900.00	5,876.91	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,070.01	7,068.01	1.99	3,544.363	
6,000.00	5,976.49	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,155.52	7,153.53	1.99	3,587.234	
6,100.00	6,076.06	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,241.41	7,239.42	1.99	3,630.292	
6,200.00	6,175.64	100.00	142.78	0.00	2.00	-143.39	-2,201.64	2,996.80	7,327.66	7,325.66	1.99	3,673.529	
6,300.00	6,275.24	100.00	142.78	0.00	2.00	-144.19	-2,201.64	2,996.80	7,414.14	7,412.14	2.00	3,714.223	
6,400.00	6,375.04	100.00	142.78	0.00	2.00	-146.09	-2,201.64	2,996.80	7,499.79	7,497.79	2.00	3,751.976	
6,500.00	6,475.00	100.00	142.78	0.00	2.00	-147.81	-2,201.64	2,996.80	7,584.28	7,582.28	2.00	3,791.864	
6,600.00	6,575.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	7,668.02	7,666.02	2.00	3,833.626	
6,700.00	6,675.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	7,752.09	7,750.09	2.00	3,875.659	
6,800.00	6,775.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	7,836.54	7,834.54	2.00	3,917.879	
6,900.00	6,875.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	7,921.35	7,919.35	2.00	3,960.281	
7,000.00	6,975.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,006.52	8,004.52	2.00	4,002.857	
7,100.00	7,075.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,092.02	8,090.02	2.00	4,045.604	
7,200.00	7,175.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,177.85	8,175.85	2.00	4,088.515	
7,300.00	7,275.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,264.00	8,262.00	2.00	4,131.585	
7,400.00	7,375.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,350.45	8,348.45	2.00	4,174.809	
7,500.00	7,475.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,437.21	8,435.21	2.00	4,218.183	
7,600.00	7,575.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,524.26	8,522.26	2.00	4,261.702	
7,700.00	7,675.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,611.59	8,609.59	2.00	4,305.362	
7,800.00	7,775.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,699.19	8,697.19	2.00	4,349.158	
7,900.00	7,875.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,787.05	8,785.05	2.00	4,393.087	
8,000.00	7,975.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,875.18	8,873.18	2.00	4,437.144	
8,100.00	8,075.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	8,963.55	8,961.55	2.00	4,481.325	
8,200.00	8,175.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	9,052.16	9,050.16	2.00	4,525.628	
8,300.00	8,275.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	9,141.01	9,139.01	2.00	4,570.048	
8,400.00	8,375.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	9,230.09	9,228.09	2.00	4,614.582	
8,475.00	8,450.00	100.00	142.78	0.00	2.00	121.84	-2,201.64	2,996.80	9,297.04	9,295.04	2.00	4,648.054	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	10.74	0.00	0.00	63.13	3,172.59	6,262.69	7,020.45				
100.00	100.00	89.26	100.00	0.00	1.79	63.13	3,172.59	6,262.69	7,020.44	7,018.66	1.79	3,932.092	
200.00	200.00	189.26	200.00	0.00	5.57	63.13	3,172.59	6,262.69	7,020.44	7,014.87	5.57	1,260.267	
300.00	300.00	289.26	300.00	0.00	9.57	63.13	3,172.59	6,262.69	7,020.44	7,010.87	9.57	733.543	CC
400.00	399.98	389.24	399.98	0.00	13.57	153.07	3,172.59	6,262.69	7,022.00	7,008.44	13.56	517.724	ES
500.00	499.84	489.10	499.84	0.00	17.56	153.05	3,172.59	6,262.69	7,026.67	7,009.14	17.53	400.834	
600.00	599.47	588.73	599.47	0.00	21.55	153.04	3,172.59	6,262.69	7,034.24	7,012.77	21.48	327.529	
700.00	699.05	688.31	699.05	0.00	25.53	153.07	3,172.59	6,262.69	7,042.47	7,017.02	25.45	276.760	
800.00	798.62	787.88	798.62	0.00	29.52	153.10	3,172.59	6,262.69	7,050.69	7,021.28	29.42	239.692	
900.00	898.20	887.46	898.20	0.00	33.50	153.14	3,172.59	6,262.69	7,058.92	7,025.54	33.39	211.440	
1,000.00	997.77	987.03	997.77	0.00	37.48	153.17	3,172.59	6,262.69	7,067.15	7,029.80	37.35	189.192	
1,100.00	1,097.35	1,086.61	1,097.35	0.00	41.46	153.21	3,172.59	6,262.69	7,075.38	7,034.06	41.32	171.218	
1,200.00	1,196.92	1,186.18	1,196.92	0.00	45.45	153.24	3,172.59	6,262.69	7,083.62	7,038.33	45.29	156.395	
1,300.00	1,296.49	1,285.75	1,296.49	0.00	49.43	153.27	3,172.59	6,262.69	7,091.86	7,042.59	49.26	143.960	
1,400.00	1,396.07	1,385.33	1,396.07	0.00	53.41	153.31	3,172.59	6,262.69	7,100.10	7,046.87	53.23	133.380	
1,500.00	1,495.64	1,484.90	1,495.64	0.00	57.40	153.34	3,172.59	6,262.69	7,108.34	7,051.14	57.20	124.269	
1,600.00	1,595.22	1,584.48	1,595.22	0.00	61.38	153.37	3,172.59	6,262.69	7,116.59	7,055.42	61.17	116.340	
1,700.00	1,694.79	1,684.05	1,694.79	0.00	65.36	153.41	3,172.59	6,262.69	7,124.83	7,059.69	65.14	109.377	
1,800.00	1,794.37	1,783.63	1,794.37	0.00	69.35	153.44	3,172.59	6,262.69	7,133.08	7,063.97	69.11	103.215	
1,900.00	1,893.94	1,883.20	1,893.94	0.00	73.33	153.47	3,172.59	6,262.69	7,141.34	7,068.26	73.08	97.722	
2,000.00	1,993.51	1,982.77	1,993.51	0.00	77.31	153.51	3,172.59	6,262.69	7,149.59	7,072.54	77.05	92.794	
2,100.00	2,093.09	2,082.35	2,093.09	0.00	81.29	153.54	3,172.59	6,262.69	7,157.85	7,076.83	81.02	88.350	
2,200.00	2,192.66	2,181.92	2,192.66	0.00	85.28	153.57	3,172.59	6,262.69	7,166.11	7,081.12	84.99	84.321	
2,300.00	2,292.24	2,281.50	2,292.24	0.00	89.26	153.60	3,172.59	6,262.69	7,174.37	7,085.41	88.96	80.651	
2,400.00	2,391.81	2,381.07	2,391.81	0.00	93.24	153.64	3,172.59	6,262.69	7,182.63	7,089.71	92.92	77.295	
2,500.00	2,491.39	2,480.65	2,491.39	0.00	97.23	153.67	3,172.59	6,262.69	7,190.90	7,094.00	96.89	74.214	
2,600.00	2,590.96	2,580.22	2,590.96	0.00	101.21	153.70	3,172.59	6,262.69	7,199.17	7,098.30	100.86	71.376	
2,700.00	2,690.53	2,679.79	2,690.53	0.00	105.19	153.73	3,172.59	6,262.69	7,207.44	7,102.61	104.83	68.752	
2,800.00	2,790.11	2,779.37	2,790.11	0.00	109.17	153.77	3,172.59	6,262.69	7,215.71	7,106.91	108.80	66.320	
2,900.00	2,889.68	2,878.94	2,889.68	0.00	113.16	153.80	3,172.59	6,262.69	7,223.99	7,111.22	112.77	64.059	
3,000.00	2,989.26	2,978.52	2,989.26	0.00	117.14	153.83	3,172.59	6,262.69	7,232.26	7,115.52	116.74	61.952	
3,100.00	3,088.83	3,078.09	3,088.83	0.00	121.12	153.86	3,172.59	6,262.69	7,240.54	7,119.84	120.71	59.984	
3,200.00	3,188.41	3,177.67	3,188.41	0.00	125.11	153.90	3,172.59	6,262.69	7,248.83	7,124.15	124.68	58.141	
3,300.00	3,287.98	3,277.24	3,287.98	0.00	129.09	153.93	3,172.59	6,262.69	7,257.11	7,128.46	128.65	56.411	
3,400.00	3,387.56	3,376.82	3,387.56	0.00	133.07	153.96	3,172.59	6,262.69	7,265.40	7,132.78	132.62	54.785	
3,500.00	3,487.13	3,476.39	3,487.13	0.00	137.06	153.99	3,172.59	6,262.69	7,273.69	7,137.10	136.58	53.254	
3,600.00	3,586.70	3,575.96	3,586.70	0.00	141.04	154.02	3,172.59	6,262.69	7,281.98	7,141.42	140.55	51.809	
3,700.00	3,686.28	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,290.27	7,145.77	144.50	50.451	SF
3,800.00	3,785.85	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,299.25	7,154.75	144.50	50.513	
3,900.00	3,885.43	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,309.59	7,165.09	144.50	50.585	
4,000.00	3,985.00	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,321.28	7,176.78	144.50	50.666	
4,100.00	4,084.58	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,334.32	7,189.82	144.50	50.756	
4,200.00	4,184.15	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,348.69	7,204.19	144.50	50.856	
4,300.00	4,283.72	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,364.40	7,219.89	144.50	50.964	
4,400.00	4,383.30	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,381.42	7,236.92	144.50	51.082	
4,500.00	4,482.87	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,399.76	7,255.26	144.50	51.209	
4,600.00	4,582.45	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,419.40	7,274.90	144.50	51.345	
4,700.00	4,682.02	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,440.33	7,295.83	144.50	51.490	
4,800.00	4,781.60	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,462.54	7,318.04	144.50	51.643	
4,900.00	4,881.17	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,486.03	7,341.53	144.50	51.806	
5,000.00	4,980.74	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,510.77	7,366.27	144.50	51.977	
5,100.00	5,080.32	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,536.76	7,392.26	144.50	52.157	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 239 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,563.98	7,419.48	144.50	52.345	
5,300.00	5,279.47	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,592.42	7,447.92	144.50	52.542	
5,400.00	5,379.04	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,622.06	7,477.56	144.50	52.747	
5,500.00	5,478.62	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,652.90	7,508.40	144.50	52.961	
5,600.00	5,578.19	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,684.92	7,540.41	144.50	53.182	
5,700.00	5,677.77	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,718.09	7,573.59	144.50	53.412	
5,800.00	5,777.34	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,752.42	7,607.92	144.50	53.649	
5,900.00	5,876.91	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,787.88	7,643.38	144.50	53.895	
6,000.00	5,976.49	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,824.46	7,679.95	144.50	54.148	
6,100.00	6,076.06	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,862.13	7,717.63	144.50	54.409	
6,200.00	6,175.64	3,675.00	3,685.74	0.00	145.00	154.05	3,172.59	6,262.69	7,900.90	7,756.40	144.50	54.677	
6,300.00	6,275.24	3,675.00	3,685.74	0.00	145.00	154.20	3,172.59	6,262.69	7,940.51	7,795.87	144.64	54.899	
6,400.00	6,375.04	3,675.00	3,685.74	0.00	145.00	154.56	3,172.59	6,262.69	7,978.82	7,833.94	144.89	55.069	
6,500.00	6,475.00	3,675.00	3,685.74	0.00	145.00	154.90	3,172.59	6,262.69	8,015.29	7,870.30	145.00	55.280	
6,600.00	6,575.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,050.73	7,905.73	145.00	55.522	
6,700.00	6,675.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,087.16	7,942.16	145.00	55.773	
6,800.00	6,775.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,124.65	7,979.65	145.00	56.032	
6,900.00	6,875.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,163.20	8,018.20	145.00	56.298	
7,000.00	6,975.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,202.78	8,057.78	145.00	56.571	
7,100.00	7,075.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,243.39	8,098.39	145.00	56.851	
7,200.00	7,175.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,285.01	8,140.01	145.00	57.138	
7,300.00	7,275.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,327.62	8,182.62	145.00	57.432	
7,400.00	7,375.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,371.20	8,226.20	145.00	57.732	
7,500.00	7,475.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,415.75	8,270.75	145.00	58.040	
7,600.00	7,575.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,461.25	8,316.25	145.00	58.353	
7,700.00	7,675.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,507.68	8,362.68	145.00	58.674	
7,800.00	7,775.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,555.03	8,410.03	145.00	59.000	
7,900.00	7,875.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,603.27	8,458.27	145.00	59.333	
8,000.00	7,975.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,652.41	8,507.41	145.00	59.672	
8,100.00	8,075.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,702.42	8,557.42	145.00	60.017	
8,200.00	8,175.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,753.28	8,608.28	145.00	60.367	
8,300.00	8,275.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,804.98	8,659.98	145.00	60.724	
8,400.00	8,375.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,857.52	8,712.52	145.00	61.086	
8,475.00	8,450.00	3,675.00	3,685.74	0.00	145.00	65.03	3,172.59	6,262.69	8,897.45	8,752.45	145.00	61.362	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	54.55	0.00	0.00	1.09	82.95	740.78	5,988.50	6,034.14				
100.00	100.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,034.39	6,032.39	2.00	3,016.893	ES, SF
200.00	200.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,036.12	6,034.12	2.00	3,017.759	
300.00	300.00	100.00	45.45	0.00	2.00	82.95	740.78	5,988.50	6,039.51	6,037.51	2.00	3,019.453	
400.00	399.98	100.00	45.45	0.00	2.00	172.88	740.78	5,988.50	6,046.28	6,044.28	2.00	3,024.651	
500.00	499.84	100.00	45.45	0.00	2.00	172.85	740.78	5,988.50	6,058.13	6,056.14	2.00	3,036.044	
600.00	599.47	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,074.81	6,072.82	1.99	3,049.882	
700.00	699.05	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,093.80	6,091.81	1.99	3,059.412	
800.00	798.62	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,114.36	6,112.37	1.99	3,069.734	
900.00	898.20	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,136.48	6,134.49	1.99	3,080.840	
1,000.00	997.77	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,160.14	6,158.15	1.99	3,092.721	
1,100.00	1,097.35	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,185.33	6,183.34	1.99	3,105.368	
1,200.00	1,196.92	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,212.03	6,210.04	1.99	3,118.772	
1,300.00	1,296.49	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,240.22	6,238.23	1.99	3,132.924	
1,400.00	1,396.07	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,269.87	6,267.88	1.99	3,147.813	
1,500.00	1,495.64	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,300.98	6,298.99	1.99	3,163.428	
1,600.00	1,595.22	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,333.51	6,331.52	1.99	3,179.760	
1,700.00	1,694.79	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,367.44	6,365.45	1.99	3,196.796	
1,800.00	1,794.37	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,402.76	6,400.77	1.99	3,214.527	
1,900.00	1,893.94	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,439.43	6,437.44	1.99	3,232.940	
2,000.00	1,993.51	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,477.45	6,475.45	1.99	3,252.024	
2,100.00	2,093.09	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,516.77	6,514.78	1.99	3,271.767	
2,200.00	2,192.66	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,557.38	6,555.39	1.99	3,292.158	
2,300.00	2,292.24	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,599.26	6,597.27	1.99	3,313.183	
2,400.00	2,391.81	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,642.38	6,640.39	1.99	3,334.832	
2,500.00	2,491.39	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,686.72	6,684.73	1.99	3,357.093	
2,600.00	2,590.96	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,732.26	6,730.26	1.99	3,379.952	
2,700.00	2,690.53	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,778.96	6,776.97	1.99	3,403.399	
2,800.00	2,790.11	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,826.80	6,824.81	1.99	3,427.421	
2,900.00	2,889.68	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,875.77	6,873.78	1.99	3,452.006	
3,000.00	2,989.26	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,925.84	6,923.85	1.99	3,477.141	
3,100.00	3,088.83	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	6,976.98	6,974.99	1.99	3,502.817	
3,200.00	3,188.41	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,029.17	7,027.18	1.99	3,529.019	
3,300.00	3,287.98	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,082.39	7,080.40	1.99	3,555.738	
3,400.00	3,387.56	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,136.61	7,134.62	1.99	3,582.961	
3,500.00	3,487.13	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,191.82	7,189.82	1.99	3,610.676	
3,600.00	3,586.70	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,247.98	7,245.99	1.99	3,638.873	
3,700.00	3,686.28	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,305.08	7,303.09	1.99	3,667.541	
3,800.00	3,785.85	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,363.10	7,361.10	1.99	3,696.668	
3,900.00	3,885.43	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,422.01	7,420.02	1.99	3,726.245	
4,000.00	3,985.00	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,481.79	7,479.80	1.99	3,756.259	
4,100.00	4,084.58	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,542.43	7,540.43	1.99	3,786.701	
4,200.00	4,184.15	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,603.89	7,601.90	1.99	3,817.560	
4,300.00	4,283.72	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,666.17	7,664.18	1.99	3,848.828	
4,400.00	4,383.30	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,729.24	7,727.25	1.99	3,880.492	
4,500.00	4,482.87	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,793.08	7,791.09	1.99	3,912.545	
4,600.00	4,582.45	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,857.68	7,855.69	1.99	3,944.976	
4,700.00	4,682.02	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,923.01	7,921.02	1.99	3,977.777	
4,800.00	4,781.60	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	7,989.06	7,987.07	1.99	4,010.937	
4,900.00	4,881.17	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,055.81	8,053.82	1.99	4,044.449	
5,000.00	4,980.74	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,123.25	8,121.25	1.99	4,078.304	
5,100.00	5,080.32	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,191.34	8,189.35	1.99	4,112.493	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 240 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,260.09	8,258.10	1.99	4,147.008	
5,300.00	5,279.47	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,329.47	8,327.48	1.99	4,181.841	
5,400.00	5,379.04	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,399.47	8,397.48	1.99	4,216.983	
5,500.00	5,478.62	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,470.07	8,468.08	1.99	4,252.429	
5,600.00	5,578.19	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,541.26	8,539.27	1.99	4,288.169	
5,700.00	5,677.77	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,613.02	8,611.03	1.99	4,324.196	
5,800.00	5,777.34	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,685.34	8,683.35	1.99	4,360.504	
5,900.00	5,876.91	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,758.20	8,756.21	1.99	4,397.085	
6,000.00	5,976.49	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,831.59	8,829.60	1.99	4,433.933	
6,100.00	6,076.06	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,905.51	8,903.52	1.99	4,471.041	
6,200.00	6,175.64	100.00	45.45	0.00	2.00	172.82	740.78	5,988.50	8,979.93	8,977.93	1.99	4,508.403	
6,300.00	6,275.24	100.00	45.45	0.00	2.00	172.93	740.78	5,988.50	9,054.66	9,052.66	1.99	4,540.660	
6,400.00	6,375.04	100.00	45.45	0.00	2.00	173.19	740.78	5,988.50	9,127.98	9,125.99	2.00	4,567.821	
6,500.00	6,475.00	100.00	45.45	0.00	2.00	173.43	740.78	5,988.50	9,199.44	9,197.44	2.00	4,599.433	
6,600.00	6,575.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,269.68	9,267.68	2.00	4,634.378	
6,700.00	6,675.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,340.39	9,338.39	2.00	4,669.730	
6,800.00	6,775.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,411.63	9,409.63	2.00	4,705.347	
6,900.00	6,875.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,483.40	9,481.39	2.00	4,741.223	
7,000.00	6,975.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,555.66	9,553.66	2.00	4,777.353	
7,100.00	7,075.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,628.43	9,626.43	2.00	4,813.732	
7,200.00	7,175.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,701.68	9,699.68	2.00	4,850.352	
7,300.00	7,275.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,775.40	9,773.40	2.00	4,887.210	
7,400.00	7,375.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,849.59	9,847.59	2.00	4,924.300	
7,500.00	7,475.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,924.23	9,922.23	2.00	4,961.616	
7,600.00	7,575.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	9,999.31	9,997.31	2.00	4,999.154	
7,700.00	7,675.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,074.82	10,072.82	2.00	5,036.908	
7,800.00	7,775.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,150.76	10,148.76	2.00	5,074.873	
7,900.00	7,875.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,227.12	10,225.12	2.00	5,113.046	
8,000.00	7,975.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,303.87	10,301.87	2.00	5,151.421	
8,100.00	8,075.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,381.03	10,379.03	2.00	5,189.994	
8,200.00	8,175.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,458.57	10,456.57	2.00	5,228.760	
8,300.00	8,275.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,536.49	10,534.49	2.00	5,267.716	
8,400.00	8,375.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,614.77	10,612.77	2.00	5,306.856	
8,475.00	8,450.00	100.00	45.45	0.00	2.00	83.54	740.78	5,988.50	10,673.73	10,671.73	2.00	5,336.329	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	131.90	0.00	0.00	102.15	-1,953.85	9,073.63	9,282.55				
100.00	100.00	0.00	131.90	0.00	0.00	102.15	-1,953.85	9,073.63	9,281.67				
148.95	148.95	17.05	148.95	0.00	0.34	102.15	-1,953.85	9,073.63	9,281.61	9,281.27	0.34	N/A	
200.00	200.00	68.10	200.00	0.00	1.36	102.15	-1,953.85	9,073.63	9,281.61	9,280.25	1.36	6,813.372	
300.00	300.00	168.10	300.00	0.00	4.72	102.15	-1,953.85	9,073.63	9,281.61	9,276.89	4.72	1,964.695	CC
400.00	399.98	268.08	399.98	0.00	8.72	-167.90	-1,953.85	9,073.63	9,283.32	9,274.60	8.72	1,064.807	ES
500.00	499.84	367.94	499.84	0.00	12.72	-167.88	-1,953.85	9,073.63	9,288.43	9,275.75	12.69	732.059	
600.00	599.47	467.57	599.47	0.00	16.70	-167.87	-1,953.85	9,073.63	9,296.74	9,280.11	16.64	558.860	
700.00	699.05	567.15	699.05	0.00	20.69	-167.88	-1,953.85	9,073.63	9,305.75	9,285.15	20.60	451.693	
800.00	798.62	666.72	798.62	0.00	24.67	-167.90	-1,953.85	9,073.63	9,314.77	9,290.20	24.57	379.131	
900.00	898.20	766.30	898.20	0.00	28.65	-167.91	-1,953.85	9,073.63	9,323.78	9,295.25	28.54	326.744	
1,000.00	997.77	865.87	997.77	0.00	32.63	-167.92	-1,953.85	9,073.63	9,332.80	9,300.29	32.50	287.143	
1,100.00	1,097.35	965.45	1,097.35	0.00	36.62	-167.93	-1,953.85	9,073.63	9,341.81	9,305.34	36.47	256.158	
1,200.00	1,196.92	1,065.02	1,196.92	0.00	40.60	-167.94	-1,953.85	9,073.63	9,350.83	9,310.39	40.44	231.252	
1,300.00	1,296.49	1,164.59	1,296.49	0.00	44.58	-167.96	-1,953.85	9,073.63	9,359.84	9,315.44	44.40	210.796	
1,400.00	1,396.07	1,264.17	1,396.07	0.00	48.57	-167.97	-1,953.85	9,073.63	9,368.86	9,320.49	48.37	193.695	
1,500.00	1,495.64	1,363.74	1,495.64	0.00	52.55	-167.98	-1,953.85	9,073.63	9,377.87	9,325.54	52.34	179.186	
1,600.00	1,595.22	1,463.32	1,595.22	0.00	56.53	-167.99	-1,953.85	9,073.63	9,386.89	9,330.59	56.30	166.722	
1,700.00	1,694.79	1,562.89	1,694.79	0.00	60.52	-168.00	-1,953.85	9,073.63	9,395.91	9,335.64	60.27	155.898	
1,800.00	1,794.37	1,662.47	1,794.37	0.00	64.50	-168.01	-1,953.85	9,073.63	9,404.92	9,340.69	64.24	146.412	
1,900.00	1,893.94	1,762.04	1,893.94	0.00	68.48	-168.03	-1,953.85	9,073.63	9,413.94	9,345.74	68.20	138.029	
2,000.00	1,993.51	1,861.61	1,993.51	0.00	72.46	-168.04	-1,953.85	9,073.63	9,422.96	9,350.79	72.17	130.567	
2,100.00	2,093.09	1,961.19	2,093.09	0.00	76.45	-168.05	-1,953.85	9,073.63	9,431.98	9,355.84	76.14	123.883	
2,200.00	2,192.66	2,060.76	2,192.66	0.00	80.43	-168.06	-1,953.85	9,073.63	9,441.00	9,360.89	80.10	117.861	
2,300.00	2,292.24	2,160.34	2,292.24	0.00	84.41	-168.07	-1,953.85	9,073.63	9,450.02	9,365.95	84.07	112.407	
2,400.00	2,391.81	2,259.91	2,391.81	0.00	88.40	-168.08	-1,953.85	9,073.63	9,459.03	9,371.00	88.04	107.444	
2,500.00	2,491.39	2,359.49	2,491.39	0.00	92.38	-168.10	-1,953.85	9,073.63	9,468.05	9,376.05	92.00	102.910	
2,600.00	2,590.96	2,459.06	2,590.96	0.00	96.36	-168.11	-1,953.85	9,073.63	9,477.08	9,381.11	95.97	98.750	
2,700.00	2,690.53	2,558.63	2,690.53	0.00	100.35	-168.12	-1,953.85	9,073.63	9,486.10	9,386.16	99.94	94.921	
2,800.00	2,790.11	2,658.21	2,790.11	0.00	104.33	-168.13	-1,953.85	9,073.63	9,495.12	9,391.21	103.90	91.384	
2,900.00	2,889.68	2,757.78	2,889.68	0.00	108.31	-168.14	-1,953.85	9,073.63	9,504.14	9,396.27	107.87	88.107	
3,000.00	2,989.26	2,857.36	2,989.26	0.00	112.29	-168.15	-1,953.85	9,073.63	9,513.16	9,401.32	111.84	85.063	
3,100.00	3,088.83	2,956.93	3,088.83	0.00	116.28	-168.16	-1,953.85	9,073.63	9,522.18	9,406.38	115.80	82.227	
3,200.00	3,188.41	3,056.51	3,188.41	0.00	120.26	-168.18	-1,953.85	9,073.63	9,531.21	9,411.44	119.77	79.579	
3,300.00	3,287.98	3,156.08	3,287.98	0.00	124.24	-168.19	-1,953.85	9,073.63	9,540.23	9,416.49	123.74	77.101	
3,400.00	3,387.56	3,255.66	3,387.56	0.00	128.23	-168.20	-1,953.85	9,073.63	9,549.25	9,421.55	127.70	74.777	
3,500.00	3,487.13	3,355.23	3,487.13	0.00	132.21	-168.21	-1,953.85	9,073.63	9,558.28	9,426.61	131.67	72.593	
3,600.00	3,586.70	3,454.80	3,586.70	0.00	136.19	-168.22	-1,953.85	9,073.63	9,567.30	9,431.66	135.64	70.536	
3,700.00	3,686.28	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,576.33	9,436.90	139.43	68.682	SF
3,800.00	3,785.85	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,585.91	9,446.48	139.43	68.751	
3,900.00	3,885.43	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,596.53	9,457.10	139.43	68.827	
4,000.00	3,985.00	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,608.18	9,468.75	139.43	68.911	
4,100.00	4,084.58	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,620.86	9,481.43	139.43	69.002	
4,200.00	4,184.15	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,634.55	9,495.12	139.43	69.100	
4,300.00	4,283.72	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,649.26	9,509.84	139.43	69.206	
4,400.00	4,383.30	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,664.99	9,525.56	139.43	69.318	
4,500.00	4,482.87	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,681.72	9,542.29	139.43	69.438	
4,600.00	4,582.45	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,699.46	9,560.03	139.43	69.565	
4,700.00	4,682.02	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,718.19	9,578.76	139.43	69.700	
4,800.00	4,781.60	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,737.91	9,598.48	139.43	69.841	
4,900.00	4,881.17	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,758.62	9,619.19	139.43	69.990	
5,000.00	4,980.74	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,780.30	9,640.87	139.43	70.145	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 241 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,802.96	9,663.53	139.43	70.308	
5,200.00	5,179.89	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,826.58	9,687.16	139.43	70.477	
5,300.00	5,279.47	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,851.17	9,711.74	139.43	70.654	
5,400.00	5,379.04	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,876.70	9,737.27	139.43	70.837	
5,500.00	5,478.62	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,903.18	9,763.75	139.43	71.027	
5,600.00	5,578.19	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,930.59	9,791.16	139.43	71.223	
5,700.00	5,677.77	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,958.93	9,819.50	139.43	71.426	
5,800.00	5,777.34	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	9,988.20	9,848.77	139.43	71.636	
5,900.00	5,876.91	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,018.37	9,878.94	139.43	71.853	
6,000.00	5,976.49	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,049.45	9,910.02	139.43	72.076	
6,100.00	6,076.06	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,081.43	9,942.00	139.43	72.305	
6,200.00	6,175.64	3,550.00	3,681.90	0.00	140.00	-168.23	-1,953.85	9,073.63	10,114.29	9,974.87	139.43	72.541	
6,300.00	6,275.24	3,550.00	3,681.90	0.00	140.00	-168.29	-1,953.85	9,073.63	10,147.79	10,008.20	139.59	72.699	
6,400.00	6,375.04	3,550.00	3,681.90	0.00	140.00	-168.42	-1,953.85	9,073.63	10,179.52	10,039.65	139.87	72.777	
6,500.00	6,475.00	3,550.00	3,681.90	0.00	140.00	-168.55	-1,953.85	9,073.63	10,208.89	10,068.90	140.00	72.923	
6,600.00	6,575.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,236.80	10,096.80	140.00	73.120	
6,700.00	6,675.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,265.51	10,125.51	140.00	73.325	
6,800.00	6,775.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,295.12	10,155.12	140.00	73.536	
6,900.00	6,875.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,325.60	10,185.60	140.00	73.754	
7,000.00	6,975.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,356.96	10,216.96	140.00	73.978	
7,100.00	7,075.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,389.19	10,249.19	140.00	74.208	
7,200.00	7,175.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,422.28	10,282.28	140.00	74.445	
7,300.00	7,275.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,456.22	10,316.22	140.00	74.687	
7,400.00	7,375.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,491.00	10,351.00	140.00	74.936	
7,500.00	7,475.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,526.62	10,386.62	140.00	75.190	
7,600.00	7,575.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,563.07	10,423.07	140.00	75.450	
7,700.00	7,675.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,600.33	10,460.33	140.00	75.717	
7,800.00	7,775.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,638.40	10,498.40	140.00	75.988	
7,900.00	7,875.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,677.28	10,537.28	140.00	76.266	
8,000.00	7,975.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,716.94	10,576.94	140.00	76.549	
8,100.00	8,075.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,757.39	10,617.39	140.00	76.838	
8,200.00	8,175.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,798.62	10,658.62	140.00	77.133	
8,300.00	8,275.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,840.61	10,700.61	140.00	77.433	
8,400.00	8,375.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,883.35	10,743.35	140.00	77.738	
8,475.00	8,450.00	3,550.00	3,681.90	0.00	140.00	101.48	-1,953.85	9,073.63	10,915.90	10,775.90	140.00	77.971	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	45.97	0.00	0.00	75.76	1,910.52	7,526.10	7,764.95				
100.00	100.00	54.03	100.00	0.00	1.08	75.76	1,910.52	7,526.10	7,764.81	7,763.73	1.08	7,183.705	
127.49	127.49	81.52	127.49	0.00	1.63	75.76	1,910.52	7,526.10	7,764.81	7,763.18	1.63	4,761.908	CC
200.00	200.00	100.00	145.97	0.00	2.00	75.76	1,910.52	7,526.10	7,765.00	7,763.00	2.00	3,882.110	ES, SF
300.00	300.00	100.00	145.97	0.00	2.00	75.76	1,910.52	7,526.10	7,766.34	7,764.34	2.00	3,882.780	
400.00	399.98	100.00	145.97	0.00	2.00	165.68	1,910.52	7,526.10	7,770.65	7,768.65	2.00	3,887.161	
500.00	499.84	100.00	145.97	0.00	2.00	165.63	1,910.52	7,526.10	7,779.62	7,777.63	2.00	3,898.334	
600.00	599.47	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,793.01	7,791.02	1.99	3,911.733	
700.00	699.05	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,808.35	7,806.36	1.99	3,919.433	
800.00	798.62	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,824.94	7,822.94	1.99	3,927.758	
900.00	898.20	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,842.76	7,840.77	1.99	3,936.706	
1,000.00	997.77	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,861.82	7,859.83	1.99	3,946.272	
1,100.00	1,097.35	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,882.10	7,880.11	1.99	3,956.452	
1,200.00	1,196.92	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,903.60	7,901.60	1.99	3,967.241	
1,300.00	1,296.49	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,926.29	7,924.30	1.99	3,978.634	
1,400.00	1,396.07	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,950.18	7,948.19	1.99	3,990.626	
1,500.00	1,495.64	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	7,975.26	7,973.26	1.99	4,003.212	
1,600.00	1,595.22	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,001.50	7,999.51	1.99	4,016.385	
1,700.00	1,694.79	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,028.90	8,026.91	1.99	4,030.141	
1,800.00	1,794.37	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,057.46	8,055.46	1.99	4,044.473	
1,900.00	1,893.94	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,087.14	8,085.15	1.99	4,059.375	
2,000.00	1,993.51	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,117.96	8,115.96	1.99	4,074.841	
2,100.00	2,093.09	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,149.88	8,147.89	1.99	4,090.864	
2,200.00	2,192.66	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,182.90	8,180.90	1.99	4,107.438	
2,300.00	2,292.24	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,217.00	8,215.01	1.99	4,124.557	
2,400.00	2,391.81	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,252.18	8,250.18	1.99	4,142.213	
2,500.00	2,491.39	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,288.41	8,286.42	1.99	4,160.399	
2,600.00	2,590.96	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,325.68	8,323.69	1.99	4,179.110	
2,700.00	2,690.53	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,363.99	8,362.00	1.99	4,198.337	
2,800.00	2,790.11	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,403.31	8,401.32	1.99	4,218.074	
2,900.00	2,889.68	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,443.63	8,441.64	1.99	4,238.314	
3,000.00	2,989.26	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,484.94	8,482.95	1.99	4,259.049	
3,100.00	3,088.83	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,527.22	8,525.23	1.99	4,280.273	
3,200.00	3,188.41	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,570.46	8,568.47	1.99	4,301.977	
3,300.00	3,287.98	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,614.64	8,612.65	1.99	4,324.155	
3,400.00	3,387.56	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,659.76	8,657.76	1.99	4,346.800	
3,500.00	3,487.13	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,705.78	8,703.79	1.99	4,369.903	
3,600.00	3,586.70	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,752.71	8,750.72	1.99	4,393.459	
3,700.00	3,686.28	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,800.53	8,798.54	1.99	4,417.460	
3,800.00	3,785.85	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,849.21	8,847.22	1.99	4,441.898	
3,900.00	3,885.43	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,898.76	8,896.77	1.99	4,466.767	
4,000.00	3,985.00	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	8,949.14	8,947.15	1.99	4,492.059	
4,100.00	4,084.58	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,000.36	8,998.37	1.99	4,517.767	
4,200.00	4,184.15	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,052.39	9,050.40	1.99	4,543.884	
4,300.00	4,283.72	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,105.22	9,103.23	1.99	4,570.403	
4,400.00	4,383.30	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,158.84	9,156.85	1.99	4,597.317	
4,500.00	4,482.87	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,213.23	9,211.24	1.99	4,624.619	
4,600.00	4,582.45	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,268.39	9,266.39	1.99	4,652.303	
4,700.00	4,682.02	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,324.28	9,322.29	1.99	4,680.362	
4,800.00	4,781.60	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,380.92	9,378.92	1.99	4,708.788	
4,900.00	4,881.17	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,438.27	9,436.27	1.99	4,737.575	
5,000.00	4,980.74	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,496.32	9,494.33	1.99	4,766.718	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,555.08	9,553.08	1.99	4,796.208	
5,200.00	5,179.89	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,614.51	9,612.52	1.99	4,826.041	
5,300.00	5,279.47	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,674.61	9,672.62	1.99	4,856.209	
5,400.00	5,379.04	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,735.37	9,733.37	1.99	4,886.706	
5,500.00	5,478.62	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,796.77	9,794.78	1.99	4,917.527	
5,600.00	5,578.19	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,858.80	9,856.81	1.99	4,948.665	
5,700.00	5,677.77	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,921.45	9,919.46	1.99	4,980.114	
5,800.00	5,777.34	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	9,984.72	9,982.72	1.99	5,011.868	
5,900.00	5,876.91	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,048.57	10,046.58	1.99	5,043.922	
6,000.00	5,976.49	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,113.02	10,111.03	1.99	5,076.270	
6,100.00	6,076.06	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,178.04	10,176.05	1.99	5,108.907	
6,200.00	6,175.64	100.00	145.97	0.00	2.00	165.59	1,910.52	7,526.10	10,243.62	10,241.63	1.99	5,141.826	
6,300.00	6,275.24	100.00	145.97	0.00	2.00	165.76	1,910.52	7,526.10	10,309.56	10,307.56	1.99	5,169.232	
6,400.00	6,375.04	100.00	145.97	0.00	2.00	166.17	1,910.52	7,526.10	10,373.96	10,371.96	2.00	5,191.117	
6,500.00	6,475.00	100.00	145.97	0.00	2.00	166.55	1,910.52	7,526.10	10,436.31	10,434.31	2.00	5,217.819	
6,600.00	6,575.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,497.34	10,495.34	2.00	5,248.143	
6,700.00	6,675.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,558.88	10,556.88	2.00	5,278.910	
6,800.00	6,775.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,621.00	10,619.00	2.00	5,309.970	
6,900.00	6,875.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,683.70	10,681.70	2.00	5,341.317	
7,000.00	6,975.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,746.97	10,744.97	2.00	5,372.946	
7,100.00	7,075.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,810.79	10,808.79	2.00	5,404.852	
7,200.00	7,175.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,875.15	10,873.15	2.00	5,437.032	
7,300.00	7,275.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	10,940.05	10,938.05	2.00	5,469.478	
7,400.00	7,375.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,005.48	11,003.48	2.00	5,502.188	
7,500.00	7,475.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,071.42	11,069.42	2.00	5,535.156	
7,600.00	7,575.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,137.87	11,135.87	2.00	5,568.378	
7,700.00	7,675.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,204.82	11,202.82	2.00	5,601.848	
7,800.00	7,775.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,272.26	11,270.26	2.00	5,635.564	
7,900.00	7,875.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,340.17	11,338.17	2.00	5,669.520	
8,000.00	7,975.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,408.57	11,406.57	2.00	5,703.712	
8,100.00	8,075.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,477.42	11,475.42	2.00	5,738.136	
8,200.00	8,175.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,546.73	11,544.73	2.00	5,772.788	
8,300.00	8,275.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,616.49	11,614.49	2.00	5,807.663	
8,400.00	8,375.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,686.68	11,684.68	2.00	5,842.758	
8,475.00	8,450.00	100.00	145.97	0.00	2.00	76.69	1,910.52	7,526.10	11,739.61	11,737.61	2.00	5,869.219	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	46.94	0.00	0.00	75.76	1,910.45	7,526.10	7,764.93				
100.00	100.00	53.06	100.00	0.00	1.06	75.76	1,910.45	7,526.10	7,764.79	7,763.73	1.06	7,314.966	
128.99	128.99	82.05	128.99	0.00	1.64	75.76	1,910.45	7,526.10	7,764.79	7,763.15	1.64	4,731.234	CC
200.00	200.00	100.00	146.94	0.00	2.00	75.76	1,910.45	7,526.10	7,764.97	7,762.97	2.00	3,882.098	ES, SF
300.00	300.00	100.00	146.94	0.00	2.00	75.76	1,910.45	7,526.10	7,766.30	7,764.30	2.00	3,882.762	
400.00	399.98	100.00	146.94	0.00	2.00	165.68	1,910.45	7,526.10	7,770.60	7,768.61	2.00	3,887.137	
500.00	499.84	100.00	146.94	0.00	2.00	165.64	1,910.45	7,526.10	7,779.56	7,777.57	2.00	3,898.303	
600.00	599.47	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,792.94	7,790.95	1.99	3,911.697	
700.00	699.05	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,808.26	7,806.27	1.99	3,919.390	
800.00	798.62	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,824.84	7,822.85	1.99	3,927.709	
900.00	898.20	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,842.65	7,840.66	1.99	3,936.651	
1,000.00	997.77	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,861.70	7,859.71	1.99	3,946.211	
1,100.00	1,097.35	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,881.97	7,879.98	1.99	3,956.385	
1,200.00	1,196.92	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,903.45	7,901.46	1.99	3,967.168	
1,300.00	1,296.49	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,926.14	7,924.14	1.99	3,978.555	
1,400.00	1,396.07	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,950.01	7,948.02	1.99	3,990.542	
1,500.00	1,495.64	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	7,975.08	7,973.08	1.99	4,003.121	
1,600.00	1,595.22	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,001.31	7,999.32	1.99	4,016.289	
1,700.00	1,694.79	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,028.70	8,026.71	1.99	4,030.039	
1,800.00	1,794.37	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,057.24	8,055.25	1.99	4,044.365	
1,900.00	1,893.94	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,086.92	8,084.93	1.99	4,059.261	
2,000.00	1,993.51	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,117.72	8,115.73	1.99	4,074.722	
2,100.00	2,093.09	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,149.63	8,147.64	1.99	4,090.739	
2,200.00	2,192.66	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,182.64	8,180.65	1.99	4,107.308	
2,300.00	2,292.24	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,216.73	8,214.74	1.99	4,124.421	
2,400.00	2,391.81	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,251.90	8,249.90	1.99	4,142.072	
2,500.00	2,491.39	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,288.12	8,286.12	1.99	4,160.254	
2,600.00	2,590.96	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,325.38	8,323.39	1.99	4,178.959	
2,700.00	2,690.53	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,363.68	8,361.68	1.99	4,198.181	
2,800.00	2,790.11	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,402.99	8,401.00	1.99	4,217.913	
2,900.00	2,889.68	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,443.30	8,441.31	1.99	4,238.148	
3,000.00	2,989.26	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,484.60	8,482.61	1.99	4,258.878	
3,100.00	3,088.83	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,526.87	8,524.88	1.99	4,280.097	
3,200.00	3,188.41	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,570.10	8,568.11	1.99	4,301.796	
3,300.00	3,287.98	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,614.27	8,612.28	1.99	4,323.970	
3,400.00	3,387.56	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,659.38	8,657.39	1.99	4,346.610	
3,500.00	3,487.13	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,705.40	8,703.40	1.99	4,369.709	
3,600.00	3,586.70	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,752.32	8,750.32	1.99	4,393.260	
3,700.00	3,686.28	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,800.12	8,798.13	1.99	4,417.257	
3,800.00	3,785.85	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,848.80	8,846.81	1.99	4,441.690	
3,900.00	3,885.43	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,898.33	8,896.34	1.99	4,466.555	
4,000.00	3,985.00	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,948.71	8,946.72	1.99	4,491.842	
4,100.00	4,084.58	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	8,999.92	8,997.93	1.99	4,517.546	
4,200.00	4,184.15	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,051.94	9,049.95	1.99	4,543.659	
4,300.00	4,283.72	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,104.77	9,102.77	1.99	4,570.174	
4,400.00	4,383.30	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,158.38	9,156.39	1.99	4,597.085	
4,500.00	4,482.87	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,212.76	9,210.77	1.99	4,624.383	
4,600.00	4,582.45	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,267.91	9,265.91	1.99	4,652.063	
4,700.00	4,682.02	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,323.80	9,321.81	1.99	4,680.118	
4,800.00	4,781.60	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,380.42	9,378.43	1.99	4,708.540	
4,900.00	4,881.17	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,437.77	9,435.77	1.99	4,737.324	
5,000.00	4,980.74	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,495.82	9,493.82	1.99	4,766.463	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 252H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,554.56	9,552.57	1.99	4,795.950	
5,200.00	5,179.89	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,613.99	9,611.99	1.99	4,825.779	
5,300.00	5,279.47	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,674.08	9,672.09	1.99	4,855.944	
5,400.00	5,379.04	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,734.83	9,732.84	1.99	4,886.438	
5,500.00	5,478.62	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,796.23	9,794.23	1.99	4,917.255	
5,600.00	5,578.19	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,858.25	9,856.26	1.99	4,948.390	
5,700.00	5,677.77	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,920.90	9,918.91	1.99	4,979.836	
5,800.00	5,777.34	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	9,984.16	9,982.16	1.99	5,011.587	
5,900.00	5,876.91	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,048.01	10,046.02	1.99	5,043.638	
6,000.00	5,976.49	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,112.45	10,110.45	1.99	5,075.983	
6,100.00	6,076.06	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,177.46	10,175.47	1.99	5,108.617	
6,200.00	6,175.64	100.00	146.94	0.00	2.00	165.59	1,910.45	7,526.10	10,243.04	10,241.04	1.99	5,141.533	
6,300.00	6,275.24	100.00	146.94	0.00	2.00	165.76	1,910.45	7,526.10	10,308.97	10,306.97	1.99	5,168.937	
6,400.00	6,375.04	100.00	146.94	0.00	2.00	166.17	1,910.45	7,526.10	10,373.36	10,371.36	2.00	5,190.819	
6,500.00	6,475.00	100.00	146.94	0.00	2.00	166.55	1,910.45	7,526.10	10,435.71	10,433.71	2.00	5,217.519	
6,600.00	6,575.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,496.73	10,494.73	2.00	5,247.840	
6,700.00	6,675.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,558.26	10,556.26	2.00	5,278.604	
6,800.00	6,775.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,620.38	10,618.38	2.00	5,309.661	
6,900.00	6,875.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,683.08	10,681.08	2.00	5,341.005	
7,000.00	6,975.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,746.34	10,744.34	2.00	5,372.632	
7,100.00	7,075.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,810.15	10,808.15	2.00	5,404.535	
7,200.00	7,175.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,874.51	10,872.51	2.00	5,436.712	
7,300.00	7,275.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	10,939.41	10,937.41	2.00	5,469.156	
7,400.00	7,375.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,004.83	11,002.83	2.00	5,501.863	
7,500.00	7,475.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,070.77	11,068.77	2.00	5,534.829	
7,600.00	7,575.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,137.21	11,135.21	2.00	5,568.048	
7,700.00	7,675.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,204.15	11,202.15	2.00	5,601.517	
7,800.00	7,775.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,271.59	11,269.59	2.00	5,635.230	
7,900.00	7,875.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,339.50	11,337.50	2.00	5,669.184	
8,000.00	7,975.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,407.89	11,405.89	2.00	5,703.373	
8,100.00	8,075.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,476.74	11,474.74	2.00	5,737.795	
8,200.00	8,175.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,546.04	11,544.04	2.00	5,772.445	
8,300.00	8,275.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,615.80	11,613.80	2.00	5,807.318	
8,400.00	8,375.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,685.99	11,683.99	2.00	5,842.410	
8,475.00	8,450.00	100.00	146.94	0.00	2.00	76.69	1,910.45	7,526.10	11,738.92	11,736.92	2.00	5,868.870	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	14.74	0.00	0.00	22.64	440.95	183.87	477.98				
100.00	100.00	85.26	100.00	0.00	1.71	22.64	440.95	183.87	477.75	476.04	1.71	280.135	
200.00	200.00	185.26	200.00	0.00	5.41	22.64	440.95	183.87	477.75	472.34	5.41	88.299	
300.00	300.00	285.26	300.00	0.00	9.41	22.64	440.95	183.87	477.75	468.34	9.41	50.767	CC
400.00	399.98	385.24	399.98	0.00	13.41	112.76	440.95	183.87	478.42	465.01	13.41	35.680	
500.00	499.84	485.10	499.84	0.00	17.40	113.30	440.95	183.87	480.47	463.08	17.40	27.617	
600.00	599.47	584.73	599.47	0.00	21.39	114.18	440.95	183.87	483.90	462.53	21.37	22.639	
700.00	699.05	684.31	699.05	0.00	25.37	115.16	440.95	183.87	487.76	462.41	25.35	19.239	ES
800.00	798.62	783.88	798.62	0.00	29.36	116.13	440.95	183.87	491.77	462.44	29.33	16.766	
900.00	898.20	883.46	898.20	0.00	33.34	117.09	440.95	183.87	495.91	462.60	33.31	14.888	
1,000.00	997.77	983.03	997.77	0.00	37.32	118.02	440.95	183.87	500.19	462.90	37.29	13.415	
1,100.00	1,097.35	1,082.61	1,097.35	0.00	41.30	118.94	440.95	183.87	504.60	463.33	41.26	12.229	
1,200.00	1,196.92	1,182.18	1,196.92	0.00	45.29	119.85	440.95	183.87	509.14	463.90	45.24	11.254	
1,300.00	1,296.49	1,281.75	1,296.49	0.00	49.27	120.74	440.95	183.87	513.80	464.59	49.22	10.440	
1,400.00	1,396.07	1,381.33	1,396.07	0.00	53.25	121.61	440.95	183.87	518.59	465.40	53.19	9.749	
1,500.00	1,495.64	1,480.90	1,495.64	0.00	57.24	122.47	440.95	183.87	523.49	466.33	57.17	9.157	
1,600.00	1,595.22	1,580.48	1,595.22	0.00	61.22	123.31	440.95	183.87	528.51	467.37	61.14	8.644	
1,700.00	1,694.79	1,680.05	1,694.79	0.00	65.20	124.13	440.95	183.87	533.64	468.53	65.11	8.195	
1,800.00	1,794.37	1,779.63	1,794.37	0.00	69.19	124.94	440.95	183.87	538.88	469.79	69.09	7.800	
1,900.00	1,893.94	1,879.20	1,893.94	0.00	73.17	125.73	440.95	183.87	544.23	471.17	73.06	7.449	
2,000.00	1,993.51	1,978.77	1,993.51	0.00	77.15	126.51	440.95	183.87	549.68	472.64	77.04	7.135	
2,100.00	2,093.09	2,078.35	2,093.09	0.00	81.13	127.27	440.95	183.87	555.23	474.22	81.01	6.854	
2,200.00	2,192.66	2,177.92	2,192.66	0.00	85.12	128.02	440.95	183.87	560.87	475.89	84.98	6.600	
2,300.00	2,292.24	2,277.50	2,292.24	0.00	89.10	128.75	440.95	183.87	566.61	477.66	88.95	6.370	
2,400.00	2,391.81	2,377.07	2,391.81	0.00	93.08	129.47	440.95	183.87	572.44	479.52	92.92	6.160	
2,500.00	2,491.39	2,476.65	2,491.39	0.00	97.07	130.17	440.95	183.87	578.36	481.46	96.89	5.969	
2,600.00	2,590.96	2,576.22	2,590.96	0.00	101.05	130.86	440.95	183.87	584.36	483.49	100.87	5.793	
2,700.00	2,690.53	2,675.79	2,690.53	0.00	105.03	131.54	440.95	183.87	590.45	485.61	104.84	5.632	
2,800.00	2,790.11	2,775.37	2,790.11	0.00	109.01	132.20	440.95	183.87	596.61	487.81	108.81	5.483	
2,900.00	2,889.68	2,874.94	2,889.68	0.00	113.00	132.85	440.95	183.87	602.86	490.08	112.78	5.346	
3,000.00	2,989.26	2,974.52	2,989.26	0.00	116.98	133.48	440.95	183.87	609.18	492.43	116.75	5.218	
3,100.00	3,088.83	3,074.09	3,088.83	0.00	120.96	134.10	440.95	183.87	615.57	494.85	120.71	5.099	
3,200.00	3,188.41	3,173.67	3,188.41	0.00	124.95	134.71	440.95	183.87	622.03	497.35	124.68	4.989	
3,300.00	3,287.98	3,273.24	3,287.98	0.00	128.93	135.31	440.95	183.87	628.56	499.91	128.65	4.886	
3,400.00	3,387.56	3,372.82	3,387.56	0.00	132.91	135.89	440.95	183.87	635.16	502.54	132.62	4.789	
3,500.00	3,487.13	3,472.39	3,487.13	0.00	136.90	136.46	440.95	183.87	641.83	505.24	136.59	4.699	
3,600.00	3,586.70	3,571.96	3,586.70	0.00	140.88	137.02	440.95	183.87	648.55	507.99	140.56	4.614	
3,700.00	3,686.28	3,671.54	3,686.28	0.00	144.86	137.57	440.95	183.87	655.34	510.81	144.53	4.534	
3,800.00	3,785.85	3,771.11	3,785.85	0.00	148.84	138.11	440.95	183.87	662.18	513.69	148.49	4.459	
3,900.00	3,885.43	3,870.69	3,885.43	0.00	152.83	138.63	440.95	183.87	669.08	516.62	152.46	4.389	
4,000.00	3,985.00	3,970.26	3,985.00	0.00	156.81	139.15	440.95	183.87	676.04	519.61	156.43	4.322	
4,100.00	4,084.58	4,069.84	4,084.58	0.00	160.79	139.65	440.95	183.87	683.05	522.66	160.40	4.259	
4,200.00	4,184.15	4,169.41	4,184.15	0.00	164.78	140.15	440.95	183.87	690.12	525.75	164.36	4.199	
4,300.00	4,283.72	4,268.98	4,283.72	0.00	168.76	140.63	440.95	183.87	697.23	528.90	168.33	4.142	
4,400.00	4,383.30	4,368.56	4,383.30	0.00	172.74	141.11	440.95	183.87	704.39	532.09	172.30	4.088	
4,500.00	4,482.87	4,468.13	4,482.87	0.00	176.73	141.57	440.95	183.87	711.60	535.33	176.26	4.037	
4,600.00	4,582.45	4,567.71	4,582.45	0.00	180.71	142.03	440.95	183.87	718.85	538.62	180.23	3.989	
4,700.00	4,682.02	4,667.28	4,682.02	0.00	184.69	142.47	440.95	183.87	726.15	541.96	184.20	3.942	
4,800.00	4,781.60	4,766.86	4,781.60	0.00	188.67	142.91	440.95	183.87	733.50	545.33	188.16	3.898	
4,900.00	4,881.17	4,866.43	4,881.17	0.00	192.66	143.34	440.95	183.87	740.88	548.75	192.13	3.856	
5,000.00	4,980.74	4,966.00	4,980.74	0.00	196.64	143.76	440.95	183.87	748.30	552.21	196.10	3.816	
5,100.00	5,080.32	5,065.58	5,080.32	0.00	200.62	144.17	440.95	183.87	755.77	555.71	200.06	3.778	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,165.15	5,179.89	0.00	204.61	144.58	440.95	183.87	763.27	559.24	204.03	3.741	
5,300.00	5,279.47	5,264.73	5,279.47	0.00	208.59	144.98	440.95	183.87	770.81	562.82	207.99	3.706	
5,400.00	5,379.04	5,364.30	5,379.04	0.00	212.57	145.36	440.95	183.87	778.39	566.43	211.96	3.672	
5,500.00	5,478.62	5,463.88	5,478.62	0.00	216.56	145.75	440.95	183.87	786.00	570.07	215.93	3.640	
5,600.00	5,578.19	5,563.45	5,578.19	0.00	220.54	146.12	440.95	183.87	793.64	573.75	219.89	3.609	
5,700.00	5,677.77	5,663.03	5,677.77	0.00	224.52	146.49	440.95	183.87	801.32	577.47	223.86	3.580	
5,800.00	5,777.34	5,762.60	5,777.34	0.00	228.50	146.85	440.95	183.87	809.03	581.21	227.82	3.551	
5,900.00	5,876.91	5,862.17	5,876.91	0.00	232.49	147.20	440.95	183.87	816.78	584.99	231.79	3.524	
6,000.00	5,976.49	5,961.75	5,976.49	0.00	236.47	147.55	440.95	183.87	824.55	588.79	235.75	3.497	
6,100.00	6,076.06	6,061.32	6,076.06	0.00	240.45	147.89	440.95	183.87	832.35	592.63	239.72	3.472	
6,200.00	6,175.64	6,160.90	6,175.64	0.00	244.44	148.22	440.95	183.87	840.18	596.49	243.68	3.448	
6,300.00	6,275.24	6,260.50	6,275.24	0.00	248.42	148.57	440.95	183.87	847.81	599.94	247.86	3.420	
6,400.00	6,375.04	6,360.30	6,375.04	0.00	252.41	148.84	440.95	183.87	853.02	600.79	252.24	3.382	
6,500.00	6,475.00	6,460.26	6,475.00	0.00	256.41	148.95	440.95	183.87	855.27	598.86	256.40	3.336	
6,600.00	6,575.00	6,560.26	6,575.00	0.00	260.41	59.01	440.95	183.87	855.36	594.95	260.41	3.285	
6,700.00	6,675.00	6,660.26	6,675.00	0.00	264.41	59.01	440.95	183.87	855.36	590.95	264.41	3.235	
6,800.00	6,775.00	6,760.26	6,775.00	0.00	268.41	59.01	440.95	183.87	855.36	586.95	268.41	3.187	
6,900.00	6,875.00	6,860.26	6,875.00	0.00	272.41	59.01	440.95	183.87	855.36	582.95	272.41	3.140	
7,000.00	6,975.00	6,960.26	6,975.00	0.00	276.41	59.01	440.95	183.87	855.36	578.95	276.41	3.095	
7,100.00	7,075.00	7,060.26	7,075.00	0.00	280.41	59.01	440.95	183.87	855.36	574.95	280.41	3.050	
7,200.00	7,175.00	7,160.26	7,175.00	0.00	284.41	59.01	440.95	183.87	855.36	570.95	284.41	3.007	
7,300.00	7,275.00	7,260.26	7,275.00	0.00	288.41	59.01	440.95	183.87	855.36	566.95	288.41	2.966	
7,400.00	7,375.00	7,360.26	7,375.00	0.00	292.41	59.01	440.95	183.87	855.36	562.95	292.41	2.925	
7,500.00	7,475.00	7,460.26	7,475.00	0.00	296.41	59.01	440.95	183.87	855.36	558.95	296.41	2.886	
7,600.00	7,575.00	7,560.26	7,575.00	0.00	300.41	59.01	440.95	183.87	855.36	554.95	300.41	2.847	
7,700.00	7,675.00	7,660.26	7,675.00	0.00	304.41	59.01	440.95	183.87	855.36	550.95	304.41	2.810	
7,800.00	7,775.00	7,760.26	7,775.00	0.00	308.41	59.01	440.95	183.87	855.36	546.95	308.41	2.773	
7,900.00	7,875.00	7,860.26	7,875.00	0.00	312.41	59.01	440.95	183.87	855.36	542.95	312.41	2.738	
8,000.00	7,975.00	7,960.26	7,975.00	0.00	316.41	59.01	440.95	183.87	855.36	538.95	316.41	2.703	
8,100.00	8,075.00	8,060.26	8,075.00	0.00	320.41	59.01	440.95	183.87	855.36	534.95	320.41	2.670	
8,200.00	8,175.00	8,160.26	8,175.00	0.00	324.41	59.01	440.95	183.87	855.36	530.95	324.41	2.637	SF
8,300.00	8,275.00	8,184.00	8,198.74	0.00	325.36	59.01	440.95	183.87	858.75	533.39	325.36	2.639	
8,400.00	8,375.00	8,184.00	8,198.74	0.00	325.36	59.01	440.95	183.87	873.33	547.97	325.36	2.684	
8,475.00	8,450.00	8,184.00	8,198.74	0.00	325.36	59.01	440.95	183.87	891.50	566.14	325.36	2.740	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	44.31	0.00	0.00	178.14	-2,271.83	73.60	2,273.45				
100.00	100.00	55.69	100.00	0.00	1.11	178.14	-2,271.83	73.60	2,273.02	2,271.91	1.11	2,040.252	
200.00	200.00	155.69	200.00	0.00	4.23	178.14	-2,271.83	73.60	2,273.02	2,268.79	4.23	537.637	
300.00	300.00	255.69	300.00	0.00	8.23	178.14	-2,271.83	73.60	2,273.02	2,264.79	8.23	276.261	CC
400.00	399.98	355.67	399.98	0.00	12.23	-91.95	-2,271.83	73.60	2,273.08	2,260.85	12.23	185.907	
500.00	499.84	455.53	499.84	0.00	16.22	-92.08	-2,271.83	73.60	2,273.27	2,257.04	16.22	140.141	
600.00	599.47	555.16	599.47	0.00	20.21	-92.29	-2,271.83	73.60	2,273.59	2,253.38	20.21	112.517	
700.00	699.05	654.74	699.05	0.00	24.19	-92.52	-2,271.83	73.60	2,273.98	2,249.79	24.19	94.007	
800.00	798.62	754.31	798.62	0.00	28.17	-92.75	-2,271.83	73.60	2,274.41	2,246.23	28.17	80.732	
900.00	898.20	853.89	898.20	0.00	32.16	-92.98	-2,271.83	73.60	2,274.87	2,242.71	32.16	70.746	
1,000.00	997.77	953.46	997.77	0.00	36.14	-93.21	-2,271.83	73.60	2,275.37	2,239.23	36.14	62.963	
1,100.00	1,097.35	1,053.04	1,097.35	0.00	40.12	-93.45	-2,271.83	73.60	2,275.91	2,235.79	40.12	56.726	
1,200.00	1,196.92	1,152.61	1,196.92	0.00	44.10	-93.68	-2,271.83	73.60	2,276.48	2,232.38	44.10	51.616	
1,300.00	1,296.49	1,252.18	1,296.49	0.00	48.09	-93.91	-2,271.83	73.60	2,277.09	2,229.01	48.09	47.354	
1,400.00	1,396.07	1,351.76	1,396.07	0.00	52.07	-94.14	-2,271.83	73.60	2,277.74	2,225.67	52.07	43.744	
1,500.00	1,495.64	1,451.33	1,495.64	0.00	56.05	-94.37	-2,271.83	73.60	2,278.43	2,222.38	56.05	40.648	
1,600.00	1,595.22	1,550.91	1,595.22	0.00	60.04	-94.60	-2,271.83	73.60	2,279.15	2,219.12	60.03	37.964	
1,700.00	1,694.79	1,650.48	1,694.79	0.00	64.02	-94.83	-2,271.83	73.60	2,279.91	2,215.89	64.02	35.614	
1,800.00	1,794.37	1,750.06	1,794.37	0.00	68.00	-95.06	-2,271.83	73.60	2,280.71	2,212.71	68.00	33.540	
1,900.00	1,893.94	1,849.63	1,893.94	0.00	71.99	-95.29	-2,271.83	73.60	2,281.54	2,209.56	71.98	31.696	
2,000.00	1,993.51	1,949.20	1,993.51	0.00	75.97	-95.52	-2,271.83	73.60	2,282.41	2,206.45	75.97	30.045	
2,100.00	2,093.09	2,048.78	2,093.09	0.00	79.95	-95.74	-2,271.83	73.60	2,283.32	2,203.37	79.95	28.560	
2,200.00	2,192.66	2,148.35	2,192.66	0.00	83.93	-95.97	-2,271.83	73.60	2,284.27	2,200.34	83.93	27.216	
2,300.00	2,292.24	2,247.93	2,292.24	0.00	87.92	-96.20	-2,271.83	73.60	2,285.25	2,197.34	87.91	25.994	
2,400.00	2,391.81	2,347.50	2,391.81	0.00	91.90	-96.43	-2,271.83	73.60	2,286.27	2,194.37	91.90	24.879	
2,500.00	2,491.39	2,447.08	2,491.39	0.00	95.88	-96.66	-2,271.83	73.60	2,287.32	2,191.44	95.88	23.857	
2,600.00	2,590.96	2,546.65	2,590.96	0.00	99.87	-96.89	-2,271.83	73.60	2,288.41	2,188.55	99.86	22.916	
2,700.00	2,690.53	2,646.22	2,690.53	0.00	103.85	-97.12	-2,271.83	73.60	2,289.54	2,185.70	103.84	22.048	
2,800.00	2,790.11	2,745.80	2,790.11	0.00	107.83	-97.34	-2,271.83	73.60	2,290.71	2,182.88	107.82	21.245	
2,900.00	2,889.68	2,845.37	2,889.68	0.00	111.81	-97.57	-2,271.83	73.60	2,291.91	2,180.10	111.81	20.499	
3,000.00	2,989.26	2,944.95	2,989.26	0.00	115.80	-97.80	-2,271.83	73.60	2,293.15	2,177.36	115.79	19.805	
3,100.00	3,088.83	3,044.52	3,088.83	0.00	119.78	-98.03	-2,271.83	73.60	2,294.42	2,174.65	119.77	19.157	
3,200.00	3,188.41	3,144.10	3,188.41	0.00	123.76	-98.25	-2,271.83	73.60	2,295.73	2,171.98	123.75	18.551	
3,300.00	3,287.98	3,243.67	3,287.98	0.00	127.75	-98.48	-2,271.83	73.60	2,297.08	2,169.34	127.74	17.983	
3,400.00	3,387.56	3,343.25	3,387.56	0.00	131.73	-98.71	-2,271.83	73.60	2,298.46	2,166.74	131.72	17.450	
3,500.00	3,487.13	3,442.82	3,487.13	0.00	135.71	-98.93	-2,271.83	73.60	2,299.88	2,164.18	135.70	16.948	
3,600.00	3,586.70	3,542.39	3,586.70	0.00	139.70	-99.16	-2,271.83	73.60	2,301.33	2,161.65	139.68	16.476	
3,700.00	3,686.28	3,641.97	3,686.28	0.00	143.68	-99.38	-2,271.83	73.60	2,302.82	2,159.16	143.66	16.029	
3,800.00	3,785.85	3,741.54	3,785.85	0.00	147.66	-99.61	-2,271.83	73.60	2,304.35	2,156.71	147.64	15.607	
3,900.00	3,885.43	3,841.12	3,885.43	0.00	151.64	-99.83	-2,271.83	73.60	2,305.91	2,154.29	151.63	15.208	
4,000.00	3,985.00	3,940.69	3,985.00	0.00	155.63	-100.06	-2,271.83	73.60	2,307.51	2,151.90	155.61	14.829	
4,100.00	4,084.58	4,040.27	4,084.58	0.00	159.61	-100.28	-2,271.83	73.60	2,309.15	2,149.56	159.59	14.469	
4,200.00	4,184.15	4,139.84	4,184.15	0.00	163.59	-100.51	-2,271.83	73.60	2,310.82	2,147.25	163.57	14.127	
4,300.00	4,283.72	4,239.41	4,283.72	0.00	167.58	-100.73	-2,271.83	73.60	2,312.52	2,144.97	167.55	13.802	
4,400.00	4,383.30	4,338.99	4,383.30	0.00	171.56	-100.95	-2,271.83	73.60	2,314.26	2,142.73	171.53	13.492	
4,500.00	4,482.87	4,438.56	4,482.87	0.00	175.54	-101.18	-2,271.83	73.60	2,316.04	2,140.52	175.51	13.196	
4,600.00	4,582.45	4,538.14	4,582.45	0.00	179.53	-101.40	-2,271.83	73.60	2,317.85	2,138.35	179.50	12.913	
4,700.00	4,682.02	4,637.71	4,682.02	0.00	183.51	-101.62	-2,271.83	73.60	2,319.70	2,136.22	183.48	12.643	
4,800.00	4,781.60	4,737.29	4,781.60	0.00	187.49	-101.84	-2,271.83	73.60	2,321.58	2,134.12	187.46	12.385	
4,900.00	4,881.17	4,836.86	4,881.17	0.00	191.47	-102.06	-2,271.83	73.60	2,323.49	2,132.06	191.44	12.137	
5,000.00	4,980.74	4,936.43	4,980.74	0.00	195.46	-102.28	-2,271.83	73.60	2,325.45	2,130.03	195.42	11.900	
5,100.00	5,080.32	5,036.01	5,080.32	0.00	199.44	-102.51	-2,271.83	73.60	2,327.43	2,128.03	199.40	11.672	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 311M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,135.58	5,179.89	0.00	203.42	-102.73	-2,271.83	73.60	2,329.45	2,126.07	203.38	11.454	
5,300.00	5,279.47	5,235.16	5,279.47	0.00	207.41	-102.95	-2,271.83	73.60	2,331.51	2,124.15	207.36	11.244	
5,400.00	5,379.04	5,334.73	5,379.04	0.00	211.39	-103.17	-2,271.83	73.60	2,333.60	2,122.26	211.34	11.042	
5,500.00	5,478.62	5,434.31	5,478.62	0.00	215.37	-103.38	-2,271.83	73.60	2,335.72	2,120.40	215.32	10.848	
5,600.00	5,578.19	5,533.88	5,578.19	0.00	219.36	-103.60	-2,271.83	73.60	2,337.88	2,118.58	219.30	10.660	
5,700.00	5,677.77	5,633.46	5,677.77	0.00	223.34	-103.82	-2,271.83	73.60	2,340.08	2,116.79	223.28	10.480	
5,800.00	5,777.34	5,733.03	5,777.34	0.00	227.32	-104.04	-2,271.83	73.60	2,342.31	2,115.04	227.26	10.307	
5,900.00	5,876.91	5,832.60	5,876.91	0.00	231.30	-104.26	-2,271.83	73.60	2,344.57	2,113.32	231.24	10.139	
6,000.00	5,976.49	5,932.18	5,976.49	0.00	235.29	-104.48	-2,271.83	73.60	2,346.86	2,111.64	235.22	9.977	
6,100.00	6,076.06	6,031.75	6,076.06	0.00	239.27	-104.69	-2,271.83	73.60	2,349.19	2,109.99	239.20	9.821	
6,200.00	6,175.64	6,131.33	6,175.64	0.00	243.25	-104.91	-2,271.83	73.60	2,351.56	2,108.37	243.18	9.670	
6,300.00	6,275.24	6,230.93	6,275.24	0.00	247.24	-105.13	-2,271.83	73.60	2,353.88	2,106.70	247.19	9.523	
6,400.00	6,375.04	6,330.73	6,375.04	0.00	251.23	-105.31	-2,271.83	73.60	2,355.49	2,104.28	251.21	9.376	
6,500.00	6,475.00	6,430.69	6,475.00	0.00	255.23	-105.38	-2,271.83	73.60	2,356.18	2,100.96	255.23	9.232	
6,600.00	6,575.00	6,530.69	6,575.00	0.00	259.23	164.67	-2,271.83	73.60	2,356.21	2,096.98	259.23	9.089	
6,700.00	6,675.00	6,630.69	6,675.00	0.00	263.23	164.67	-2,271.83	73.60	2,356.21	2,092.98	263.23	8.951	
6,800.00	6,775.00	6,730.69	6,775.00	0.00	267.23	164.67	-2,271.83	73.60	2,356.21	2,088.98	267.23	8.817	
6,900.00	6,875.00	6,830.69	6,875.00	0.00	271.23	164.67	-2,271.83	73.60	2,356.21	2,084.98	271.23	8.687	
7,000.00	6,975.00	6,930.69	6,975.00	0.00	275.23	164.67	-2,271.83	73.60	2,356.21	2,080.98	275.23	8.561	
7,100.00	7,075.00	7,030.69	7,075.00	0.00	279.23	164.67	-2,271.83	73.60	2,356.21	2,076.98	279.23	8.438	
7,200.00	7,175.00	7,130.69	7,175.00	0.00	283.23	164.67	-2,271.83	73.60	2,356.21	2,072.98	283.23	8.319	
7,300.00	7,275.00	7,230.69	7,275.00	0.00	287.23	164.67	-2,271.83	73.60	2,356.21	2,068.98	287.23	8.203	
7,400.00	7,375.00	7,330.69	7,375.00	0.00	291.23	164.67	-2,271.83	73.60	2,356.21	2,064.98	291.23	8.091	
7,500.00	7,475.00	7,430.69	7,475.00	0.00	295.23	164.67	-2,271.83	73.60	2,356.21	2,060.98	295.23	7.981	
7,600.00	7,575.00	7,530.69	7,575.00	0.00	299.23	164.67	-2,271.83	73.60	2,356.21	2,056.98	299.23	7.874	
7,700.00	7,675.00	7,630.69	7,675.00	0.00	303.23	164.67	-2,271.83	73.60	2,356.21	2,052.98	303.23	7.770	
7,800.00	7,775.00	7,730.69	7,775.00	0.00	307.23	164.67	-2,271.83	73.60	2,356.21	2,048.98	307.23	7.669	
7,900.00	7,875.00	7,830.69	7,875.00	0.00	311.23	164.67	-2,271.83	73.60	2,356.21	2,044.98	311.23	7.571	
8,000.00	7,975.00	7,930.69	7,975.00	0.00	315.23	164.67	-2,271.83	73.60	2,356.21	2,040.98	315.23	7.475	
8,100.00	8,075.00	8,030.69	8,075.00	0.00	319.23	164.67	-2,271.83	73.60	2,356.21	2,036.98	319.23	7.381	
8,132.39	8,107.40	8,063.09	8,107.40	0.00	320.52	164.67	-2,271.83	73.60	2,356.21	2,035.69	320.52	7.351	
8,200.00	8,175.00	8,080.00	8,124.31	0.00	321.20	164.67	-2,271.83	73.60	2,356.76	2,035.56	321.20	7.337	ES, SF
8,300.00	8,275.00	8,080.00	8,124.31	0.00	321.20	164.67	-2,271.83	73.60	2,361.03	2,039.83	321.20	7.351	
8,400.00	8,375.00	8,080.00	8,124.31	0.00	321.20	164.67	-2,271.83	73.60	2,369.51	2,048.31	321.20	7.377	
8,475.00	8,450.00	8,080.00	8,124.31	0.00	321.20	164.67	-2,271.83	73.60	2,378.62	2,057.42	321.20	7.405	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.97	0.00	0.00	0.06	50.69	2,898.93	3,540.44	4,575.86				
100.00	100.00	102.97	100.00	0.00	2.12	50.69	2,898.93	3,540.44	4,575.86	4,573.74	2.12	2,159.444	
200.00	200.00	202.97	200.00	0.00	6.12	50.69	2,898.93	3,540.44	4,575.86	4,569.74	6.12	747.812	
300.00	300.00	302.97	300.00	0.00	10.12	50.69	2,898.93	3,540.44	4,575.86	4,565.74	10.12	452.205	CC
400.00	399.98	402.95	399.98	0.00	14.12	140.63	2,898.93	3,540.44	4,577.21	4,563.10	14.11	324.325	ES
500.00	499.84	502.81	499.84	0.00	18.11	140.62	2,898.93	3,540.44	4,581.26	4,563.17	18.09	253.302	
600.00	599.47	602.44	599.47	0.00	22.10	140.64	2,898.93	3,540.44	4,587.84	4,565.79	22.04	208.143	
700.00	699.05	702.02	699.05	0.00	26.08	140.71	2,898.93	3,540.44	4,594.98	4,568.96	26.01	176.632	
800.00	798.62	801.59	798.62	0.00	30.06	140.78	2,898.93	3,540.44	4,602.13	4,572.14	29.99	153.470	
900.00	898.20	901.17	898.20	0.00	34.05	140.85	2,898.93	3,540.44	4,609.28	4,575.32	33.96	135.728	
1,000.00	997.77	1,000.74	997.77	0.00	38.03	140.93	2,898.93	3,540.44	4,616.45	4,578.51	37.93	121.702	
1,100.00	1,097.35	1,100.32	1,097.35	0.00	42.01	141.00	2,898.93	3,540.44	4,623.62	4,581.71	41.90	110.336	
1,200.00	1,196.92	1,199.89	1,196.92	0.00	46.00	141.07	2,898.93	3,540.44	4,630.80	4,584.92	45.88	100.938	
1,300.00	1,296.49	1,299.46	1,296.49	0.00	49.98	141.14	2,898.93	3,540.44	4,637.98	4,588.13	49.85	93.039	
1,400.00	1,396.07	1,399.04	1,396.07	0.00	53.96	141.21	2,898.93	3,540.44	4,645.17	4,591.35	53.82	86.306	
1,500.00	1,495.64	1,498.61	1,495.64	0.00	57.94	141.28	2,898.93	3,540.44	4,652.37	4,594.58	57.79	80.498	
1,600.00	1,595.22	1,598.19	1,595.22	0.00	61.93	141.35	2,898.93	3,540.44	4,659.58	4,597.81	61.77	75.438	
1,700.00	1,694.79	1,697.76	1,694.79	0.00	65.91	141.42	2,898.93	3,540.44	4,666.79	4,601.06	65.74	70.989	
1,800.00	1,794.37	1,797.34	1,794.37	0.00	69.89	141.50	2,898.93	3,540.44	4,674.02	4,604.30	69.71	67.048	
1,900.00	1,893.94	1,896.91	1,893.94	0.00	73.88	141.57	2,898.93	3,540.44	4,681.24	4,607.56	73.68	63.532	
2,000.00	1,993.51	1,996.48	1,993.51	0.00	77.86	141.64	2,898.93	3,540.44	4,688.48	4,610.82	77.66	60.375	
2,100.00	2,093.09	2,096.06	2,093.09	0.00	81.84	141.70	2,898.93	3,540.44	4,695.72	4,614.09	81.63	57.526	
2,200.00	2,192.66	2,195.63	2,192.66	0.00	85.83	141.77	2,898.93	3,540.44	4,702.97	4,617.37	85.60	54.941	
2,300.00	2,292.24	2,295.21	2,292.24	0.00	89.81	141.84	2,898.93	3,540.44	4,710.23	4,620.65	89.57	52.586	
2,400.00	2,391.81	2,394.78	2,391.81	0.00	93.79	141.91	2,898.93	3,540.44	4,717.49	4,623.94	93.54	50.430	
2,500.00	2,491.39	2,494.36	2,491.39	0.00	97.77	141.98	2,898.93	3,540.44	4,724.76	4,627.24	97.52	48.451	
2,600.00	2,590.96	2,593.93	2,590.96	0.00	101.76	142.05	2,898.93	3,540.44	4,732.03	4,630.55	101.49	46.626	
2,700.00	2,690.53	2,693.50	2,690.53	0.00	105.74	142.12	2,898.93	3,540.44	4,739.32	4,633.86	105.46	44.939	
2,800.00	2,790.11	2,793.08	2,790.11	0.00	109.72	142.19	2,898.93	3,540.44	4,746.61	4,637.17	109.43	43.375	
2,900.00	2,889.68	2,892.65	2,889.68	0.00	113.71	142.25	2,898.93	3,540.44	4,753.90	4,640.50	113.40	41.920	
3,000.00	2,989.26	2,992.23	2,989.26	0.00	117.69	142.32	2,898.93	3,540.44	4,761.21	4,643.83	117.38	40.564	
3,100.00	3,088.83	3,091.80	3,088.83	0.00	121.67	142.39	2,898.93	3,540.44	4,768.52	4,647.17	121.35	39.296	
3,200.00	3,188.41	3,191.38	3,188.41	0.00	125.66	142.46	2,898.93	3,540.44	4,775.83	4,650.51	125.32	38.109	
3,300.00	3,287.98	3,290.95	3,287.98	0.00	129.64	142.52	2,898.93	3,540.44	4,783.15	4,653.86	129.29	36.995	
3,400.00	3,387.56	3,390.53	3,387.56	0.00	133.62	142.59	2,898.93	3,540.44	4,790.48	4,657.22	133.26	35.948	
3,500.00	3,487.13	3,490.10	3,487.13	0.00	137.60	142.66	2,898.93	3,540.44	4,797.82	4,660.59	137.23	34.961	
3,600.00	3,586.70	3,589.67	3,586.70	0.00	141.59	142.72	2,898.93	3,540.44	4,805.16	4,663.96	141.21	34.029	
3,700.00	3,686.28	3,689.25	3,686.28	0.00	145.57	142.79	2,898.93	3,540.44	4,812.51	4,667.33	145.18	33.149	
3,800.00	3,785.85	3,788.82	3,785.85	0.00	149.55	142.86	2,898.93	3,540.44	4,819.87	4,670.72	149.15	32.316	
3,900.00	3,885.43	3,888.40	3,885.43	0.00	153.54	142.92	2,898.93	3,540.44	4,827.23	4,674.11	153.12	31.526	
4,000.00	3,985.00	3,987.97	3,985.00	0.00	157.52	142.99	2,898.93	3,540.44	4,834.60	4,677.50	157.09	30.776	
4,100.00	4,084.58	4,087.55	4,084.58	0.00	161.50	143.05	2,898.93	3,540.44	4,841.97	4,680.91	161.06	30.063	
4,200.00	4,184.15	4,187.12	4,184.15	0.00	165.48	143.12	2,898.93	3,540.44	4,849.35	4,684.32	165.03	29.384	
4,300.00	4,283.72	4,286.69	4,283.72	0.00	169.47	143.19	2,898.93	3,540.44	4,856.74	4,687.73	169.01	28.737	
4,400.00	4,383.30	4,386.27	4,383.30	0.00	173.45	143.25	2,898.93	3,540.44	4,864.13	4,691.15	172.98	28.120	
4,500.00	4,482.87	4,485.84	4,482.87	0.00	177.43	143.31	2,898.93	3,540.44	4,871.53	4,694.58	176.95	27.531	
4,600.00	4,582.45	4,585.42	4,582.45	0.00	181.42	143.38	2,898.93	3,540.44	4,878.94	4,698.02	180.92	26.967	
4,700.00	4,682.02	4,684.99	4,682.02	0.00	185.40	143.44	2,898.93	3,540.44	4,886.35	4,701.46	184.89	26.428	
4,800.00	4,781.60	4,784.57	4,781.60	0.00	189.38	143.51	2,898.93	3,540.44	4,893.76	4,704.90	188.86	25.912	
4,900.00	4,881.17	4,884.14	4,881.17	0.00	193.37	143.57	2,898.93	3,540.44	4,901.19	4,708.36	192.83	25.417	
5,000.00	4,980.74	4,983.71	4,980.74	0.00	197.35	143.64	2,898.93	3,540.44	4,908.62	4,711.81	196.80	24.942	
5,100.00	5,080.32	5,083.29	5,080.32	0.00	201.33	143.70	2,898.93	3,540.44	4,916.05	4,715.28	200.78	24.485	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 318M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,182.86	5,179.89	0.00	205.31	143.76	2,898.93	3,540.44	4,923.50	4,718.75	204.75	24.047	
5,300.00	5,279.47	5,282.44	5,279.47	0.00	209.30	143.83	2,898.93	3,540.44	4,930.95	4,722.23	208.72	23.625	
5,400.00	5,379.04	5,382.01	5,379.04	0.00	213.28	143.89	2,898.93	3,540.44	4,938.40	4,725.71	212.69	23.219	
5,500.00	5,478.62	5,481.59	5,478.62	0.00	217.26	143.95	2,898.93	3,540.44	4,945.86	4,729.20	216.66	22.828	
5,600.00	5,578.19	5,581.16	5,578.19	0.00	221.25	144.01	2,898.93	3,540.44	4,953.32	4,732.69	220.63	22.451	
5,700.00	5,677.77	5,680.74	5,677.77	0.00	225.23	144.08	2,898.93	3,540.44	4,960.80	4,736.20	224.60	22.087	
5,800.00	5,777.34	5,780.31	5,777.34	0.00	229.21	144.14	2,898.93	3,540.44	4,968.27	4,739.70	228.57	21.736	
5,900.00	5,876.91	5,879.88	5,876.91	0.00	233.20	144.20	2,898.93	3,540.44	4,975.76	4,743.21	232.54	21.397	
6,000.00	5,976.49	5,979.46	5,976.49	0.00	237.18	144.26	2,898.93	3,540.44	4,983.25	4,746.73	236.51	21.070	
6,100.00	6,076.06	6,079.03	6,076.06	0.00	241.16	144.32	2,898.93	3,540.44	4,990.74	4,750.26	240.48	20.753	
6,200.00	6,175.64	6,178.61	6,175.64	0.00	245.14	144.39	2,898.93	3,540.44	4,998.24	4,753.79	244.46	20.446	
6,300.00	6,275.24	6,278.21	6,275.24	0.00	249.13	144.48	2,898.93	3,540.44	5,005.53	4,756.91	248.62	20.133	
6,400.00	6,375.04	6,378.01	6,375.04	0.00	253.12	144.58	2,898.93	3,540.44	5,010.50	4,757.54	252.96	19.807	
6,500.00	6,475.00	6,477.97	6,475.00	0.00	257.12	144.62	2,898.93	3,540.44	5,012.64	4,755.53	257.11	19.496	
6,600.00	6,575.00	6,577.97	6,575.00	0.00	261.12	54.68	2,898.93	3,540.44	5,012.73	4,751.61	261.12	19.197	
6,700.00	6,675.00	6,677.97	6,675.00	0.00	265.12	54.68	2,898.93	3,540.44	5,012.73	4,747.61	265.12	18.907	
6,800.00	6,775.00	6,777.97	6,775.00	0.00	269.12	54.68	2,898.93	3,540.44	5,012.73	4,743.61	269.12	18.626	
6,900.00	6,875.00	6,877.97	6,875.00	0.00	273.12	54.68	2,898.93	3,540.44	5,012.73	4,739.61	273.12	18.354	
7,000.00	6,975.00	6,977.97	6,975.00	0.00	277.12	54.68	2,898.93	3,540.44	5,012.73	4,735.61	277.12	18.089	
7,100.00	7,075.00	7,077.97	7,075.00	0.00	281.12	54.68	2,898.93	3,540.44	5,012.73	4,731.61	281.12	17.831	
7,200.00	7,175.00	7,177.97	7,175.00	0.00	285.12	54.68	2,898.93	3,540.44	5,012.73	4,727.61	285.12	17.581	
7,300.00	7,275.00	7,277.97	7,275.00	0.00	289.12	54.68	2,898.93	3,540.44	5,012.73	4,723.61	289.12	17.338	
7,400.00	7,375.00	7,377.97	7,375.00	0.00	293.12	54.68	2,898.93	3,540.44	5,012.73	4,719.61	293.12	17.101	
7,500.00	7,475.00	7,477.97	7,475.00	0.00	297.12	54.68	2,898.93	3,540.44	5,012.73	4,715.61	297.12	16.871	
7,600.00	7,575.00	7,577.97	7,575.00	0.00	301.12	54.68	2,898.93	3,540.44	5,012.73	4,711.61	301.12	16.647	
7,700.00	7,675.00	7,677.97	7,675.00	0.00	305.12	54.68	2,898.93	3,540.44	5,012.73	4,707.61	305.12	16.429	
7,800.00	7,775.00	7,777.97	7,775.00	0.00	309.12	54.68	2,898.93	3,540.44	5,012.73	4,703.61	309.12	16.216	
7,900.00	7,875.00	7,877.97	7,875.00	0.00	313.12	54.68	2,898.93	3,540.44	5,012.73	4,699.61	313.12	16.009	
8,000.00	7,975.00	7,977.97	7,975.00	0.00	317.12	54.68	2,898.93	3,540.44	5,012.73	4,695.61	317.12	15.807	
8,100.00	8,075.00	8,077.97	8,075.00	0.00	321.12	54.68	2,898.93	3,540.44	5,012.73	4,691.61	321.12	15.610	
8,135.93	8,110.93	8,113.90	8,110.93	0.00	322.56	54.68	2,898.93	3,540.44	5,012.73	4,690.17	322.56	15.541	
8,200.00	8,175.00	8,130.00	8,127.03	0.00	323.20	54.68	2,898.93	3,540.44	5,012.96	4,689.76	323.20	15.510	SF
8,300.00	8,275.00	8,130.00	8,127.03	0.00	323.20	54.68	2,898.93	3,540.44	5,014.91	4,691.71	323.20	15.516	
8,400.00	8,375.00	8,130.00	8,127.03	0.00	323.20	54.68	2,898.93	3,540.44	5,018.86	4,695.66	323.20	15.529	
8,475.00	8,450.00	8,130.00	8,127.03	0.00	323.20	54.68	2,898.93	3,540.44	5,023.12	4,699.92	323.20	15.542	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	11.42	0.00	0.00	63.91	3,104.06	6,340.06	7,059.16				
100.00	100.00	88.58	100.00	0.00	1.77	63.91	3,104.06	6,340.06	7,059.15	7,057.37	1.77	3,984.115	
200.00	200.00	188.58	200.00	0.00	5.54	63.91	3,104.06	6,340.06	7,059.15	7,053.60	5.54	1,273.433	
300.00	300.00	288.58	300.00	0.00	9.54	63.91	3,104.06	6,340.06	7,059.15	7,049.60	9.54	739.689	CC
400.00	399.98	388.56	399.98	0.00	13.54	153.85	3,104.06	6,340.06	7,060.71	7,047.18	13.54	521.627	ES
500.00	499.84	488.42	499.84	0.00	17.54	153.83	3,104.06	6,340.06	7,065.41	7,047.91	17.50	403.680	
600.00	599.47	588.05	599.47	0.00	21.52	153.82	3,104.06	6,340.06	7,073.04	7,051.59	21.45	329.767	
700.00	699.05	687.63	699.05	0.00	25.51	153.85	3,104.06	6,340.06	7,081.32	7,055.90	25.42	278.596	
800.00	798.62	787.20	798.62	0.00	29.49	153.88	3,104.06	6,340.06	7,089.60	7,060.21	29.39	241.249	
900.00	898.20	886.78	898.20	0.00	33.47	153.92	3,104.06	6,340.06	7,097.88	7,064.53	33.36	212.789	
1,000.00	997.77	986.35	997.77	0.00	37.45	153.95	3,104.06	6,340.06	7,106.17	7,068.85	37.33	190.383	
1,100.00	1,097.35	1,085.93	1,097.35	0.00	41.44	153.98	3,104.06	6,340.06	7,114.46	7,073.16	41.29	172.285	
1,200.00	1,196.92	1,185.50	1,196.92	0.00	45.42	154.01	3,104.06	6,340.06	7,122.75	7,077.49	45.26	157.360	
1,300.00	1,296.49	1,285.07	1,296.49	0.00	49.40	154.05	3,104.06	6,340.06	7,131.04	7,081.81	49.23	144.842	
1,400.00	1,396.07	1,384.65	1,396.07	0.00	53.39	154.08	3,104.06	6,340.06	7,139.34	7,086.14	53.20	134.192	
1,500.00	1,495.64	1,484.22	1,495.64	0.00	57.37	154.11	3,104.06	6,340.06	7,147.63	7,090.46	57.17	125.021	
1,600.00	1,595.22	1,583.80	1,595.22	0.00	61.35	154.14	3,104.06	6,340.06	7,155.93	7,094.79	61.14	117.040	
1,700.00	1,694.79	1,683.37	1,694.79	0.00	65.33	154.17	3,104.06	6,340.06	7,164.24	7,099.13	65.11	110.033	
1,800.00	1,794.37	1,782.95	1,794.37	0.00	69.32	154.21	3,104.06	6,340.06	7,172.54	7,103.46	69.08	103.831	
1,900.00	1,893.94	1,882.52	1,893.94	0.00	73.30	154.24	3,104.06	6,340.06	7,180.85	7,107.80	73.05	98.303	
2,000.00	1,993.51	1,982.09	1,993.51	0.00	77.28	154.27	3,104.06	6,340.06	7,189.16	7,112.14	77.02	93.345	
2,100.00	2,093.09	2,081.67	2,093.09	0.00	81.27	154.30	3,104.06	6,340.06	7,197.47	7,116.48	80.99	88.873	
2,200.00	2,192.66	2,181.24	2,192.66	0.00	85.25	154.33	3,104.06	6,340.06	7,205.78	7,120.82	84.96	84.819	
2,300.00	2,292.24	2,280.82	2,292.24	0.00	89.23	154.37	3,104.06	6,340.06	7,214.09	7,125.17	88.92	81.126	
2,400.00	2,391.81	2,380.39	2,391.81	0.00	93.22	154.40	3,104.06	6,340.06	7,222.41	7,129.52	92.89	77.750	
2,500.00	2,491.39	2,479.97	2,491.39	0.00	97.20	154.43	3,104.06	6,340.06	7,230.73	7,133.87	96.86	74.650	
2,600.00	2,590.96	2,579.54	2,590.96	0.00	101.18	154.46	3,104.06	6,340.06	7,239.05	7,138.22	100.83	71.794	
2,700.00	2,690.53	2,679.11	2,690.53	0.00	105.16	154.49	3,104.06	6,340.06	7,247.38	7,142.58	104.80	69.154	
2,800.00	2,790.11	2,778.69	2,790.11	0.00	109.15	154.52	3,104.06	6,340.06	7,255.70	7,146.93	108.77	66.707	
2,900.00	2,889.68	2,878.26	2,889.68	0.00	113.13	154.55	3,104.06	6,340.06	7,264.03	7,151.29	112.74	64.433	
3,000.00	2,989.26	2,977.84	2,989.26	0.00	117.11	154.59	3,104.06	6,340.06	7,272.36	7,155.65	116.71	62.313	
3,100.00	3,088.83	3,077.41	3,088.83	0.00	121.10	154.62	3,104.06	6,340.06	7,280.69	7,160.02	120.68	60.333	
3,200.00	3,188.41	3,176.99	3,188.41	0.00	125.08	154.65	3,104.06	6,340.06	7,289.03	7,164.38	124.65	58.478	
3,300.00	3,287.98	3,276.56	3,287.98	0.00	129.06	154.68	3,104.06	6,340.06	7,297.36	7,168.75	128.61	56.739	
3,400.00	3,387.56	3,376.14	3,387.56	0.00	133.05	154.71	3,104.06	6,340.06	7,305.70	7,173.12	132.58	55.103	
3,500.00	3,487.13	3,475.71	3,487.13	0.00	137.03	154.74	3,104.06	6,340.06	7,314.04	7,177.49	136.55	53.562	
3,600.00	3,586.70	3,575.28	3,586.70	0.00	141.01	154.77	3,104.06	6,340.06	7,322.39	7,181.87	140.52	52.109	
3,700.00	3,686.28	3,674.86	3,686.28	0.00	144.99	154.80	3,104.06	6,340.06	7,330.73	7,186.24	144.49	50.735	
3,800.00	3,785.85	3,774.43	3,785.85	0.00	148.98	154.83	3,104.06	6,340.06	7,339.08	7,190.62	148.46	49.435	
3,900.00	3,885.43	3,874.01	3,885.43	0.00	152.96	154.86	3,104.06	6,340.06	7,347.43	7,195.00	152.43	48.203	
4,000.00	3,985.00	3,973.58	3,985.00	0.00	156.94	154.89	3,104.06	6,340.06	7,355.78	7,199.38	156.40	47.033	
4,100.00	4,084.58	4,073.16	4,084.58	0.00	160.93	154.92	3,104.06	6,340.06	7,364.13	7,203.77	160.36	45.921	
4,200.00	4,184.15	4,172.73	4,184.15	0.00	164.91	154.95	3,104.06	6,340.06	7,372.49	7,208.16	164.33	44.863	
4,300.00	4,283.72	4,272.30	4,283.72	0.00	168.89	154.98	3,104.06	6,340.06	7,380.85	7,212.54	168.30	43.855	
4,400.00	4,383.30	4,371.88	4,383.30	0.00	172.88	155.01	3,104.06	6,340.06	7,389.21	7,216.93	172.27	42.893	
4,500.00	4,482.87	4,471.45	4,482.87	0.00	176.86	155.04	3,104.06	6,340.06	7,397.57	7,221.33	176.24	41.974	
4,600.00	4,582.45	4,571.03	4,582.45	0.00	180.84	155.07	3,104.06	6,340.06	7,405.93	7,225.72	180.21	41.096	
4,700.00	4,682.02	4,670.60	4,682.02	0.00	184.82	155.10	3,104.06	6,340.06	7,414.30	7,230.12	184.18	40.256	
4,800.00	4,781.60	4,770.18	4,781.60	0.00	188.81	155.13	3,104.06	6,340.06	7,422.66	7,234.52	188.15	39.452	
4,900.00	4,881.17	4,869.75	4,881.17	0.00	192.79	155.16	3,104.06	6,340.06	7,431.03	7,238.92	192.11	38.680	
5,000.00	4,980.74	4,969.32	4,980.74	0.00	196.77	155.19	3,104.06	6,340.06	7,439.41	7,243.32	196.08	37.940	
5,100.00	5,080.32	5,068.90	5,080.32	0.00	200.76	155.22	3,104.06	6,340.06	7,447.78	7,247.73	200.05	37.229	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 319 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,168.47	5,179.89	0.00	204.74	155.25	3,104.06	6,340.06	7,456.15	7,252.13	204.02	36.546	
5,300.00	5,279.47	5,268.05	5,279.47	0.00	208.72	155.28	3,104.06	6,340.06	7,464.53	7,256.54	207.99	35.889	
5,400.00	5,379.04	5,367.62	5,379.04	0.00	212.70	155.31	3,104.06	6,340.06	7,472.91	7,260.95	211.96	35.257	
5,500.00	5,478.62	5,467.20	5,478.62	0.00	216.69	155.34	3,104.06	6,340.06	7,481.29	7,265.37	215.93	34.647	
5,600.00	5,578.19	5,566.77	5,578.19	0.00	220.67	155.37	3,104.06	6,340.06	7,489.68	7,269.78	219.90	34.060	
5,700.00	5,677.77	5,666.35	5,677.77	0.00	224.65	155.40	3,104.06	6,340.06	7,498.06	7,274.20	223.86	33.494	
5,800.00	5,777.34	5,765.92	5,777.34	0.00	228.64	155.43	3,104.06	6,340.06	7,506.45	7,278.62	227.83	32.947	
5,900.00	5,876.91	5,865.49	5,876.91	0.00	232.62	155.46	3,104.06	6,340.06	7,514.84	7,283.04	231.80	32.419	
6,000.00	5,976.49	5,965.07	5,976.49	0.00	236.60	155.49	3,104.06	6,340.06	7,523.23	7,287.46	235.77	31.909	
6,100.00	6,076.06	6,064.64	6,076.06	0.00	240.59	155.52	3,104.06	6,340.06	7,531.62	7,291.89	239.74	31.416	
6,200.00	6,175.64	6,164.22	6,175.64	0.00	244.57	155.55	3,104.06	6,340.06	7,540.02	7,296.31	243.71	30.939	
6,300.00	6,275.24	6,263.82	6,275.24	0.00	248.55	155.60	3,104.06	6,340.06	7,548.17	7,300.25	247.92	30.446	
6,400.00	6,375.04	6,363.62	6,375.04	0.00	252.54	155.67	3,104.06	6,340.06	7,553.73	7,301.39	252.35	29.934	
6,500.00	6,475.00	6,463.58	6,475.00	0.00	256.54	155.69	3,104.06	6,340.06	7,556.12	7,299.58	256.54	29.454	
6,600.00	6,575.00	6,563.58	6,575.00	0.00	260.54	65.75	3,104.06	6,340.06	7,556.22	7,295.67	260.54	29.002	
6,700.00	6,675.00	6,663.58	6,675.00	0.00	264.54	65.75	3,104.06	6,340.06	7,556.22	7,291.67	264.54	28.563	
6,800.00	6,775.00	6,763.58	6,775.00	0.00	268.54	65.75	3,104.06	6,340.06	7,556.22	7,287.67	268.54	28.138	
6,900.00	6,875.00	6,863.58	6,875.00	0.00	272.54	65.75	3,104.06	6,340.06	7,556.22	7,283.67	272.54	27.725	
7,000.00	6,975.00	6,963.58	6,975.00	0.00	276.54	65.75	3,104.06	6,340.06	7,556.22	7,279.67	276.54	27.324	
7,100.00	7,075.00	7,063.58	7,075.00	0.00	280.54	65.75	3,104.06	6,340.06	7,556.22	7,275.67	280.54	26.934	
7,200.00	7,175.00	7,163.58	7,175.00	0.00	284.54	65.75	3,104.06	6,340.06	7,556.22	7,271.67	284.54	26.556	
7,300.00	7,275.00	7,263.58	7,275.00	0.00	288.54	65.75	3,104.06	6,340.06	7,556.22	7,267.67	288.54	26.187	
7,400.00	7,375.00	7,363.58	7,375.00	0.00	292.54	65.75	3,104.06	6,340.06	7,556.22	7,263.67	292.54	25.829	
7,500.00	7,475.00	7,463.58	7,475.00	0.00	296.54	65.75	3,104.06	6,340.06	7,556.22	7,259.67	296.54	25.481	
7,600.00	7,575.00	7,563.58	7,575.00	0.00	300.54	65.75	3,104.06	6,340.06	7,556.22	7,255.67	300.54	25.142	
7,700.00	7,675.00	7,663.58	7,675.00	0.00	304.54	65.75	3,104.06	6,340.06	7,556.22	7,251.67	304.54	24.812	
7,800.00	7,775.00	7,763.58	7,775.00	0.00	308.54	65.75	3,104.06	6,340.06	7,556.22	7,247.67	308.54	24.490	
7,900.00	7,875.00	7,863.58	7,875.00	0.00	312.54	65.75	3,104.06	6,340.06	7,556.22	7,243.67	312.54	24.177	
8,000.00	7,975.00	7,963.58	7,975.00	0.00	316.54	65.75	3,104.06	6,340.06	7,556.22	7,239.67	316.54	23.871	
8,100.00	8,075.00	8,063.58	8,075.00	0.00	320.54	65.75	3,104.06	6,340.06	7,556.22	7,235.67	320.54	23.573	
8,161.43	8,136.43	8,125.01	8,136.43	0.00	323.00	65.75	3,104.06	6,340.06	7,556.22	7,233.22	323.00	23.394	
8,200.00	8,175.00	8,150.00	8,161.42	0.00	324.00	65.75	3,104.06	6,340.06	7,556.23	7,232.23	324.00	23.322	SF
8,300.00	8,275.00	8,150.00	8,161.42	0.00	324.00	65.75	3,104.06	6,340.06	7,557.07	7,233.07	324.00	23.324	
8,400.00	8,375.00	8,150.00	8,161.42	0.00	324.00	65.75	3,104.06	6,340.06	7,559.24	7,235.24	324.00	23.331	
8,475.00	8,450.00	8,150.00	8,161.42	0.00	324.00	65.75	3,104.06	6,340.06	7,561.73	7,237.73	324.00	23.339	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	161.66	0.00	0.00	108.71	-2,531.04	7,472.77	7,891.43				
100.00	100.00	0.00	161.66	0.00	0.00	108.71	-2,531.04	7,472.77	7,890.01				
186.94	186.94	25.28	186.94	0.00	0.51	108.71	-2,531.04	7,472.77	7,889.77	7,889.26	0.51	N/A	
200.00	200.00	38.34	200.00	0.00	0.77	108.71	-2,531.04	7,472.77	7,889.77	7,889.00	0.77	N/A	
300.00	300.00	138.34	300.00	0.00	3.53	108.71	-2,531.04	7,472.77	7,889.77	7,886.24	3.53	2,232.658 CC	
400.00	399.98	238.32	399.98	0.00	7.53	-161.34	-2,531.04	7,472.77	7,891.42	7,883.89	7.53	1,048.155 ES	
500.00	499.84	338.18	499.84	0.00	11.53	-161.32	-2,531.04	7,472.77	7,896.38	7,884.88	11.50	686.516	
600.00	599.47	437.81	599.47	0.00	15.51	-161.31	-2,531.04	7,472.77	7,904.43	7,888.98	15.45	511.498	
700.00	699.05	537.39	699.05	0.00	19.50	-161.33	-2,531.04	7,472.77	7,913.17	7,893.74	19.42	407.449	
800.00	798.62	636.96	798.62	0.00	23.48	-161.35	-2,531.04	7,472.77	7,921.90	7,898.51	23.39	338.702	
900.00	898.20	736.54	898.20	0.00	27.46	-161.37	-2,531.04	7,472.77	7,930.64	7,903.28	27.36	289.897	
1,000.00	997.77	836.11	997.77	0.00	31.44	-161.39	-2,531.04	7,472.77	7,939.38	7,908.05	31.32	253.456	
1,100.00	1,097.35	935.69	1,097.35	0.00	35.43	-161.41	-2,531.04	7,472.77	7,948.12	7,912.82	35.29	225.209	
1,200.00	1,196.92	1,035.26	1,196.92	0.00	39.41	-161.43	-2,531.04	7,472.77	7,956.86	7,917.60	39.26	202.672	
1,300.00	1,296.49	1,134.83	1,296.49	0.00	43.39	-161.45	-2,531.04	7,472.77	7,965.60	7,922.37	43.23	184.271	
1,400.00	1,396.07	1,234.41	1,396.07	0.00	47.38	-161.48	-2,531.04	7,472.77	7,974.34	7,927.15	47.20	168.965	
1,500.00	1,495.64	1,333.98	1,495.64	0.00	51.36	-161.50	-2,531.04	7,472.77	7,983.08	7,931.92	51.16	156.033	
1,600.00	1,595.22	1,433.56	1,595.22	0.00	55.34	-161.52	-2,531.04	7,472.77	7,991.83	7,936.70	55.13	144.962	
1,700.00	1,694.79	1,533.13	1,694.79	0.00	59.33	-161.54	-2,531.04	7,472.77	8,000.57	7,941.48	59.10	135.377	
1,800.00	1,794.37	1,632.71	1,794.37	0.00	63.31	-161.56	-2,531.04	7,472.77	8,009.32	7,946.26	63.07	126.999	
1,900.00	1,893.94	1,732.28	1,893.94	0.00	67.29	-161.58	-2,531.04	7,472.77	8,018.07	7,951.04	67.03	119.613	
2,000.00	1,993.51	1,831.85	1,993.51	0.00	71.27	-161.60	-2,531.04	7,472.77	8,026.82	7,955.82	71.00	113.052	
2,100.00	2,093.09	1,931.43	2,093.09	0.00	75.26	-161.62	-2,531.04	7,472.77	8,035.57	7,960.60	74.97	107.185	
2,200.00	2,192.66	2,031.00	2,192.66	0.00	79.24	-161.64	-2,531.04	7,472.77	8,044.32	7,965.38	78.94	101.909	
2,300.00	2,292.24	2,130.58	2,292.24	0.00	83.22	-161.66	-2,531.04	7,472.77	8,053.07	7,970.17	82.90	97.137	
2,400.00	2,391.81	2,230.15	2,391.81	0.00	87.21	-161.68	-2,531.04	7,472.77	8,061.82	7,974.95	86.87	92.801	
2,500.00	2,491.39	2,329.73	2,491.39	0.00	91.19	-161.70	-2,531.04	7,472.77	8,070.58	7,979.74	90.84	88.844	
2,600.00	2,590.96	2,429.30	2,590.96	0.00	95.17	-161.72	-2,531.04	7,472.77	8,079.33	7,984.53	94.81	85.219	
2,700.00	2,690.53	2,528.87	2,690.53	0.00	99.15	-161.75	-2,531.04	7,472.77	8,088.09	7,989.31	98.77	81.884	
2,800.00	2,790.11	2,628.45	2,790.11	0.00	103.14	-161.77	-2,531.04	7,472.77	8,096.85	7,994.10	102.74	78.807	
2,900.00	2,889.68	2,728.02	2,889.68	0.00	107.12	-161.79	-2,531.04	7,472.77	8,105.60	7,998.89	106.71	75.959	
3,000.00	2,989.26	2,827.60	2,989.26	0.00	111.10	-161.81	-2,531.04	7,472.77	8,114.36	8,003.69	110.68	73.315	
3,100.00	3,088.83	2,927.17	3,088.83	0.00	115.09	-161.83	-2,531.04	7,472.77	8,123.12	8,008.48	114.64	70.855	
3,200.00	3,188.41	3,026.75	3,188.41	0.00	119.07	-161.85	-2,531.04	7,472.77	8,131.88	8,013.27	118.61	68.558	
3,300.00	3,287.98	3,126.32	3,287.98	0.00	123.05	-161.87	-2,531.04	7,472.77	8,140.65	8,018.07	122.58	66.411	
3,400.00	3,387.56	3,225.90	3,387.56	0.00	127.04	-161.89	-2,531.04	7,472.77	8,149.41	8,022.86	126.55	64.398	
3,500.00	3,487.13	3,325.47	3,487.13	0.00	131.02	-161.91	-2,531.04	7,472.77	8,158.17	8,027.66	130.52	62.507	
3,600.00	3,586.70	3,425.04	3,586.70	0.00	135.00	-161.93	-2,531.04	7,472.77	8,166.94	8,032.46	134.48	60.729	
3,700.00	3,686.28	3,524.62	3,686.28	0.00	138.98	-161.95	-2,531.04	7,472.77	8,175.70	8,037.25	138.45	59.052	
3,800.00	3,785.85	3,624.19	3,785.85	0.00	142.97	-161.97	-2,531.04	7,472.77	8,184.47	8,042.05	142.42	57.468	
3,900.00	3,885.43	3,723.77	3,885.43	0.00	146.95	-161.99	-2,531.04	7,472.77	8,193.24	8,046.85	146.39	55.970	
4,000.00	3,985.00	3,823.34	3,985.00	0.00	150.93	-162.01	-2,531.04	7,472.77	8,202.01	8,051.66	150.35	54.552	
4,100.00	4,084.58	3,922.92	4,084.58	0.00	154.92	-162.03	-2,531.04	7,472.77	8,210.78	8,056.46	154.32	53.206	
4,200.00	4,184.15	4,022.49	4,184.15	0.00	158.90	-162.05	-2,531.04	7,472.77	8,219.55	8,061.26	158.29	51.928	
4,300.00	4,283.72	4,122.06	4,283.72	0.00	162.88	-162.07	-2,531.04	7,472.77	8,228.32	8,066.07	162.26	50.712	
4,400.00	4,383.30	4,221.64	4,383.30	0.00	166.87	-162.09	-2,531.04	7,472.77	8,237.09	8,070.87	166.22	49.555	
4,500.00	4,482.87	4,321.21	4,482.87	0.00	170.85	-162.11	-2,531.04	7,472.77	8,245.87	8,075.68	170.19	48.451	
4,600.00	4,582.45	4,420.79	4,582.45	0.00	174.83	-162.13	-2,531.04	7,472.77	8,254.64	8,080.49	174.16	47.398	
4,700.00	4,682.02	4,520.36	4,682.02	0.00	178.81	-162.15	-2,531.04	7,472.77	8,263.42	8,085.29	178.13	46.391	
4,800.00	4,781.60	4,619.94	4,781.60	0.00	182.80	-162.16	-2,531.04	7,472.77	8,272.20	8,090.10	182.09	45.428	
4,900.00	4,881.17	4,719.51	4,881.17	0.00	186.78	-162.18	-2,531.04	7,472.77	8,280.97	8,094.91	186.06	44.507	
5,000.00	4,980.74	4,819.08	4,980.74	0.00	190.76	-162.20	-2,531.04	7,472.77	8,289.75	8,099.73	190.03	43.624	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,918.66	5,080.32	0.00	194.75	-162.22	-2,531.04	7,472.77	8,298.53	8,104.54	194.00	42.777	
5,200.00	5,179.89	5,018.23	5,179.89	0.00	198.73	-162.24	-2,531.04	7,472.77	8,307.31	8,109.35	197.96	41.964	
5,300.00	5,279.47	5,117.81	5,279.47	0.00	202.71	-162.26	-2,531.04	7,472.77	8,316.10	8,114.17	201.93	41.183	
5,400.00	5,379.04	5,217.38	5,379.04	0.00	206.70	-162.28	-2,531.04	7,472.77	8,324.88	8,118.98	205.90	40.432	
5,500.00	5,478.62	5,316.96	5,478.62	0.00	210.68	-162.30	-2,531.04	7,472.77	8,333.66	8,123.80	209.86	39.710	
5,600.00	5,578.19	5,416.53	5,578.19	0.00	214.66	-162.32	-2,531.04	7,472.77	8,342.45	8,128.61	213.83	39.014	
5,700.00	5,677.77	5,516.11	5,677.77	0.00	218.64	-162.34	-2,531.04	7,472.77	8,351.23	8,133.43	217.80	38.344	
5,800.00	5,777.34	5,615.68	5,777.34	0.00	222.63	-162.36	-2,531.04	7,472.77	8,360.02	8,138.25	221.77	37.697	
5,900.00	5,876.91	5,715.25	5,876.91	0.00	226.61	-162.38	-2,531.04	7,472.77	8,368.80	8,143.07	225.73	37.074	
6,000.00	5,976.49	5,814.83	5,976.49	0.00	230.59	-162.40	-2,531.04	7,472.77	8,377.59	8,147.89	229.70	36.472	
6,100.00	6,076.06	5,914.40	6,076.06	0.00	234.58	-162.42	-2,531.04	7,472.77	8,386.38	8,152.71	233.67	35.890	
6,200.00	6,175.64	6,013.98	6,175.64	0.00	238.56	-162.43	-2,531.04	7,472.77	8,395.17	8,157.53	237.64	35.328	
6,300.00	6,275.24	6,113.58	6,275.24	0.00	242.54	-162.47	-2,531.04	7,472.77	8,403.70	8,161.84	241.86	34.746	
6,400.00	6,375.04	6,213.38	6,375.04	0.00	246.54	-162.52	-2,531.04	7,472.77	8,409.53	8,163.21	246.32	34.140	
6,500.00	6,475.00	6,313.34	6,475.00	0.00	250.53	-162.54	-2,531.04	7,472.77	8,412.02	8,161.50	250.53	33.578	
6,600.00	6,575.00	6,413.34	6,575.00	0.00	254.53	107.51	-2,531.04	7,472.77	8,412.13	8,157.59	254.53	33.049	
6,700.00	6,675.00	6,513.34	6,675.00	0.00	258.53	107.51	-2,531.04	7,472.77	8,412.13	8,153.59	258.53	32.538	
6,800.00	6,775.00	6,613.34	6,775.00	0.00	262.53	107.51	-2,531.04	7,472.77	8,412.13	8,149.59	262.53	32.042	
6,900.00	6,875.00	6,713.34	6,875.00	0.00	266.53	107.51	-2,531.04	7,472.77	8,412.13	8,145.59	266.53	31.561	
7,000.00	6,975.00	6,813.34	6,975.00	0.00	270.53	107.51	-2,531.04	7,472.77	8,412.13	8,141.59	270.53	31.095	
7,100.00	7,075.00	6,913.34	7,075.00	0.00	274.53	107.51	-2,531.04	7,472.77	8,412.13	8,137.59	274.53	30.641	
7,200.00	7,175.00	7,013.34	7,175.00	0.00	278.53	107.51	-2,531.04	7,472.77	8,412.13	8,133.59	278.53	30.201	
7,300.00	7,275.00	7,113.34	7,275.00	0.00	282.53	107.51	-2,531.04	7,472.77	8,412.13	8,129.59	282.53	29.774	
7,400.00	7,375.00	7,213.34	7,375.00	0.00	286.53	107.51	-2,531.04	7,472.77	8,412.13	8,125.59	286.53	29.358	
7,500.00	7,475.00	7,313.34	7,475.00	0.00	290.53	107.51	-2,531.04	7,472.77	8,412.13	8,121.59	290.53	28.954	
7,600.00	7,575.00	7,413.34	7,575.00	0.00	294.53	107.51	-2,531.04	7,472.77	8,412.13	8,117.59	294.53	28.561	
7,700.00	7,675.00	7,513.34	7,675.00	0.00	298.53	107.51	-2,531.04	7,472.77	8,412.13	8,113.59	298.53	28.178	
7,800.00	7,775.00	7,613.34	7,775.00	0.00	302.53	107.51	-2,531.04	7,472.77	8,412.13	8,109.59	302.53	27.806	
7,900.00	7,875.00	7,713.34	7,875.00	0.00	306.53	107.51	-2,531.04	7,472.77	8,412.13	8,105.59	306.53	27.443	
8,000.00	7,975.00	7,813.34	7,975.00	0.00	310.53	107.51	-2,531.04	7,472.77	8,412.13	8,101.59	310.53	27.089	
8,100.00	8,075.00	7,913.34	8,075.00	0.00	314.53	107.51	-2,531.04	7,472.77	8,412.13	8,097.59	314.53	26.745	
8,200.00	8,175.00	8,013.34	8,175.00	0.00	318.53	107.51	-2,531.04	7,472.77	8,412.13	8,093.59	318.53	26.409	
8,300.00	8,275.00	8,035.00	8,196.66	0.00	319.40	107.51	-2,531.04	7,472.77	8,412.49	8,093.09	319.40	26.338	SF
8,400.00	8,375.00	8,035.00	8,196.66	0.00	319.40	107.51	-2,531.04	7,472.77	8,414.02	8,094.62	319.40	26.343	
8,475.00	8,450.00	8,035.00	8,196.66	0.00	319.40	107.51	-2,531.04	7,472.77	8,415.94	8,096.54	319.40	26.349	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH — Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	103.29	0.00	0.00	84.14	808.64	7,883.76	7,925.80				
100.00	100.00	0.00	103.29	0.00	0.00	84.14	808.64	7,883.76	7,925.12				
134.47	134.47	31.18	134.47	0.00	0.62	84.14	808.64	7,883.76	7,925.12	7,924.50	0.62	N/A	
200.00	200.00	96.71	200.00	0.00	1.93	84.14	808.64	7,883.76	7,925.12	7,923.19	1.93	4,096.927	
300.00	300.00	196.71	300.00	0.00	5.87	84.14	808.64	7,883.76	7,925.12	7,919.25	5.87	1,350.428	CC
400.00	399.98	296.69	399.98	0.00	9.87	174.09	808.64	7,883.76	7,926.86	7,917.00	9.86	803.791	ES
500.00	499.84	396.55	499.84	0.00	13.86	174.08	808.64	7,883.76	7,932.06	7,918.24	13.83	573.595	
600.00	599.47	496.18	599.47	0.00	17.85	174.07	808.64	7,883.76	7,940.51	7,922.74	17.77	446.790	
700.00	699.05	595.76	699.05	0.00	21.83	174.08	808.64	7,883.76	7,949.68	7,927.94	21.74	365.695	
800.00	798.62	695.33	798.62	0.00	25.81	174.09	808.64	7,883.76	7,958.85	7,933.15	25.70	309.625	
900.00	898.20	794.91	898.20	0.00	29.80	174.10	808.64	7,883.76	7,968.02	7,938.35	29.67	268.546	
1,000.00	997.77	894.48	997.77	0.00	33.78	174.10	808.64	7,883.76	7,977.19	7,943.55	33.64	237.154	
1,100.00	1,097.35	994.06	1,097.35	0.00	37.76	174.11	808.64	7,883.76	7,986.36	7,948.75	37.60	212.384	
1,200.00	1,196.92	1,093.63	1,196.92	0.00	41.75	174.12	808.64	7,883.76	7,995.52	7,953.95	41.57	192.341	
1,300.00	1,296.49	1,193.20	1,296.49	0.00	45.73	174.12	808.64	7,883.76	8,004.69	7,959.16	45.54	175.789	
1,400.00	1,396.07	1,292.78	1,396.07	0.00	49.71	174.13	808.64	7,883.76	8,013.86	7,964.36	49.50	161.890	
1,500.00	1,495.64	1,392.35	1,495.64	0.00	53.69	174.14	808.64	7,883.76	8,023.03	7,969.56	53.47	150.053	
1,600.00	1,595.22	1,491.93	1,595.22	0.00	57.68	174.14	808.64	7,883.76	8,032.20	7,974.77	57.43	139.850	
1,700.00	1,694.79	1,591.50	1,694.79	0.00	61.66	174.15	808.64	7,883.76	8,041.37	7,979.97	61.40	130.966	
1,800.00	1,794.37	1,691.08	1,794.37	0.00	65.64	174.16	808.64	7,883.76	8,050.54	7,985.17	65.37	123.160	
1,900.00	1,893.94	1,790.65	1,893.94	0.00	69.63	174.16	808.64	7,883.76	8,059.71	7,990.37	69.33	116.246	
2,000.00	1,993.51	1,890.22	1,993.51	0.00	73.61	174.17	808.64	7,883.76	8,068.88	7,995.58	73.30	110.082	
2,100.00	2,093.09	1,989.80	2,093.09	0.00	77.59	174.18	808.64	7,883.76	8,078.05	8,000.78	77.27	104.549	
2,200.00	2,192.66	2,089.37	2,192.66	0.00	81.57	174.18	808.64	7,883.76	8,087.22	8,005.98	81.23	99.558	
2,300.00	2,292.24	2,188.95	2,292.24	0.00	85.56	174.19	808.64	7,883.76	8,096.39	8,011.19	85.20	95.031	
2,400.00	2,391.81	2,288.52	2,391.81	0.00	89.54	174.20	808.64	7,883.76	8,105.56	8,016.39	89.16	90.906	
2,500.00	2,491.39	2,388.10	2,491.39	0.00	93.52	174.20	808.64	7,883.76	8,114.73	8,021.60	93.13	87.133	
2,600.00	2,590.96	2,487.67	2,590.96	0.00	97.51	174.21	808.64	7,883.76	8,123.90	8,026.80	97.10	83.669	
2,700.00	2,690.53	2,587.24	2,690.53	0.00	101.49	174.22	808.64	7,883.76	8,133.07	8,032.00	101.06	80.476	
2,800.00	2,790.11	2,686.82	2,790.11	0.00	105.47	174.22	808.64	7,883.76	8,142.24	8,037.21	105.03	77.524	
2,900.00	2,889.68	2,786.39	2,889.68	0.00	109.46	174.23	808.64	7,883.76	8,151.41	8,042.41	108.99	74.787	
3,000.00	2,989.26	2,885.97	2,989.26	0.00	113.44	174.24	808.64	7,883.76	8,160.58	8,047.62	112.96	72.242	
3,100.00	3,088.83	2,985.54	3,088.83	0.00	117.42	174.24	808.64	7,883.76	8,169.75	8,052.82	116.93	69.870	
3,200.00	3,188.41	3,085.12	3,188.41	0.00	121.40	174.25	808.64	7,883.76	8,178.92	8,058.02	120.89	67.654	
3,300.00	3,287.98	3,184.69	3,287.98	0.00	125.39	174.25	808.64	7,883.76	8,188.09	8,063.23	124.86	65.578	
3,400.00	3,387.56	3,284.27	3,387.56	0.00	129.37	174.26	808.64	7,883.76	8,197.26	8,068.43	128.83	63.631	
3,500.00	3,487.13	3,383.84	3,487.13	0.00	133.35	174.27	808.64	7,883.76	8,206.43	8,073.64	132.79	61.799	
3,600.00	3,586.70	3,483.41	3,586.70	0.00	137.34	174.27	808.64	7,883.76	8,215.60	8,078.84	136.76	60.074	
3,700.00	3,686.28	3,582.99	3,686.28	0.00	141.32	174.28	808.64	7,883.76	8,224.77	8,084.05	140.72	58.446	
3,800.00	3,785.85	3,682.56	3,785.85	0.00	145.30	174.29	808.64	7,883.76	8,233.94	8,089.25	144.69	56.907	
3,900.00	3,885.43	3,782.14	3,885.43	0.00	149.29	174.29	808.64	7,883.76	8,243.12	8,094.46	148.66	55.451	
4,000.00	3,985.00	3,881.71	3,985.00	0.00	153.27	174.30	808.64	7,883.76	8,252.29	8,099.66	152.62	54.070	
4,100.00	4,084.58	3,981.29	4,084.58	0.00	157.25	174.31	808.64	7,883.76	8,261.46	8,104.87	156.59	52.759	
4,200.00	4,184.15	4,080.86	4,184.15	0.00	161.23	174.31	808.64	7,883.76	8,270.63	8,110.08	160.56	51.513	
4,300.00	4,283.72	4,180.43	4,283.72	0.00	165.22	174.32	808.64	7,883.76	8,279.80	8,115.28	164.52	50.327	
4,400.00	4,383.30	4,280.01	4,383.30	0.00	169.20	174.32	808.64	7,883.76	8,288.97	8,120.49	168.49	49.196	
4,500.00	4,482.87	4,379.58	4,482.87	0.00	173.18	174.33	808.64	7,883.76	8,298.15	8,125.69	172.45	48.118	
4,600.00	4,582.45	4,479.16	4,582.45	0.00	177.17	174.34	808.64	7,883.76	8,307.32	8,130.90	176.42	47.088	
4,700.00	4,682.02	4,578.73	4,682.02	0.00	181.15	174.34	808.64	7,883.76	8,316.49	8,136.10	180.39	46.104	
4,800.00	4,781.60	4,678.31	4,781.60	0.00	185.13	174.35	808.64	7,883.76	8,325.66	8,141.31	184.35	45.162	
4,900.00	4,881.17	4,777.88	4,881.17	0.00	189.12	174.36	808.64	7,883.76	8,334.84	8,146.52	188.32	44.259	
5,000.00	4,980.74	4,877.45	4,980.74	0.00	193.10	174.36	808.64	7,883.76	8,344.01	8,151.72	192.28	43.394	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,977.03	5,080.32	0.00	197.08	174.37	808.64	7,883.76	8,353.18	8,156.93	196.25	42.564	
5,200.00	5,179.89	5,076.60	5,179.89	0.00	201.06	174.37	808.64	7,883.76	8,362.35	8,162.14	200.22	41.767	
5,300.00	5,279.47	5,176.18	5,279.47	0.00	205.05	174.38	808.64	7,883.76	8,371.53	8,167.34	204.18	41.000	
5,400.00	5,379.04	5,275.75	5,379.04	0.00	209.03	174.39	808.64	7,883.76	8,380.70	8,172.55	208.15	40.263	
5,500.00	5,478.62	5,375.33	5,478.62	0.00	213.01	174.39	808.64	7,883.76	8,389.87	8,177.76	212.12	39.553	
5,600.00	5,578.19	5,474.90	5,578.19	0.00	217.00	174.40	808.64	7,883.76	8,399.05	8,182.96	216.08	38.870	
5,700.00	5,677.77	5,574.48	5,677.77	0.00	220.98	174.41	808.64	7,883.76	8,408.22	8,188.17	220.05	38.211	
5,800.00	5,777.34	5,674.05	5,777.34	0.00	224.96	174.41	808.64	7,883.76	8,417.39	8,193.38	224.01	37.575	
5,900.00	5,876.91	5,773.62	5,876.91	0.00	228.94	174.42	808.64	7,883.76	8,426.57	8,198.59	227.98	36.962	
6,000.00	5,976.49	5,873.20	5,976.49	0.00	232.93	174.42	808.64	7,883.76	8,435.74	8,203.79	231.95	36.369	
6,100.00	6,076.06	5,972.77	6,076.06	0.00	236.91	174.43	808.64	7,883.76	8,444.91	8,209.00	235.91	35.797	
6,200.00	6,175.64	6,072.35	6,175.64	0.00	240.89	174.44	808.64	7,883.76	8,454.09	8,214.21	239.88	35.243	
6,300.00	6,275.24	6,171.95	6,275.24	0.00	244.88	174.45	808.64	7,883.76	8,462.99	8,218.86	244.13	34.666	
6,400.00	6,375.04	6,271.75	6,375.04	0.00	248.87	174.46	808.64	7,883.76	8,469.07	8,220.43	248.64	34.062	
6,500.00	6,475.00	6,371.71	6,475.00	0.00	252.87	174.47	808.64	7,883.76	8,471.67	8,218.81	252.86	33.504	
6,600.00	6,575.00	6,471.71	6,575.00	0.00	256.87	84.53	808.64	7,883.76	8,471.78	8,214.91	256.87	32.981	
6,700.00	6,675.00	6,571.71	6,675.00	0.00	260.87	84.53	808.64	7,883.76	8,471.78	8,210.91	260.87	32.475	
6,800.00	6,775.00	6,671.71	6,775.00	0.00	264.87	84.53	808.64	7,883.76	8,471.78	8,206.91	264.87	31.985	
6,900.00	6,875.00	6,771.71	6,875.00	0.00	268.87	84.53	808.64	7,883.76	8,471.78	8,202.91	268.87	31.509	
7,000.00	6,975.00	6,871.71	6,975.00	0.00	272.87	84.53	808.64	7,883.76	8,471.78	8,198.91	272.87	31.047	
7,100.00	7,075.00	6,971.71	7,075.00	0.00	276.87	84.53	808.64	7,883.76	8,471.78	8,194.91	276.87	30.599	
7,200.00	7,175.00	7,071.71	7,175.00	0.00	280.87	84.53	808.64	7,883.76	8,471.78	8,190.91	280.87	30.163	
7,300.00	7,275.00	7,171.71	7,275.00	0.00	284.87	84.53	808.64	7,883.76	8,471.78	8,186.91	284.87	29.739	
7,400.00	7,375.00	7,271.71	7,375.00	0.00	288.87	84.53	808.64	7,883.76	8,471.78	8,182.91	288.87	29.327	
7,500.00	7,475.00	7,371.71	7,475.00	0.00	292.87	84.53	808.64	7,883.76	8,471.78	8,178.91	292.87	28.927	
7,600.00	7,575.00	7,471.71	7,575.00	0.00	296.87	84.53	808.64	7,883.76	8,471.78	8,174.91	296.87	28.537	
7,700.00	7,675.00	7,571.71	7,675.00	0.00	300.87	84.53	808.64	7,883.76	8,471.78	8,170.91	300.87	28.158	
7,800.00	7,775.00	7,671.71	7,775.00	0.00	304.87	84.53	808.64	7,883.76	8,471.78	8,166.91	304.87	27.788	
7,900.00	7,875.00	7,771.71	7,875.00	0.00	308.87	84.53	808.64	7,883.76	8,471.78	8,162.91	308.87	27.428	
8,000.00	7,975.00	7,871.71	7,975.00	0.00	312.87	84.53	808.64	7,883.76	8,471.78	8,158.91	312.87	27.078	
8,100.00	8,075.00	7,971.71	8,075.00	0.00	316.87	84.53	808.64	7,883.76	8,471.78	8,154.91	316.87	26.736	
8,200.00	8,175.00	8,071.71	8,175.00	0.00	320.87	84.53	808.64	7,883.76	8,471.78	8,150.91	320.87	26.403	
8,300.00	8,275.00	8,100.00	8,203.29	0.00	322.00	84.53	808.64	7,883.76	8,472.08	8,150.08	322.00	26.311	SF
8,400.00	8,375.00	8,100.00	8,203.29	0.00	322.00	84.53	808.64	7,883.76	8,473.52	8,151.52	322.00	26.315	
8,475.00	8,450.00	8,100.00	8,203.29	0.00	322.00	84.53	808.64	7,883.76	8,475.37	8,153.37	322.00	26.321	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	132.32	0.00	0.00	102.13	-1,973.65	9,179.16	9,389.88				
100.00	100.00	0.00	132.32	0.00	0.00	102.13	-1,973.65	9,179.16	9,389.00				
149.25	149.25	16.93	149.25	0.00	0.34	102.13	-1,973.65	9,179.16	9,388.94	9,388.61	0.34	N/A	
200.00	200.00	67.68	200.00	0.00	1.35	102.13	-1,973.65	9,179.16	9,388.94	9,387.59	1.35	6,934.920 CC	
300.00	300.00	100.00	232.32	0.00	2.00	102.13	-1,973.65	9,179.16	9,389.19	9,387.19	2.00	4,694.124 ES, SF	
400.00	399.98	100.00	232.32	0.00	2.00	-167.91	-1,973.65	9,179.16	9,392.15	9,390.15	2.00	4,698.340	
500.00	499.84	100.00	232.32	0.00	2.00	-167.88	-1,973.65	9,179.16	9,399.58	9,397.58	2.00	4,710.285	
600.00	599.47	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,411.24	9,409.25	1.99	4,724.365	
700.00	699.05	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,424.65	9,422.66	1.99	4,731.099	
800.00	798.62	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,439.11	9,437.11	1.99	4,738.354	
900.00	898.20	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,454.60	9,452.60	1.99	4,746.129	
1,000.00	997.77	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,471.11	9,469.12	1.99	4,754.422	
1,100.00	1,097.35	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,488.66	9,486.67	1.99	4,763.229	
1,200.00	1,196.92	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,507.22	9,505.23	1.99	4,772.548	
1,300.00	1,296.49	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,526.80	9,524.81	1.99	4,782.376	
1,400.00	1,396.07	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,547.39	9,545.39	1.99	4,792.710	
1,500.00	1,495.64	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,568.97	9,566.98	1.99	4,803.546	
1,600.00	1,595.22	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,591.55	9,589.56	1.99	4,814.880	
1,700.00	1,694.79	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,615.12	9,613.13	1.99	4,826.711	
1,800.00	1,794.37	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,639.67	9,637.67	1.99	4,839.033	
1,900.00	1,893.94	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,665.19	9,663.19	1.99	4,851.844	
2,000.00	1,993.51	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,691.67	9,689.68	1.99	4,865.138	
2,100.00	2,093.09	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,719.11	9,717.12	1.99	4,878.913	
2,200.00	2,192.66	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,747.50	9,745.51	1.99	4,893.164	
2,300.00	2,292.24	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,776.83	9,774.84	1.99	4,907.888	
2,400.00	2,391.81	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,807.09	9,805.10	1.99	4,923.079	
2,500.00	2,491.39	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,838.28	9,836.28	1.99	4,938.733	
2,600.00	2,590.96	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,870.37	9,868.38	1.99	4,954.847	
2,700.00	2,690.53	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,903.38	9,901.39	1.99	4,971.416	
2,800.00	2,790.11	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,937.28	9,935.29	1.99	4,988.434	
2,900.00	2,889.68	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	9,972.07	9,970.08	1.99	5,005.899	
3,000.00	2,989.26	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,007.74	10,005.75	1.99	5,023.804	
3,100.00	3,088.83	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,044.28	10,042.29	1.99	5,042.145	
3,200.00	3,188.41	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,081.67	10,079.68	1.99	5,060.918	
3,300.00	3,287.98	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,119.92	10,117.93	1.99	5,080.117	
3,400.00	3,387.56	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,159.01	10,157.02	1.99	5,099.739	
3,500.00	3,487.13	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,198.93	10,196.93	1.99	5,119.777	
3,600.00	3,586.70	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,239.66	10,237.67	1.99	5,140.228	
3,700.00	3,686.28	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,281.21	10,279.22	1.99	5,161.085	
3,800.00	3,785.85	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,323.57	10,321.57	1.99	5,182.345	
3,900.00	3,885.43	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,366.71	10,364.72	1.99	5,204.003	
4,000.00	3,985.00	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,410.63	10,408.64	1.99	5,226.053	
4,100.00	4,084.58	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,455.33	10,453.34	1.99	5,248.490	
4,200.00	4,184.15	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,500.79	10,498.80	1.99	5,271.310	
4,300.00	4,283.72	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,547.00	10,545.01	1.99	5,294.508	
4,400.00	4,383.30	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,593.95	10,591.96	1.99	5,318.078	
4,500.00	4,482.87	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,641.64	10,639.65	1.99	5,342.016	
4,600.00	4,582.45	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,690.05	10,688.06	1.99	5,366.317	
4,700.00	4,682.02	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,739.17	10,737.18	1.99	5,390.976	
4,800.00	4,781.60	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,789.00	10,787.00	1.99	5,415.988	
4,900.00	4,881.17	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,839.52	10,837.52	1.99	5,441.348	
5,000.00	4,980.74	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,890.72	10,888.73	1.99	5,467.051	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 321N - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,942.59	10,940.60	1.99	5,493.093	
5,200.00	5,179.89	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	10,995.14	10,993.14	1.99	5,519.468	
5,300.00	5,279.47	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,048.33	11,046.34	1.99	5,546.172	
5,400.00	5,379.04	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,102.18	11,100.18	1.99	5,573.201	
5,500.00	5,478.62	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,156.65	11,154.66	1.99	5,600.549	
5,600.00	5,578.19	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,211.76	11,209.77	1.99	5,628.212	
5,700.00	5,677.77	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,267.49	11,265.49	1.99	5,656.185	
5,800.00	5,777.34	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,323.82	11,321.83	1.99	5,684.464	
5,900.00	5,876.91	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,380.75	11,378.76	1.99	5,713.044	
6,000.00	5,976.49	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,438.28	11,436.28	1.99	5,741.921	
6,100.00	6,076.06	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,496.38	11,494.39	1.99	5,771.089	
6,200.00	6,175.64	100.00	232.32	0.00	2.00	-167.85	-1,973.65	9,179.16	11,555.06	11,553.07	1.99	5,800.546	
6,300.00	6,275.24	100.00	232.32	0.00	2.00	-167.97	-1,973.65	9,179.16	11,614.09	11,612.10	1.99	5,823.635	
6,400.00	6,375.04	100.00	232.32	0.00	2.00	-168.26	-1,973.65	9,179.16	11,671.42	11,669.42	2.00	5,840.455	
6,500.00	6,475.00	100.00	232.32	0.00	2.00	-168.52	-1,973.65	9,179.16	11,726.51	11,724.51	2.00	5,862.883	
6,600.00	6,575.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	11,780.14	11,778.14	2.00	5,889.481	
6,700.00	6,675.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	11,834.28	11,832.28	2.00	5,916.549	
6,800.00	6,775.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	11,889.02	11,887.02	2.00	5,943.915	
6,900.00	6,875.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	11,944.34	11,942.34	2.00	5,971.574	
7,000.00	6,975.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,000.24	11,998.24	2.00	5,999.522	
7,100.00	7,075.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,056.72	12,054.72	2.00	6,027.755	
7,200.00	7,175.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,113.75	12,111.75	2.00	6,056.269	
7,300.00	7,275.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,171.34	12,169.34	2.00	6,085.060	
7,400.00	7,375.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,229.47	12,227.47	2.00	6,114.124	
7,500.00	7,475.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,288.15	12,286.15	2.00	6,143.458	
7,600.00	7,575.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,347.35	12,345.35	2.00	6,173.058	
7,700.00	7,675.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,407.08	12,405.08	2.00	6,202.919	
7,800.00	7,775.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,467.32	12,465.32	2.00	6,233.038	
7,900.00	7,875.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,528.08	12,526.08	2.00	6,263.411	
8,000.00	7,975.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,589.33	12,587.33	2.00	6,294.035	
8,100.00	8,075.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,651.08	12,649.08	2.00	6,324.906	
8,200.00	8,175.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,713.31	12,711.31	2.00	6,356.020	
8,300.00	8,275.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,776.03	12,774.03	2.00	6,387.374	
8,400.00	8,375.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,839.21	12,837.21	2.00	6,418.964	
8,475.00	8,450.00	100.00	232.32	0.00	2.00	101.47	-1,973.65	9,179.16	12,886.91	12,884.91	2.00	6,442.808	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	62.65	0.00	0.00	1.25	82.22	877.63	6,427.45	6,487.09				
100.00	100.00	162.65	100.00	0.00	4.51	82.22	877.63	6,427.45	6,487.09	6,482.58	4.51	1,439.592	
200.00	200.00	262.65	200.00	0.00	8.51	82.22	877.63	6,427.45	6,487.09	6,478.58	8.51	762.631	
300.00	300.00	362.65	300.00	0.00	12.51	82.22	877.63	6,427.45	6,487.09	6,474.58	12.51	518.710	CC
400.00	399.98	462.63	399.98	0.00	16.51	172.17	877.63	6,427.45	6,488.82	6,472.32	16.50	393.369	ES
500.00	499.84	562.49	499.84	0.00	20.50	172.16	877.63	6,427.45	6,494.00	6,473.55	20.45	317.544	
600.00	599.47	662.12	599.47	0.00	24.48	172.16	877.63	6,427.45	6,502.42	6,478.04	24.38	266.680	
700.00	699.05	761.70	699.05	0.00	28.47	172.17	877.63	6,427.45	6,511.55	6,483.20	28.35	229.691	
800.00	798.62	861.27	798.62	0.00	32.45	172.18	877.63	6,427.45	6,520.68	6,488.37	32.32	201.782	
900.00	898.20	960.85	898.20	0.00	36.43	172.19	877.63	6,427.45	6,529.82	6,493.53	36.28	179.975	
1,000.00	997.77	1,060.42	997.77	0.00	40.42	172.20	877.63	6,427.45	6,538.95	6,498.70	40.25	162.466	
1,100.00	1,097.35	1,160.00	1,097.35	0.00	44.40	172.21	877.63	6,427.45	6,548.08	6,503.87	44.21	148.098	
1,200.00	1,196.92	1,259.57	1,196.92	0.00	48.38	172.22	877.63	6,427.45	6,557.21	6,509.03	48.18	136.096	
1,300.00	1,296.49	1,359.14	1,296.49	0.00	52.37	172.23	877.63	6,427.45	6,566.35	6,514.20	52.15	125.920	
1,400.00	1,396.07	1,458.72	1,396.07	0.00	56.35	172.24	877.63	6,427.45	6,575.48	6,519.36	56.11	117.182	
1,500.00	1,495.64	1,558.29	1,495.64	0.00	60.33	172.25	877.63	6,427.45	6,584.61	6,524.53	60.08	109.598	
1,600.00	1,595.22	1,657.87	1,595.22	0.00	64.31	172.26	877.63	6,427.45	6,593.74	6,529.70	64.05	102.953	
1,700.00	1,694.79	1,757.44	1,694.79	0.00	68.30	172.28	877.63	6,427.45	6,602.88	6,534.87	68.01	97.083	
1,800.00	1,794.37	1,857.02	1,794.37	0.00	72.28	172.29	877.63	6,427.45	6,612.01	6,540.03	71.98	91.861	
1,900.00	1,893.94	1,956.59	1,893.94	0.00	76.26	172.30	877.63	6,427.45	6,621.15	6,545.20	75.95	87.183	
2,000.00	1,993.51	2,056.16	1,993.51	0.00	80.25	172.31	877.63	6,427.45	6,630.28	6,550.37	79.91	82.970	
2,100.00	2,093.09	2,155.74	2,093.09	0.00	84.23	172.32	877.63	6,427.45	6,639.42	6,555.54	83.88	79.156	
2,200.00	2,192.66	2,255.31	2,192.66	0.00	88.21	172.33	877.63	6,427.45	6,648.55	6,560.71	87.84	75.686	
2,300.00	2,292.24	2,354.89	2,292.24	0.00	92.20	172.34	877.63	6,427.45	6,657.69	6,565.88	91.81	72.516	
2,400.00	2,391.81	2,454.46	2,391.81	0.00	96.18	172.35	877.63	6,427.45	6,666.82	6,571.04	95.78	69.608	
2,500.00	2,491.39	2,554.04	2,491.39	0.00	100.16	172.36	877.63	6,427.45	6,675.96	6,576.21	99.74	66.932	
2,600.00	2,590.96	2,653.61	2,590.96	0.00	104.14	172.37	877.63	6,427.45	6,685.09	6,581.38	103.71	64.460	
2,700.00	2,690.53	2,753.18	2,690.53	0.00	108.13	172.38	877.63	6,427.45	6,694.23	6,586.55	107.68	62.170	
2,800.00	2,790.11	2,852.76	2,790.11	0.00	112.11	172.39	877.63	6,427.45	6,703.36	6,591.72	111.64	60.044	
2,900.00	2,889.68	2,952.33	2,889.68	0.00	116.09	172.40	877.63	6,427.45	6,712.50	6,596.89	115.61	58.063	
3,000.00	2,989.26	3,051.91	2,989.26	0.00	120.08	172.41	877.63	6,427.45	6,721.64	6,602.06	119.57	56.213	
3,100.00	3,088.83	3,151.48	3,088.83	0.00	124.06	172.42	877.63	6,427.45	6,730.77	6,607.23	123.54	54.482	
3,200.00	3,188.41	3,251.06	3,188.41	0.00	128.04	172.43	877.63	6,427.45	6,739.91	6,612.40	127.51	52.859	
3,300.00	3,287.98	3,350.63	3,287.98	0.00	132.03	172.44	877.63	6,427.45	6,749.05	6,617.58	131.47	51.334	
3,400.00	3,387.56	3,450.21	3,387.56	0.00	136.01	172.45	877.63	6,427.45	6,758.19	6,622.75	135.44	49.898	
3,500.00	3,487.13	3,549.78	3,487.13	0.00	139.99	172.46	877.63	6,427.45	6,767.32	6,627.92	139.41	48.544	
3,600.00	3,586.70	3,649.35	3,586.70	0.00	143.97	172.47	877.63	6,427.45	6,776.46	6,633.09	143.37	47.265	
3,700.00	3,686.28	3,748.93	3,686.28	0.00	147.96	172.48	877.63	6,427.45	6,785.60	6,638.26	147.34	46.055	
3,800.00	3,785.85	3,848.50	3,785.85	0.00	151.94	172.49	877.63	6,427.45	6,794.74	6,643.43	151.30	44.908	
3,900.00	3,885.43	3,948.08	3,885.43	0.00	155.92	172.50	877.63	6,427.45	6,803.88	6,648.61	155.27	43.819	
4,000.00	3,985.00	4,047.65	3,985.00	0.00	159.91	172.51	877.63	6,427.45	6,813.02	6,653.78	159.24	42.785	
4,100.00	4,084.58	4,147.23	4,084.58	0.00	163.89	172.52	877.63	6,427.45	6,822.15	6,658.95	163.20	41.802	
4,200.00	4,184.15	4,246.80	4,184.15	0.00	167.87	172.53	877.63	6,427.45	6,831.29	6,664.12	167.17	40.864	
4,300.00	4,283.72	4,346.37	4,283.72	0.00	171.85	172.54	877.63	6,427.45	6,840.43	6,669.30	171.14	39.971	
4,400.00	4,383.30	4,445.95	4,383.30	0.00	175.84	172.55	877.63	6,427.45	6,849.57	6,674.47	175.10	39.118	
4,500.00	4,482.87	4,545.52	4,482.87	0.00	179.82	172.56	877.63	6,427.45	6,858.71	6,679.64	179.07	38.302	
4,600.00	4,582.45	4,645.10	4,582.45	0.00	183.80	172.57	877.63	6,427.45	6,867.85	6,684.82	183.03	37.522	
4,700.00	4,682.02	4,744.67	4,682.02	0.00	187.79	172.58	877.63	6,427.45	6,876.99	6,689.99	187.00	36.775	
4,800.00	4,781.60	4,844.25	4,781.60	0.00	191.77	172.59	877.63	6,427.45	6,886.13	6,695.17	190.97	36.059	
4,900.00	4,881.17	4,943.82	4,881.17	0.00	195.75	172.60	877.63	6,427.45	6,895.27	6,700.34	194.93	35.372	
5,000.00	4,980.74	5,043.39	4,980.74	0.00	199.74	172.61	877.63	6,427.45	6,904.41	6,705.52	198.90	34.713	
5,100.00	5,080.32	5,142.97	5,080.32	0.00	203.72	172.62	877.63	6,427.45	6,913.56	6,710.69	202.87	34.079	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 322M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,242.54	5,179.89	0.00	207.70	172.63	877.63	6,427.45	6,922.70	6,715.86	206.83	33.470	
5,300.00	5,279.47	5,342.12	5,279.47	0.00	211.68	172.64	877.63	6,427.45	6,931.84	6,721.04	210.80	32.884	
5,400.00	5,379.04	5,441.69	5,379.04	0.00	215.67	172.65	877.63	6,427.45	6,940.98	6,726.22	214.76	32.319	
5,500.00	5,478.62	5,541.27	5,478.62	0.00	219.65	172.66	877.63	6,427.45	6,950.12	6,731.39	218.73	31.775	
5,600.00	5,578.19	5,640.84	5,578.19	0.00	223.63	172.67	877.63	6,427.45	6,959.26	6,736.57	222.70	31.250	
5,700.00	5,677.77	5,740.42	5,677.77	0.00	227.62	172.68	877.63	6,427.45	6,968.41	6,741.74	226.66	30.743	
5,800.00	5,777.34	5,839.99	5,777.34	0.00	231.60	172.69	877.63	6,427.45	6,977.55	6,746.92	230.63	30.254	
5,900.00	5,876.91	5,939.56	5,876.91	0.00	235.58	172.70	877.63	6,427.45	6,986.69	6,752.10	234.60	29.782	
6,000.00	5,976.49	6,039.14	5,976.49	0.00	239.57	172.71	877.63	6,427.45	6,995.83	6,757.27	238.56	29.325	
6,100.00	6,076.06	6,138.71	6,076.06	0.00	243.55	172.72	877.63	6,427.45	7,004.98	6,762.45	242.53	28.883	
6,200.00	6,175.64	6,238.29	6,175.64	0.00	247.53	172.73	877.63	6,427.45	7,014.12	6,767.63	246.49	28.455	
6,300.00	6,275.24	6,337.89	6,275.24	0.00	251.52	172.75	877.63	6,427.45	7,023.00	6,772.24	250.75	28.008	
6,400.00	6,375.04	6,437.69	6,375.04	0.00	255.51	172.77	877.63	6,427.45	7,029.05	6,773.78	255.27	27.536	
6,500.00	6,475.00	6,537.65	6,475.00	0.00	259.51	172.78	877.63	6,427.45	7,031.65	6,772.15	259.50	27.097	
6,600.00	6,575.00	6,637.65	6,575.00	0.00	263.51	82.83	877.63	6,427.45	7,031.76	6,768.25	263.51	26.685	
6,700.00	6,675.00	6,737.65	6,675.00	0.00	267.51	82.83	877.63	6,427.45	7,031.76	6,764.25	267.51	26.286	
6,800.00	6,775.00	6,837.65	6,775.00	0.00	271.51	82.83	877.63	6,427.45	7,031.76	6,760.25	271.51	25.899	
6,900.00	6,875.00	6,937.65	6,875.00	0.00	275.51	82.83	877.63	6,427.45	7,031.76	6,756.25	275.51	25.523	
7,000.00	6,975.00	7,037.65	6,975.00	0.00	279.51	82.83	877.63	6,427.45	7,031.76	6,752.25	279.51	25.158	
7,100.00	7,075.00	7,137.65	7,075.00	0.00	283.51	82.83	877.63	6,427.45	7,031.76	6,748.25	283.51	24.803	
7,200.00	7,175.00	7,237.65	7,175.00	0.00	287.51	82.83	877.63	6,427.45	7,031.76	6,744.25	287.51	24.458	
7,300.00	7,275.00	7,337.65	7,275.00	0.00	291.51	82.83	877.63	6,427.45	7,031.76	6,740.25	291.51	24.122	
7,400.00	7,375.00	7,437.65	7,375.00	0.00	295.51	82.83	877.63	6,427.45	7,031.76	6,736.25	295.51	23.796	
7,500.00	7,475.00	7,537.65	7,475.00	0.00	299.51	82.83	877.63	6,427.45	7,031.76	6,732.25	299.51	23.478	
7,600.00	7,575.00	7,637.65	7,575.00	0.00	303.51	82.83	877.63	6,427.45	7,031.76	6,728.25	303.51	23.168	
7,700.00	7,675.00	7,737.65	7,675.00	0.00	307.51	82.83	877.63	6,427.45	7,031.76	6,724.25	307.51	22.867	
7,800.00	7,775.00	7,837.65	7,775.00	0.00	311.51	82.83	877.63	6,427.45	7,031.76	6,720.25	311.51	22.573	
7,900.00	7,875.00	7,937.65	7,875.00	0.00	315.51	82.83	877.63	6,427.45	7,031.76	6,716.25	315.51	22.287	
8,000.00	7,975.00	8,037.65	7,975.00	0.00	319.51	82.83	877.63	6,427.45	7,031.76	6,712.25	319.51	22.008	
8,100.00	8,075.00	8,137.65	8,075.00	0.00	323.51	82.83	877.63	6,427.45	7,031.76	6,708.25	323.51	21.736	
8,200.00	8,175.00	8,237.65	8,175.00	0.00	327.51	82.83	877.63	6,427.45	7,031.76	6,704.25	327.51	21.471	
8,300.00	8,275.00	8,260.00	8,197.35	0.00	328.40	82.83	877.63	6,427.45	7,032.19	6,703.79	328.40	21.413	SF
8,400.00	8,375.00	8,260.00	8,197.35	0.00	328.40	82.83	877.63	6,427.45	7,034.00	6,705.60	328.40	21.419	
8,475.00	8,450.00	8,260.00	8,197.35	0.00	328.40	82.83	877.63	6,427.45	7,036.29	6,707.89	328.40	21.426	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	12.66	0.00	0.00	0.25	18.89	2,896.37	991.36	3,061.33				
100.00	100.00	112.66	100.00	0.00	2.51	18.89	2,896.37	991.36	3,061.33	3,058.83	2.51	1,221.308	
200.00	200.00	212.66	200.00	0.00	6.51	18.89	2,896.37	991.36	3,061.33	3,054.83	6.51	470.496	
300.00	300.00	312.66	300.00	0.00	10.51	18.89	2,896.37	991.36	3,061.33	3,050.83	10.51	291.372	CC
400.00	399.98	412.64	399.98	0.00	14.51	108.86	2,896.37	991.36	3,061.90	3,047.39	14.50	211.094	
500.00	499.84	512.50	499.84	0.00	18.50	108.92	2,896.37	991.36	3,063.59	3,045.10	18.50	165.641	
600.00	599.47	612.13	599.47	0.00	22.49	109.04	2,896.37	991.36	3,066.36	3,043.89	22.48	136.432	
700.00	699.05	711.71	699.05	0.00	26.47	109.20	2,896.37	991.36	3,069.39	3,042.94	26.46	116.017	
800.00	798.62	811.28	798.62	0.00	30.45	109.36	2,896.37	991.36	3,072.45	3,042.01	30.44	100.944	
900.00	898.20	910.86	898.20	0.00	34.43	109.52	2,896.37	991.36	3,075.53	3,041.11	34.42	89.358	
1,000.00	997.77	1,010.43	997.77	0.00	38.42	109.68	2,896.37	991.36	3,078.63	3,040.23	38.40	80.175	
1,100.00	1,097.35	1,110.01	1,097.35	0.00	42.40	109.84	2,896.37	991.36	3,081.76	3,039.38	42.38	72.718	
1,200.00	1,196.92	1,209.58	1,196.92	0.00	46.38	110.01	2,896.37	991.36	3,084.91	3,038.55	46.36	66.542	
1,300.00	1,296.49	1,309.15	1,296.49	0.00	50.37	110.17	2,896.37	991.36	3,088.09	3,037.75	50.34	61.344	
1,400.00	1,396.07	1,408.73	1,396.07	0.00	54.35	110.32	2,896.37	991.36	3,091.29	3,036.97	54.32	56.907	
1,500.00	1,495.64	1,508.30	1,495.64	0.00	58.33	110.48	2,896.37	991.36	3,094.52	3,036.22	58.30	53.077	
1,600.00	1,595.22	1,607.88	1,595.22	0.00	62.32	110.64	2,896.37	991.36	3,097.77	3,035.48	62.28	49.737	
1,700.00	1,694.79	1,707.45	1,694.79	0.00	66.30	110.80	2,896.37	991.36	3,101.04	3,034.78	66.26	46.799	
1,800.00	1,794.37	1,807.03	1,794.37	0.00	70.28	110.96	2,896.37	991.36	3,104.34	3,034.10	70.24	44.194	
1,900.00	1,893.94	1,906.60	1,893.94	0.00	74.26	111.12	2,896.37	991.36	3,107.66	3,033.44	74.22	41.869	
2,000.00	1,993.51	2,006.17	1,993.51	0.00	78.25	111.28	2,896.37	991.36	3,111.00	3,032.80	78.20	39.781	
2,100.00	2,093.09	2,105.75	2,093.09	0.00	82.23	111.43	2,896.37	991.36	3,114.37	3,032.19	82.18	37.895	
2,200.00	2,192.66	2,205.32	2,192.66	0.00	86.21	111.59	2,896.37	991.36	3,117.77	3,031.60	86.16	36.184	
2,300.00	2,292.24	2,304.90	2,292.24	0.00	90.20	111.75	2,896.37	991.36	3,121.18	3,031.04	90.14	34.625	
2,400.00	2,391.81	2,404.47	2,391.81	0.00	94.18	111.90	2,896.37	991.36	3,124.62	3,030.50	94.12	33.197	
2,500.00	2,491.39	2,504.05	2,491.39	0.00	98.16	112.06	2,896.37	991.36	3,128.08	3,029.98	98.10	31.886	
2,600.00	2,590.96	2,603.62	2,590.96	0.00	102.14	112.22	2,896.37	991.36	3,131.57	3,029.49	102.08	30.677	
2,700.00	2,690.53	2,703.19	2,690.53	0.00	106.13	112.37	2,896.37	991.36	3,135.08	3,029.02	106.06	29.559	
2,800.00	2,790.11	2,802.77	2,790.11	0.00	110.11	112.53	2,896.37	991.36	3,138.61	3,028.57	110.04	28.522	
2,900.00	2,889.68	2,902.34	2,889.68	0.00	114.09	112.68	2,896.37	991.36	3,142.17	3,028.14	114.02	27.558	
3,000.00	2,989.26	3,001.92	2,989.26	0.00	118.08	112.84	2,896.37	991.36	3,145.74	3,027.74	118.00	26.659	
3,100.00	3,088.83	3,101.49	3,088.83	0.00	122.06	112.99	2,896.37	991.36	3,149.35	3,027.37	121.98	25.818	
3,200.00	3,188.41	3,201.07	3,188.41	0.00	126.04	113.14	2,896.37	991.36	3,152.97	3,027.01	125.96	25.031	
3,300.00	3,287.98	3,300.64	3,287.98	0.00	130.03	113.30	2,896.37	991.36	3,156.62	3,026.68	129.94	24.293	
3,400.00	3,387.56	3,400.22	3,387.56	0.00	134.01	113.45	2,896.37	991.36	3,160.29	3,026.37	133.92	23.599	
3,500.00	3,487.13	3,499.79	3,487.13	0.00	137.99	113.60	2,896.37	991.36	3,163.98	3,026.08	137.90	22.944	
3,600.00	3,586.70	3,599.36	3,586.70	0.00	141.97	113.75	2,896.37	991.36	3,167.69	3,025.82	141.88	22.327	
3,700.00	3,686.28	3,698.94	3,686.28	0.00	145.96	113.91	2,896.37	991.36	3,171.43	3,025.57	145.86	21.744	
3,800.00	3,785.85	3,798.51	3,785.85	0.00	149.94	114.06	2,896.37	991.36	3,175.19	3,025.36	149.83	21.191	
3,900.00	3,885.43	3,898.09	3,885.43	0.00	153.92	114.21	2,896.37	991.36	3,178.97	3,025.16	153.81	20.668	
4,000.00	3,985.00	3,997.66	3,985.00	0.00	157.91	114.36	2,896.37	991.36	3,182.78	3,024.98	157.79	20.171	
4,100.00	4,084.58	4,097.24	4,084.58	0.00	161.89	114.51	2,896.37	991.36	3,186.60	3,024.83	161.77	19.698	
4,200.00	4,184.15	4,196.81	4,184.15	0.00	165.87	114.66	2,896.37	991.36	3,190.45	3,024.70	165.75	19.249	
4,300.00	4,283.72	4,296.38	4,283.72	0.00	169.86	114.81	2,896.37	991.36	3,194.32	3,024.59	169.73	18.820	
4,400.00	4,383.30	4,395.96	4,383.30	0.00	173.84	114.96	2,896.37	991.36	3,198.21	3,024.50	173.71	18.412	
4,500.00	4,482.87	4,495.53	4,482.87	0.00	177.82	115.11	2,896.37	991.36	3,202.13	3,024.44	177.69	18.021	
4,600.00	4,582.45	4,595.11	4,582.45	0.00	181.80	115.26	2,896.37	991.36	3,206.06	3,024.40	181.66	17.648	
4,700.00	4,682.02	4,694.68	4,682.02	0.00	185.79	115.40	2,896.37	991.36	3,210.02	3,024.38	185.64	17.291	ES
4,800.00	4,781.60	4,794.26	4,781.60	0.00	189.77	115.55	2,896.37	991.36	3,214.00	3,024.38	189.62	16.950	
4,900.00	4,881.17	4,893.83	4,881.17	0.00	193.75	115.70	2,896.37	991.36	3,218.00	3,024.40	193.60	16.622	
5,000.00	4,980.74	4,993.40	4,980.74	0.00	197.74	115.85	2,896.37	991.36	3,222.02	3,024.44	197.58	16.308	
5,100.00	5,080.32	5,092.98	5,080.32	0.00	201.72	115.99	2,896.37	991.36	3,226.06	3,024.51	201.55	16.006	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 33 - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,192.55	5,179.89	0.00	205.70	116.14	2,896.37	991.36	3,230.12	3,024.59	205.53	15.716	
5,300.00	5,279.47	5,292.13	5,279.47	0.00	209.69	116.29	2,896.37	991.36	3,234.21	3,024.70	209.51	15.437	
5,400.00	5,379.04	5,391.70	5,379.04	0.00	213.67	116.43	2,896.37	991.36	3,238.32	3,024.83	213.49	15.169	
5,500.00	5,478.62	5,491.28	5,478.62	0.00	217.65	116.58	2,896.37	991.36	3,242.44	3,024.98	217.47	14.910	
5,600.00	5,578.19	5,590.85	5,578.19	0.00	221.63	116.72	2,896.37	991.36	3,246.59	3,025.15	221.44	14.661	
5,700.00	5,677.77	5,690.43	5,677.77	0.00	225.62	116.87	2,896.37	991.36	3,250.76	3,025.34	225.42	14.421	
5,800.00	5,777.34	5,790.00	5,777.34	0.00	229.60	117.01	2,896.37	991.36	3,254.95	3,025.55	229.40	14.189	
5,900.00	5,876.91	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,259.16	3,025.97	233.19	13.976	SF
6,000.00	5,976.49	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,265.05	3,031.86	233.19	14.001	
6,100.00	6,076.06	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,273.99	3,040.79	233.19	14.040	
6,200.00	6,175.64	5,885.00	5,872.34	0.00	233.40	117.15	2,896.37	991.36	3,285.94	3,052.75	233.19	14.091	
6,300.00	6,275.24	5,885.00	5,872.34	0.00	233.40	117.26	2,896.37	991.36	3,300.76	3,067.51	233.25	14.151	
6,400.00	6,375.04	5,885.00	5,872.34	0.00	233.40	117.56	2,896.37	991.36	3,317.25	3,083.89	233.35	14.216	
6,500.00	6,475.00	5,885.00	5,872.34	0.00	233.40	117.88	2,896.37	991.36	3,335.07	3,101.67	233.40	14.289	
6,600.00	6,575.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,354.63	3,121.23	233.40	14.373	
6,700.00	6,675.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,376.99	3,143.59	233.40	14.469	
6,800.00	6,775.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,402.15	3,168.75	233.40	14.576	
6,900.00	6,875.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,430.03	3,196.63	233.40	14.696	
7,000.00	6,975.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,460.59	3,227.19	233.40	14.827	
7,100.00	7,075.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,493.74	3,260.34	233.40	14.969	
7,200.00	7,175.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,529.41	3,296.01	233.40	15.122	
7,300.00	7,275.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,567.53	3,334.13	233.40	15.285	
7,400.00	7,375.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,608.02	3,374.62	233.40	15.459	
7,500.00	7,475.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,650.80	3,417.40	233.40	15.642	
7,600.00	7,575.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,695.79	3,462.39	233.40	15.835	
7,700.00	7,675.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,742.91	3,509.51	233.40	16.036	
7,800.00	7,775.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,792.09	3,558.69	233.40	16.247	
7,900.00	7,875.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,843.24	3,609.84	233.40	16.466	
8,000.00	7,975.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,896.28	3,662.88	233.40	16.694	
8,100.00	8,075.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	3,951.14	3,717.74	233.40	16.929	
8,200.00	8,175.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	4,007.75	3,774.35	233.40	17.171	
8,300.00	8,275.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	4,066.03	3,832.63	233.40	17.421	
8,400.00	8,375.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	4,125.91	3,892.51	233.40	17.677	
8,475.00	8,450.00	5,885.00	5,872.34	0.00	233.40	28.02	2,896.37	991.36	4,171.83	3,938.43	233.40	17.874	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	9.63	0.00	0.00	0.19	63.03	2,876.78	5,653.35	6,343.20				
100.00	100.00	109.63	100.00	0.00	2.39	63.03	2,876.78	5,653.35	6,343.20	6,340.82	2.39	2,659.178	
200.00	200.00	209.63	200.00	0.00	6.39	63.03	2,876.78	5,653.35	6,343.20	6,336.82	6.39	993.392	
300.00	300.00	309.63	300.00	0.00	10.39	63.03	2,876.78	5,653.35	6,343.20	6,332.82	10.39	610.781	CC
400.00	399.98	409.61	399.98	0.00	14.38	152.97	2,876.78	5,653.35	6,344.76	6,330.38	14.38	441.294	ES
500.00	499.84	509.47	499.84	0.00	18.38	152.95	2,876.78	5,653.35	6,349.42	6,331.08	18.34	346.142	
600.00	599.47	609.10	599.47	0.00	22.36	152.94	2,876.78	5,653.35	6,356.99	6,334.70	22.29	285.209	
700.00	699.05	708.68	699.05	0.00	26.35	152.98	2,876.78	5,653.35	6,365.21	6,338.95	26.26	242.407	
800.00	798.62	808.25	798.62	0.00	30.33	153.01	2,876.78	5,653.35	6,373.43	6,343.20	30.23	210.846	
900.00	898.20	907.83	898.20	0.00	34.31	153.05	2,876.78	5,653.35	6,381.65	6,347.45	34.20	186.613	
1,000.00	997.77	1,007.40	997.77	0.00	38.30	153.09	2,876.78	5,653.35	6,389.87	6,351.71	38.17	167.420	
1,100.00	1,097.35	1,106.98	1,097.35	0.00	42.28	153.13	2,876.78	5,653.35	6,398.10	6,355.96	42.14	151.844	
1,200.00	1,196.92	1,206.55	1,196.92	0.00	46.26	153.16	2,876.78	5,653.35	6,406.33	6,360.23	46.11	138.949	
1,300.00	1,296.49	1,306.12	1,296.49	0.00	50.24	153.20	2,876.78	5,653.35	6,414.56	6,364.49	50.07	128.100	
1,400.00	1,396.07	1,405.70	1,396.07	0.00	54.23	153.24	2,876.78	5,653.35	6,422.80	6,368.75	54.04	118.843	
1,500.00	1,495.64	1,505.27	1,495.64	0.00	58.21	153.28	2,876.78	5,653.35	6,431.04	6,373.02	58.01	110.854	
1,600.00	1,595.22	1,604.85	1,595.22	0.00	62.19	153.31	2,876.78	5,653.35	6,439.28	6,377.29	61.98	103.888	
1,700.00	1,694.79	1,704.42	1,694.79	0.00	66.18	153.35	2,876.78	5,653.35	6,447.52	6,381.57	65.95	97.761	
1,800.00	1,794.37	1,804.00	1,794.37	0.00	70.16	153.39	2,876.78	5,653.35	6,455.77	6,385.84	69.92	92.329	
1,900.00	1,893.94	1,903.57	1,893.94	0.00	74.14	153.42	2,876.78	5,653.35	6,464.01	6,390.12	73.89	87.481	
2,000.00	1,993.51	2,003.14	1,993.51	0.00	78.13	153.46	2,876.78	5,653.35	6,472.27	6,394.41	77.86	83.127	
2,100.00	2,093.09	2,102.72	2,093.09	0.00	82.11	153.49	2,876.78	5,653.35	6,480.52	6,398.69	81.83	79.196	
2,200.00	2,192.66	2,202.29	2,192.66	0.00	86.09	153.53	2,876.78	5,653.35	6,488.78	6,402.98	85.80	75.628	
2,300.00	2,292.24	2,301.87	2,292.24	0.00	90.07	153.57	2,876.78	5,653.35	6,497.03	6,407.27	89.77	72.376	
2,400.00	2,391.81	2,401.44	2,391.81	0.00	94.06	153.60	2,876.78	5,653.35	6,505.30	6,411.56	93.74	69.400	
2,500.00	2,491.39	2,501.02	2,491.39	0.00	98.04	153.64	2,876.78	5,653.35	6,513.56	6,415.85	97.71	66.665	
2,600.00	2,590.96	2,600.59	2,590.96	0.00	102.02	153.68	2,876.78	5,653.35	6,521.83	6,420.15	101.68	64.144	
2,700.00	2,690.53	2,700.16	2,690.53	0.00	106.01	153.71	2,876.78	5,653.35	6,530.10	6,424.45	105.64	61.812	
2,800.00	2,790.11	2,799.74	2,790.11	0.00	109.99	153.75	2,876.78	5,653.35	6,538.37	6,428.75	109.61	59.649	
2,900.00	2,889.68	2,899.31	2,889.68	0.00	113.97	153.78	2,876.78	5,653.35	6,546.64	6,433.06	113.58	57.638	
3,000.00	2,989.26	2,998.89	2,989.26	0.00	117.96	153.82	2,876.78	5,653.35	6,554.92	6,437.37	117.55	55.762	
3,100.00	3,088.83	3,098.46	3,088.83	0.00	121.94	153.85	2,876.78	5,653.35	6,563.20	6,441.68	121.52	54.009	
3,200.00	3,188.41	3,198.04	3,188.41	0.00	125.92	153.89	2,876.78	5,653.35	6,571.48	6,445.99	125.49	52.367	
3,300.00	3,287.98	3,297.61	3,287.98	0.00	129.90	153.92	2,876.78	5,653.35	6,579.76	6,450.31	129.46	50.825	
3,400.00	3,387.56	3,397.19	3,387.56	0.00	133.89	153.96	2,876.78	5,653.35	6,588.05	6,454.62	133.43	49.375	
3,500.00	3,487.13	3,496.76	3,487.13	0.00	137.87	153.99	2,876.78	5,653.35	6,596.34	6,458.94	137.40	48.009	
3,600.00	3,586.70	3,596.33	3,586.70	0.00	141.85	154.03	2,876.78	5,653.35	6,604.63	6,463.27	141.37	46.720	
3,700.00	3,686.28	3,695.91	3,686.28	0.00	145.84	154.06	2,876.78	5,653.35	6,612.93	6,467.59	145.33	45.501	
3,800.00	3,785.85	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,621.71	6,475.62	146.10	45.324	SF
3,900.00	3,885.43	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,631.97	6,485.87	146.10	45.395	
4,000.00	3,985.00	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,643.71	6,497.61	146.10	45.475	
4,100.00	4,084.58	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,656.94	6,510.84	146.10	45.566	
4,200.00	4,184.15	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,671.63	6,525.54	146.10	45.666	
4,300.00	4,283.72	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,687.80	6,541.70	146.10	45.777	
4,400.00	4,383.30	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,705.41	6,559.31	146.10	45.897	
4,500.00	4,482.87	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,724.46	6,578.37	146.10	46.028	
4,600.00	4,582.45	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,744.95	6,598.85	146.10	46.168	
4,700.00	4,682.02	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,766.85	6,620.75	146.10	46.318	
4,800.00	4,781.60	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,790.15	6,644.06	146.10	46.477	
4,900.00	4,881.17	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,814.84	6,668.75	146.10	46.646	
5,000.00	4,980.74	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,840.90	6,694.81	146.10	46.825	
5,100.00	5,080.32	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,868.32	6,722.23	146.10	47.012	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 400 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,897.09	6,750.99	146.10	47.209	
5,300.00	5,279.47	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,927.17	6,781.08	146.10	47.415	
5,400.00	5,379.04	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,958.56	6,812.47	146.10	47.630	
5,500.00	5,478.62	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	6,991.25	6,845.15	146.10	47.854	
5,600.00	5,578.19	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,025.20	6,879.10	146.10	48.086	
5,700.00	5,677.77	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,060.41	6,914.31	146.10	48.327	
5,800.00	5,777.34	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,096.85	6,950.75	146.10	48.577	
5,900.00	5,876.91	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,134.51	6,988.41	146.10	48.834	
6,000.00	5,976.49	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,173.36	7,027.26	146.10	49.100	
6,100.00	6,076.06	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,213.39	7,067.29	146.10	49.374	
6,200.00	6,175.64	3,715.00	3,705.37	0.00	146.60	154.07	2,876.78	5,653.35	7,254.58	7,108.48	146.10	49.656	
6,300.00	6,275.24	3,715.00	3,705.37	0.00	146.60	154.23	2,876.78	5,653.35	7,296.68	7,150.45	146.23	49.897	
6,400.00	6,375.04	3,715.00	3,705.37	0.00	146.60	154.62	2,876.78	5,653.35	7,337.59	7,191.10	146.49	50.091	
6,500.00	6,475.00	3,715.00	3,705.37	0.00	146.60	154.98	2,876.78	5,653.35	7,376.74	7,230.15	146.60	50.320	
6,600.00	6,575.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,414.96	7,268.36	146.60	50.579	
6,700.00	6,675.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,454.23	7,307.63	146.60	50.847	
6,800.00	6,775.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,494.63	7,348.03	146.60	51.123	
6,900.00	6,875.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,536.14	7,389.54	146.60	51.406	
7,000.00	6,975.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,578.74	7,432.14	146.60	51.697	
7,100.00	7,075.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,622.42	7,475.82	146.60	51.995	
7,200.00	7,175.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,667.15	7,520.55	146.60	52.300	
7,300.00	7,275.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,712.92	7,566.32	146.60	52.612	
7,400.00	7,375.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,759.70	7,613.10	146.60	52.931	
7,500.00	7,475.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,807.49	7,660.89	146.60	53.257	
7,600.00	7,575.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,856.26	7,709.66	146.60	53.590	
7,700.00	7,675.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,906.00	7,759.40	146.60	53.929	
7,800.00	7,775.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	7,956.68	7,810.08	146.60	54.275	
7,900.00	7,875.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,008.29	7,861.69	146.60	54.627	
8,000.00	7,975.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,060.80	7,914.20	146.60	54.985	
8,100.00	8,075.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,114.22	7,967.62	146.60	55.349	
8,200.00	8,175.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,168.50	8,021.90	146.60	55.720	
8,300.00	8,275.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,223.65	8,077.05	146.60	56.096	
8,400.00	8,375.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,279.63	8,133.03	146.60	56.478	
8,475.00	8,450.00	3,715.00	3,705.37	0.00	146.60	65.12	2,876.78	5,653.35	8,322.16	8,175.56	146.60	56.768	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	96.42	0.00	0.00	85.11	737.94	8,623.18	8,655.23				
100.00	100.00	3.58	100.00	0.00	0.07	85.11	737.94	8,623.18	8,654.70				
200.00	200.00	103.58	200.00	0.00	2.14	85.11	737.94	8,623.18	8,654.70	8,652.55	2.14	4,037.836	
300.00	300.00	203.58	300.00	0.00	6.14	85.11	737.94	8,623.18	8,654.70	8,648.55	6.14	1,408.780	CC
400.00	399.98	303.56	399.98	0.00	10.14	175.05	737.94	8,623.18	8,656.44	8,646.30	10.14	853.990	ES
500.00	499.84	403.42	499.84	0.00	14.14	175.05	737.94	8,623.18	8,661.65	8,647.55	14.10	614.183	
600.00	599.47	503.05	599.47	0.00	18.12	175.04	737.94	8,623.18	8,670.11	8,652.07	18.05	480.451	
700.00	699.05	602.63	699.05	0.00	22.11	175.05	737.94	8,623.18	8,679.30	8,657.28	22.01	394.300	
800.00	798.62	702.20	798.62	0.00	26.09	175.05	737.94	8,623.18	8,688.48	8,662.50	25.98	334.454	
900.00	898.20	801.78	898.20	0.00	30.07	175.06	737.94	8,623.18	8,697.66	8,667.72	29.94	290.462	
1,000.00	997.77	901.35	997.77	0.00	34.05	175.06	737.94	8,623.18	8,706.84	8,672.93	33.91	256.761	
1,100.00	1,097.35	1,000.93	1,097.35	0.00	38.04	175.07	737.94	8,623.18	8,716.03	8,678.15	37.88	230.117	
1,200.00	1,196.92	1,100.50	1,196.92	0.00	42.02	175.07	737.94	8,623.18	8,725.21	8,683.37	41.84	208.524	
1,300.00	1,296.49	1,200.07	1,296.49	0.00	46.00	175.08	737.94	8,623.18	8,734.39	8,688.58	45.81	190.671	
1,400.00	1,396.07	1,299.65	1,396.07	0.00	49.99	175.08	737.94	8,623.18	8,743.58	8,693.80	49.77	175.662	
1,500.00	1,495.64	1,399.22	1,495.64	0.00	53.97	175.09	737.94	8,623.18	8,752.76	8,699.02	53.74	162.869	
1,600.00	1,595.22	1,498.80	1,595.22	0.00	57.95	175.09	737.94	8,623.18	8,761.94	8,704.24	57.71	151.834	
1,700.00	1,694.79	1,598.37	1,694.79	0.00	61.93	175.10	737.94	8,623.18	8,771.13	8,709.45	61.67	142.219	
1,800.00	1,794.37	1,697.95	1,794.37	0.00	65.92	175.10	737.94	8,623.18	8,780.31	8,714.67	65.64	133.766	
1,900.00	1,893.94	1,797.52	1,893.94	0.00	69.90	175.11	737.94	8,623.18	8,789.49	8,719.89	69.61	126.276	
2,000.00	1,993.51	1,897.09	1,993.51	0.00	73.88	175.11	737.94	8,623.18	8,798.68	8,725.10	73.57	119.593	
2,100.00	2,093.09	1,996.67	2,093.09	0.00	77.87	175.12	737.94	8,623.18	8,807.86	8,730.32	77.54	113.594	
2,200.00	2,192.66	2,096.24	2,192.66	0.00	81.85	175.12	737.94	8,623.18	8,817.04	8,735.54	81.50	108.179	
2,300.00	2,292.24	2,195.82	2,292.24	0.00	85.83	175.13	737.94	8,623.18	8,826.23	8,740.76	85.47	103.267	
2,400.00	2,391.81	2,295.39	2,391.81	0.00	89.82	175.13	737.94	8,623.18	8,835.41	8,745.98	89.44	98.790	
2,500.00	2,491.39	2,394.97	2,491.39	0.00	93.80	175.14	737.94	8,623.18	8,844.60	8,751.19	93.40	94.693	
2,600.00	2,590.96	2,494.54	2,590.96	0.00	97.78	175.14	737.94	8,623.18	8,853.78	8,756.41	97.37	90.931	
2,700.00	2,690.53	2,594.11	2,690.53	0.00	101.76	175.15	737.94	8,623.18	8,862.96	8,761.63	101.33	87.462	
2,800.00	2,790.11	2,693.69	2,790.11	0.00	105.75	175.15	737.94	8,623.18	8,872.15	8,766.85	105.30	84.255	
2,900.00	2,889.68	2,793.26	2,889.68	0.00	109.73	175.16	737.94	8,623.18	8,881.33	8,772.06	109.27	81.281	
3,000.00	2,989.26	2,892.84	2,989.26	0.00	113.71	175.16	737.94	8,623.18	8,890.52	8,777.28	113.23	78.515	
3,100.00	3,088.83	2,992.41	3,088.83	0.00	117.70	175.17	737.94	8,623.18	8,899.70	8,782.50	117.20	75.936	
3,200.00	3,188.41	3,091.99	3,188.41	0.00	121.68	175.17	737.94	8,623.18	8,908.88	8,787.72	121.17	73.527	
3,300.00	3,287.98	3,191.56	3,287.98	0.00	125.66	175.18	737.94	8,623.18	8,918.07	8,792.94	125.13	71.270	
3,400.00	3,387.56	3,291.14	3,387.56	0.00	129.65	175.18	737.94	8,623.18	8,927.25	8,798.16	129.10	69.151	
3,500.00	3,487.13	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,936.44	8,803.73	132.72	67.335	SF
3,600.00	3,586.70	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,946.28	8,813.56	132.72	67.409	
3,700.00	3,686.28	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,957.22	8,824.50	132.72	67.491	
3,800.00	3,785.85	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,969.26	8,836.55	132.72	67.582	
3,900.00	3,885.43	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,982.40	8,849.69	132.72	67.681	
4,000.00	3,985.00	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	8,996.64	8,863.92	132.72	67.788	
4,100.00	4,084.58	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,011.95	8,879.24	132.72	67.904	
4,200.00	4,184.15	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,028.36	8,895.64	132.72	68.027	
4,300.00	4,283.72	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,045.83	8,913.12	132.72	68.159	
4,400.00	4,383.30	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,064.38	8,931.66	132.72	68.299	
4,500.00	4,482.87	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,083.99	8,951.27	132.72	68.446	
4,600.00	4,582.45	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,104.66	8,971.94	132.72	68.602	
4,700.00	4,682.02	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,126.37	8,993.66	132.72	68.766	
4,800.00	4,781.60	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,149.13	9,016.41	132.72	68.937	
4,900.00	4,881.17	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,172.92	9,040.20	132.72	69.116	
5,000.00	4,980.74	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,197.74	9,065.02	132.72	69.303	
5,100.00	5,080.32	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,223.57	9,090.85	132.72	69.498	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,250.41	9,117.69	132.72	69.700	
5,300.00	5,279.47	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,278.25	9,145.54	132.72	69.910	
5,400.00	5,379.04	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,307.09	9,174.37	132.72	70.127	
5,500.00	5,478.62	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,336.90	9,204.19	132.72	70.352	
5,600.00	5,578.19	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,367.69	9,234.98	132.72	70.584	
5,700.00	5,677.77	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,399.44	9,266.73	132.72	70.823	
5,800.00	5,777.34	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,432.15	9,299.43	132.72	71.070	
5,900.00	5,876.91	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,465.80	9,333.08	132.72	71.323	
6,000.00	5,976.49	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,500.38	9,367.66	132.72	71.584	
6,100.00	6,076.06	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,535.89	9,403.17	132.72	71.851	
6,200.00	6,175.64	3,382.00	3,478.42	0.00	133.28	175.19	737.94	8,623.18	9,572.30	9,439.59	132.72	72.126	
6,300.00	6,275.24	3,382.00	3,478.42	0.00	133.28	175.22	737.94	8,623.18	9,609.37	9,476.50	132.87	72.320	
6,400.00	6,375.04	3,382.00	3,478.42	0.00	133.28	175.28	737.94	8,623.18	9,644.70	9,511.55	133.15	72.433	
6,500.00	6,475.00	3,382.00	3,478.42	0.00	133.28	175.33	737.94	8,623.18	9,677.67	9,544.40	133.28	72.614	
6,600.00	6,575.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,709.20	9,575.92	133.28	72.848	
6,700.00	6,675.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,741.56	9,608.28	133.28	73.091	
6,800.00	6,775.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,774.83	9,641.55	133.28	73.340	
6,900.00	6,875.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,809.01	9,675.73	133.28	73.597	
7,000.00	6,975.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,844.08	9,710.80	133.28	73.860	
7,100.00	7,075.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,880.04	9,746.76	133.28	74.130	
7,200.00	7,175.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,916.88	9,783.60	133.28	74.406	
7,300.00	7,275.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,954.59	9,821.31	133.28	74.689	
7,400.00	7,375.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	9,993.16	9,859.88	133.28	74.979	
7,500.00	7,475.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,032.57	9,899.29	133.28	75.274	
7,600.00	7,575.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,072.83	9,939.55	133.28	75.576	
7,700.00	7,675.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,113.91	9,980.63	133.28	75.885	
7,800.00	7,775.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,155.81	10,022.53	133.28	76.199	
7,900.00	7,875.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,198.52	10,065.24	133.28	76.519	
8,000.00	7,975.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,242.03	10,108.75	133.28	76.846	
8,100.00	8,075.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,286.32	10,153.04	133.28	77.178	
8,200.00	8,175.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,331.39	10,198.11	133.28	77.516	
8,300.00	8,275.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,377.24	10,243.96	133.28	77.860	
8,400.00	8,375.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,423.84	10,290.56	133.28	78.210	
8,475.00	8,450.00	3,382.00	3,478.42	0.00	133.28	85.40	737.94	8,623.18	10,459.27	10,325.99	133.28	78.476	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	164.32	0.00	0.00	109.07	-2,560.28	7,404.48	7,836.35				
100.00	100.00	0.00	164.32	0.00	0.00	109.07	-2,560.28	7,404.48	7,834.89				
193.42	193.42	29.10	193.42	0.00	0.58	109.07	-2,560.28	7,404.48	7,834.63	7,834.04	0.58	N/A	
200.00	200.00	35.68	200.00	0.00	0.71	109.07	-2,560.28	7,404.48	7,834.63	7,833.91	0.71	N/A	
248.18	248.18	83.86	248.18	0.00	1.68	109.07	-2,560.28	7,404.48	7,834.63	7,832.95	1.68	4,670.843	CC
300.00	300.00	100.00	264.32	0.00	2.00	109.07	-2,560.28	7,404.48	7,834.71	7,832.71	2.00	3,916.961	ES, SF
400.00	399.98	100.00	264.32	0.00	2.00	-160.96	-2,560.28	7,404.48	7,837.45	7,835.45	2.00	3,920.467	
500.00	499.84	100.00	264.32	0.00	2.00	-160.92	-2,560.28	7,404.48	7,844.76	7,842.76	2.00	3,930.537	
600.00	599.47	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,856.41	7,854.42	1.99	3,942.787	
700.00	699.05	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,869.99	7,868.00	1.99	3,949.603	
800.00	798.62	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,884.81	7,882.82	1.99	3,957.043	
900.00	898.20	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,900.88	7,898.88	1.99	3,965.104	
1,000.00	997.77	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,918.17	7,916.18	1.99	3,973.783	
1,100.00	1,097.35	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,936.69	7,934.69	1.99	3,983.075	
1,200.00	1,196.92	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,956.42	7,954.42	1.99	3,992.977	
1,300.00	1,296.49	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,977.35	7,975.36	1.99	4,003.483	
1,400.00	1,396.07	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	7,999.48	7,997.49	1.99	4,014.589	
1,500.00	1,495.64	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,022.80	8,020.80	1.99	4,026.290	
1,600.00	1,595.22	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,047.29	8,045.29	1.99	4,038.581	
1,700.00	1,694.79	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,072.94	8,070.95	1.99	4,051.456	
1,800.00	1,794.37	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,099.75	8,097.76	1.99	4,064.910	
1,900.00	1,893.94	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,127.70	8,125.71	1.99	4,078.937	
2,000.00	1,993.51	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,156.78	8,154.79	1.99	4,093.532	
2,100.00	2,093.09	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,186.98	8,184.99	1.99	4,108.687	
2,200.00	2,192.66	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,218.29	8,216.29	1.99	4,124.398	
2,300.00	2,292.24	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,250.68	8,248.69	1.99	4,140.657	
2,400.00	2,391.81	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,284.16	8,282.17	1.99	4,157.459	
2,500.00	2,491.39	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,318.71	8,316.72	1.99	4,174.796	
2,600.00	2,590.96	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,354.31	8,352.32	1.99	4,192.662	
2,700.00	2,690.53	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,390.95	8,388.96	1.99	4,211.051	
2,800.00	2,790.11	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,428.62	8,426.63	1.99	4,229.955	
2,900.00	2,889.68	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,467.30	8,465.31	1.99	4,249.368	
3,000.00	2,989.26	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,506.98	8,504.99	1.99	4,269.282	
3,100.00	3,088.83	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,547.65	8,545.66	1.99	4,289.691	
3,200.00	3,188.41	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,589.29	8,587.30	1.99	4,310.588	
3,300.00	3,287.98	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,631.89	8,629.89	1.99	4,331.966	
3,400.00	3,387.56	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,675.43	8,673.43	1.99	4,353.817	
3,500.00	3,487.13	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,719.90	8,717.90	1.99	4,376.134	
3,600.00	3,586.70	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,765.28	8,763.29	1.99	4,398.911	
3,700.00	3,686.28	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,811.57	8,809.58	1.99	4,422.140	
3,800.00	3,785.85	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,858.74	8,856.75	1.99	4,445.814	
3,900.00	3,885.43	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,906.79	8,904.79	1.99	4,469.927	
4,000.00	3,985.00	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	8,955.69	8,953.70	1.99	4,494.470	
4,100.00	4,084.58	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,005.44	9,003.45	1.99	4,519.437	
4,200.00	4,184.15	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,056.02	9,054.03	1.99	4,544.822	
4,300.00	4,283.72	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,107.42	9,105.43	1.99	4,570.616	
4,400.00	4,383.30	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,159.62	9,157.63	1.99	4,596.814	
4,500.00	4,482.87	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,212.61	9,210.62	1.99	4,623.408	
4,600.00	4,582.45	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,266.38	9,264.39	1.99	4,650.391	
4,700.00	4,682.02	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,320.91	9,318.92	1.99	4,677.757	
4,800.00	4,781.60	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,376.19	9,374.20	1.99	4,705.500	
4,900.00	4,881.17	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,432.21	9,430.21	1.99	4,733.612	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 438A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.74	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,488.95	9,486.95	1.99	4,762.087	
5,100.00	5,080.32	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,546.40	9,544.40	1.99	4,790.918	
5,200.00	5,179.89	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,604.54	9,602.55	1.99	4,820.099	
5,300.00	5,279.47	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,663.37	9,661.38	1.99	4,849.624	
5,400.00	5,379.04	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,722.88	9,720.89	1.99	4,879.487	
5,500.00	5,478.62	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,783.04	9,781.05	1.99	4,909.681	
5,600.00	5,578.19	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,843.86	9,841.86	1.99	4,940.200	
5,700.00	5,677.77	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,905.30	9,903.31	1.99	4,971.039	
5,800.00	5,777.34	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	9,967.38	9,965.39	1.99	5,002.191	
5,900.00	5,876.91	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,030.06	10,028.07	1.99	5,033.650	
6,000.00	5,976.49	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,093.35	10,091.36	1.99	5,065.412	
6,100.00	6,076.06	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,157.23	10,155.24	1.99	5,097.469	
6,200.00	6,175.64	100.00	264.32	0.00	2.00	-160.87	-2,560.28	7,404.48	10,221.69	10,219.69	1.99	5,129.818	
6,300.00	6,275.24	100.00	264.32	0.00	2.00	-161.09	-2,560.28	7,404.48	10,286.52	10,284.52	1.99	5,156.968	
6,400.00	6,375.04	100.00	264.32	0.00	2.00	-161.61	-2,560.28	7,404.48	10,349.85	10,347.85	2.00	5,178.844	
6,500.00	6,475.00	100.00	264.32	0.00	2.00	-162.09	-2,560.28	7,404.48	10,411.18	10,409.18	2.00	5,205.248	
6,600.00	6,575.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,471.22	10,469.22	2.00	5,235.088	
6,700.00	6,675.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,531.79	10,529.79	2.00	5,265.370	
6,800.00	6,775.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,592.96	10,590.96	2.00	5,295.950	
6,900.00	6,875.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,654.71	10,652.71	2.00	5,326.824	
7,000.00	6,975.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,717.05	10,715.05	2.00	5,357.987	
7,100.00	7,075.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,779.94	10,777.94	2.00	5,389.433	
7,200.00	7,175.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,843.40	10,841.40	2.00	5,421.158	
7,300.00	7,275.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,907.41	10,905.40	2.00	5,453.157	
7,400.00	7,375.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	10,971.95	10,969.95	2.00	5,485.425	
7,500.00	7,475.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,037.02	11,035.02	2.00	5,517.957	
7,600.00	7,575.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,102.61	11,100.61	2.00	5,550.748	
7,700.00	7,675.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,168.71	11,166.71	2.00	5,583.795	
7,800.00	7,775.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,235.31	11,233.31	2.00	5,617.092	
7,900.00	7,875.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,302.40	11,300.40	2.00	5,650.636	
8,000.00	7,975.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,369.98	11,367.98	2.00	5,684.421	
8,100.00	8,075.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,438.03	11,436.03	2.00	5,718.444	
8,200.00	8,175.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,506.55	11,504.55	2.00	5,752.700	
8,300.00	8,275.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,575.53	11,573.53	2.00	5,787.185	
8,400.00	8,375.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,644.96	11,642.96	2.00	5,821.895	
8,475.00	8,450.00	100.00	264.32	0.00	2.00	107.85	-2,560.28	7,404.48	11,697.31	11,695.31	2.00	5,848.072	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	11.65	0.00	0.00	77.86	761.40	3,538.14	3,619.16				
100.00	100.00	88.35	100.00	0.00	1.77	77.86	761.40	3,538.14	3,619.14	3,617.37	1.77	2,047.924	
200.00	200.00	188.35	200.00	0.00	5.53	77.86	761.40	3,538.14	3,619.14	3,613.60	5.53	653.959	
300.00	300.00	288.35	300.00	0.00	9.53	77.86	761.40	3,538.14	3,619.14	3,609.60	9.53	379.595	CC
400.00	399.98	388.33	399.98	0.00	13.53	167.80	761.40	3,538.14	3,620.84	3,607.32	13.53	267.705	ES
500.00	499.84	488.19	499.84	0.00	17.53	167.79	761.40	3,538.14	3,625.96	3,608.47	17.49	207.353	
600.00	599.47	587.82	599.47	0.00	21.51	167.80	761.40	3,538.14	3,634.26	3,612.84	21.43	169.622	
700.00	699.05	687.40	699.05	0.00	25.50	167.83	761.40	3,538.14	3,643.28	3,617.88	25.39	143.479	
800.00	798.62	786.97	798.62	0.00	29.48	167.86	761.40	3,538.14	3,652.29	3,622.93	29.36	124.400	
900.00	898.20	886.55	898.20	0.00	33.46	167.89	761.40	3,538.14	3,661.30	3,627.97	33.33	109.863	
1,000.00	997.77	986.12	997.77	0.00	37.44	167.92	761.40	3,538.14	3,670.31	3,633.02	37.29	98.419	
1,100.00	1,097.35	1,085.70	1,097.35	0.00	41.43	167.95	761.40	3,538.14	3,679.33	3,638.07	41.26	89.176	
1,200.00	1,196.92	1,185.27	1,196.92	0.00	45.41	167.98	761.40	3,538.14	3,688.34	3,643.12	45.23	81.553	
1,300.00	1,296.49	1,284.84	1,296.49	0.00	49.39	168.01	761.40	3,538.14	3,697.36	3,648.17	49.19	75.161	
1,400.00	1,396.07	1,384.42	1,396.07	0.00	53.38	168.04	761.40	3,538.14	3,706.38	3,653.22	53.16	69.722	
1,500.00	1,495.64	1,483.99	1,495.64	0.00	57.36	168.07	761.40	3,538.14	3,715.40	3,658.27	57.13	65.038	
1,600.00	1,595.22	1,583.57	1,595.22	0.00	61.34	168.10	761.40	3,538.14	3,724.42	3,663.33	61.09	60.963	
1,700.00	1,694.79	1,683.14	1,694.79	0.00	65.33	168.13	761.40	3,538.14	3,733.44	3,668.38	65.06	57.385	
1,800.00	1,794.37	1,782.72	1,794.37	0.00	69.31	168.16	761.40	3,538.14	3,742.46	3,673.43	69.03	54.218	
1,900.00	1,893.94	1,882.29	1,893.94	0.00	73.29	168.19	761.40	3,538.14	3,751.48	3,678.49	72.99	51.395	
2,000.00	1,993.51	1,981.86	1,993.51	0.00	77.27	168.22	761.40	3,538.14	3,760.51	3,683.55	76.96	48.863	
2,100.00	2,093.09	2,081.44	2,093.09	0.00	81.26	168.25	761.40	3,538.14	3,769.53	3,688.61	80.93	46.580	
2,200.00	2,192.66	2,181.01	2,192.66	0.00	85.24	168.27	761.40	3,538.14	3,778.56	3,693.66	84.89	44.510	
2,300.00	2,292.24	2,280.59	2,292.24	0.00	89.22	168.30	761.40	3,538.14	3,787.58	3,698.72	88.86	42.624	
2,400.00	2,391.81	2,380.16	2,391.81	0.00	93.21	168.33	761.40	3,538.14	3,796.61	3,703.79	92.83	40.900	
2,500.00	2,491.39	2,479.74	2,491.39	0.00	97.19	168.36	761.40	3,538.14	3,805.64	3,708.85	96.79	39.317	
2,600.00	2,590.96	2,579.31	2,590.96	0.00	101.17	168.39	761.40	3,538.14	3,814.67	3,713.91	100.76	37.859	
2,700.00	2,690.53	2,678.88	2,690.53	0.00	105.16	168.41	761.40	3,538.14	3,823.70	3,718.97	104.73	36.511	
2,800.00	2,790.11	2,778.46	2,790.11	0.00	109.14	168.44	761.40	3,538.14	3,832.73	3,724.04	108.69	35.262	
2,900.00	2,889.68	2,878.03	2,889.68	0.00	113.12	168.47	761.40	3,538.14	3,841.76	3,729.10	112.66	34.101	
3,000.00	2,989.26	2,977.61	2,989.26	0.00	117.10	168.50	761.40	3,538.14	3,850.79	3,734.17	116.63	33.018	
3,100.00	3,088.83	3,077.18	3,088.83	0.00	121.09	168.52	761.40	3,538.14	3,859.83	3,739.24	120.59	32.007	
3,200.00	3,188.41	3,176.76	3,188.41	0.00	125.07	168.55	761.40	3,538.14	3,868.86	3,744.30	124.56	31.060	
3,300.00	3,287.98	3,276.33	3,287.98	0.00	129.05	168.58	761.40	3,538.14	3,877.90	3,749.37	128.53	30.172	
3,400.00	3,387.56	3,375.91	3,387.56	0.00	133.04	168.60	761.40	3,538.14	3,886.93	3,754.44	132.49	29.337	
3,500.00	3,487.13	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,896.12	3,761.04	135.09	28.842	SF
3,600.00	3,586.70	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,907.31	3,772.22	135.09	28.925	
3,700.00	3,686.28	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,921.01	3,785.93	135.09	29.026	
3,800.00	3,785.85	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,937.21	3,802.13	135.09	29.146	
3,900.00	3,885.43	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,955.87	3,820.79	135.09	29.284	
4,000.00	3,985.00	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	3,976.96	3,841.87	135.09	29.440	
4,100.00	4,084.58	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,000.44	3,865.35	135.09	29.614	
4,200.00	4,184.15	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,026.26	3,891.18	135.09	29.805	
4,300.00	4,283.72	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,054.39	3,919.30	135.09	30.014	
4,400.00	4,383.30	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,084.77	3,949.69	135.09	30.238	
4,500.00	4,482.87	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,117.36	3,982.27	135.09	30.480	
4,600.00	4,582.45	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,152.10	4,017.01	135.09	30.737	
4,700.00	4,682.02	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,188.94	4,053.85	135.09	31.010	
4,800.00	4,781.60	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,227.82	4,092.74	135.09	31.297	
4,900.00	4,881.17	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,268.70	4,133.61	135.09	31.600	
5,000.00	4,980.74	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,311.50	4,176.42	135.09	31.917	
5,100.00	5,080.32	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,356.19	4,221.10	135.09	32.248	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,402.69	4,267.60	135.09	32.592	
5,300.00	5,279.47	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,450.95	4,315.86	135.09	32.949	
5,400.00	5,379.04	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,500.91	4,365.83	135.09	33.319	
5,500.00	5,478.62	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,552.53	4,417.44	135.09	33.701	
5,600.00	5,578.19	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,605.73	4,470.65	135.09	34.095	
5,700.00	5,677.77	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,660.48	4,525.39	135.09	34.500	
5,800.00	5,777.34	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,716.71	4,581.62	135.09	34.917	
5,900.00	5,876.91	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,774.37	4,639.29	135.09	35.343	
6,000.00	5,976.49	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,833.42	4,698.33	135.09	35.780	
6,100.00	6,076.06	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,893.79	4,758.71	135.09	36.227	
6,200.00	6,175.64	3,441.00	3,452.65	0.00	135.64	168.62	761.40	3,538.14	4,955.45	4,820.37	135.09	36.684	
6,300.00	6,275.24	3,441.00	3,452.65	0.00	135.64	168.75	761.40	3,538.14	5,018.14	4,882.90	135.24	37.106	
6,400.00	6,375.04	3,441.00	3,452.65	0.00	135.64	169.05	761.40	3,538.14	5,079.86	4,944.34	135.52	37.485	
6,500.00	6,475.00	3,441.00	3,452.65	0.00	135.64	169.33	761.40	3,538.14	5,140.09	5,004.46	135.64	37.896	
6,600.00	6,575.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,199.61	5,063.97	135.64	38.334	
6,700.00	6,675.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,260.27	5,124.62	135.64	38.781	
6,800.00	6,775.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,322.11	5,186.47	135.64	39.237	
6,900.00	6,875.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,385.10	5,249.46	135.64	39.701	
7,000.00	6,975.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,449.20	5,313.56	135.64	40.174	
7,100.00	7,075.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,514.37	5,378.73	135.64	40.654	
7,200.00	7,175.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,580.57	5,444.93	135.64	41.142	
7,300.00	7,275.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,647.76	5,512.12	135.64	41.638	
7,400.00	7,375.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,715.92	5,580.27	135.64	42.140	
7,500.00	7,475.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,784.99	5,649.35	135.64	42.650	
7,600.00	7,575.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,854.97	5,719.33	135.64	43.165	
7,700.00	7,675.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,925.80	5,790.16	135.64	43.688	
7,800.00	7,775.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	5,997.46	5,861.82	135.64	44.216	
7,900.00	7,875.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,069.93	5,934.29	135.64	44.750	
8,000.00	7,975.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,143.17	6,007.53	135.64	45.290	
8,100.00	8,075.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,217.15	6,081.51	135.64	45.836	
8,200.00	8,175.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,291.86	6,156.22	135.64	46.386	
8,300.00	8,275.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,367.25	6,231.61	135.64	46.942	
8,400.00	8,375.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,443.32	6,307.68	135.64	47.503	
8,475.00	8,450.00	3,441.00	3,452.65	0.00	135.64	79.46	761.40	3,538.14	6,500.79	6,365.15	135.64	47.927	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	44.17	0.00	0.00	127.09	-2,352.45	3,111.23	3,900.73				
100.00	100.00	55.83	100.00	0.00	1.12	127.09	-2,352.45	3,111.23	3,900.48	3,899.37	1.12	3,492.277	
200.00	200.00	155.83	200.00	0.00	4.23	127.09	-2,352.45	3,111.23	3,900.48	3,896.25	4.23	921.360	
300.00	300.00	255.83	300.00	0.00	8.23	127.09	-2,352.45	3,111.23	3,900.48	3,892.25	8.23	473.739	CC
400.00	399.98	355.81	399.98	0.00	12.23	-142.96	-2,352.45	3,111.23	3,901.88	3,889.65	12.23	319.098	ES
500.00	499.84	455.67	499.84	0.00	16.23	-142.96	-2,352.45	3,111.23	3,906.06	3,889.85	16.20	241.089	
600.00	599.47	555.30	599.47	0.00	20.21	-142.98	-2,352.45	3,111.23	3,912.85	3,892.69	20.16	194.113	
700.00	699.05	654.88	699.05	0.00	24.20	-143.06	-2,352.45	3,111.23	3,920.22	3,896.09	24.13	162.465	
800.00	798.62	754.45	798.62	0.00	28.18	-143.14	-2,352.45	3,111.23	3,927.60	3,899.50	28.10	139.765	
900.00	898.20	854.03	898.20	0.00	32.16	-143.22	-2,352.45	3,111.23	3,934.99	3,902.92	32.07	122.687	
1,000.00	997.77	953.60	997.77	0.00	36.14	-143.30	-2,352.45	3,111.23	3,942.39	3,906.34	36.05	109.373	
1,100.00	1,097.35	1,053.18	1,097.35	0.00	40.13	-143.38	-2,352.45	3,111.23	3,949.80	3,909.78	40.02	98.702	
1,200.00	1,196.92	1,152.75	1,196.92	0.00	44.11	-143.46	-2,352.45	3,111.23	3,957.21	3,913.22	43.99	89.959	
1,300.00	1,296.49	1,252.32	1,296.49	0.00	48.09	-143.54	-2,352.45	3,111.23	3,964.63	3,916.67	47.96	82.664	
1,400.00	1,396.07	1,351.90	1,396.07	0.00	52.08	-143.62	-2,352.45	3,111.23	3,972.06	3,920.12	51.93	76.485	
1,500.00	1,495.64	1,451.47	1,495.64	0.00	56.06	-143.70	-2,352.45	3,111.23	3,979.49	3,923.59	55.90	71.184	
1,600.00	1,595.22	1,551.05	1,595.22	0.00	60.04	-143.78	-2,352.45	3,111.23	3,986.93	3,927.06	59.88	66.587	
1,700.00	1,694.79	1,650.62	1,694.79	0.00	64.02	-143.86	-2,352.45	3,111.23	3,994.38	3,930.54	63.85	62.561	
1,800.00	1,794.37	1,750.20	1,794.37	0.00	68.01	-143.93	-2,352.45	3,111.23	4,001.84	3,934.02	67.82	59.008	
1,900.00	1,893.94	1,849.77	1,893.94	0.00	71.99	-144.01	-2,352.45	3,111.23	4,009.31	3,937.52	71.79	55.847	
2,000.00	1,993.51	1,949.34	1,993.51	0.00	75.97	-144.09	-2,352.45	3,111.23	4,016.78	3,941.02	75.76	53.018	
2,100.00	2,093.09	2,048.92	2,093.09	0.00	79.96	-144.16	-2,352.45	3,111.23	4,024.26	3,944.52	79.73	50.471	
2,200.00	2,192.66	2,148.49	2,192.66	0.00	83.94	-144.24	-2,352.45	3,111.23	4,031.74	3,948.04	83.70	48.166	
2,300.00	2,292.24	2,248.07	2,292.24	0.00	87.92	-144.32	-2,352.45	3,111.23	4,039.24	3,951.56	87.68	46.070	
2,400.00	2,391.81	2,347.64	2,391.81	0.00	91.91	-144.39	-2,352.45	3,111.23	4,046.74	3,955.09	91.65	44.155	
2,500.00	2,491.39	2,447.22	2,491.39	0.00	95.89	-144.47	-2,352.45	3,111.23	4,054.25	3,958.63	95.62	42.400	
2,600.00	2,590.96	2,546.79	2,590.96	0.00	99.87	-144.54	-2,352.45	3,111.23	4,061.76	3,962.17	99.59	40.785	
2,700.00	2,690.53	2,646.36	2,690.53	0.00	103.85	-144.62	-2,352.45	3,111.23	4,069.28	3,965.72	103.56	39.294	
2,800.00	2,790.11	2,745.94	2,790.11	0.00	107.84	-144.69	-2,352.45	3,111.23	4,076.81	3,969.28	107.53	37.912	
2,900.00	2,889.68	2,845.51	2,889.68	0.00	111.82	-144.77	-2,352.45	3,111.23	4,084.35	3,972.84	111.50	36.630	
3,000.00	2,989.26	2,945.09	2,989.26	0.00	115.80	-144.84	-2,352.45	3,111.23	4,091.89	3,976.42	115.47	35.435	
3,100.00	3,088.83	3,044.66	3,088.83	0.00	119.79	-144.92	-2,352.45	3,111.23	4,099.44	3,979.99	119.45	34.321	
3,200.00	3,188.41	3,144.24	3,188.41	0.00	123.77	-144.99	-2,352.45	3,111.23	4,107.00	3,983.58	123.42	33.278	
3,300.00	3,287.98	3,243.81	3,287.98	0.00	127.75	-145.06	-2,352.45	3,111.23	4,114.56	3,987.17	127.39	32.300	
3,400.00	3,387.56	3,343.39	3,387.56	0.00	131.74	-145.14	-2,352.45	3,111.23	4,122.13	3,990.77	131.36	31.381	
3,500.00	3,487.13	3,442.96	3,487.13	0.00	135.72	-145.21	-2,352.45	3,111.23	4,129.71	3,994.38	135.33	30.516	
3,600.00	3,586.70	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,137.93	4,001.52	136.41	30.335	SF
3,700.00	3,686.28	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,148.45	4,012.04	136.41	30.412	
3,800.00	3,785.85	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,161.35	4,024.95	136.41	30.507	
3,900.00	3,885.43	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,176.61	4,040.20	136.41	30.619	
4,000.00	3,985.00	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,194.20	4,057.79	136.41	30.748	
4,100.00	4,084.58	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,214.09	4,077.68	136.41	30.893	
4,200.00	4,184.15	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,236.24	4,099.83	136.41	31.056	
4,300.00	4,283.72	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,260.63	4,124.22	136.41	31.235	
4,400.00	4,383.30	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,287.21	4,150.80	136.41	31.429	
4,500.00	4,482.87	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,315.95	4,179.54	136.41	31.640	
4,600.00	4,582.45	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,346.79	4,210.39	136.41	31.866	
4,700.00	4,682.02	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,379.71	4,243.30	136.41	32.108	
4,800.00	4,781.60	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,414.64	4,278.23	136.41	32.364	
4,900.00	4,881.17	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,451.55	4,315.14	136.41	32.634	
5,000.00	4,980.74	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,490.38	4,353.97	136.41	32.919	
5,100.00	5,080.32	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,531.08	4,394.68	136.41	33.217	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 458A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,573.61	4,437.21	136.41	33.529	
5,300.00	5,279.47	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,617.92	4,481.51	136.41	33.854	
5,400.00	5,379.04	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,663.94	4,527.54	136.41	34.191	
5,500.00	5,478.62	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,711.65	4,575.24	136.41	34.541	
5,600.00	5,578.19	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,760.97	4,624.56	136.41	34.903	
5,700.00	5,677.77	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,811.86	4,675.46	136.41	35.276	
5,800.00	5,777.34	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,864.28	4,727.88	136.41	35.660	
5,900.00	5,876.91	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,918.18	4,781.77	136.41	36.055	
6,000.00	5,976.49	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	4,973.50	4,837.09	136.41	36.461	
6,100.00	6,076.06	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	5,030.20	4,893.79	136.41	36.876	
6,200.00	6,175.64	3,470.00	3,514.17	0.00	136.80	-145.23	-2,352.45	3,111.23	5,088.24	4,951.83	136.41	37.302	
6,300.00	6,275.24	3,470.00	3,514.17	0.00	136.80	-145.56	-2,352.45	3,111.23	5,147.38	5,010.87	136.51	37.706	
6,400.00	6,375.04	3,470.00	3,514.17	0.00	136.80	-146.37	-2,352.45	3,111.23	5,205.89	5,069.18	136.71	38.080	
6,500.00	6,475.00	3,470.00	3,514.17	0.00	136.80	-147.14	-2,352.45	3,111.23	5,263.31	5,126.51	136.80	38.475	
6,600.00	6,575.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,320.28	5,183.48	136.80	38.891	
6,700.00	6,675.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,378.43	5,241.63	136.80	39.316	
6,800.00	6,775.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,437.80	5,301.00	136.80	39.750	
6,900.00	6,875.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,498.35	5,361.55	136.80	40.193	
7,000.00	6,975.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,560.04	5,423.24	136.80	40.643	
7,100.00	7,075.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,622.83	5,486.03	136.80	41.102	
7,200.00	7,175.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,686.68	5,549.88	136.80	41.569	
7,300.00	7,275.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,751.57	5,614.77	136.80	42.044	
7,400.00	7,375.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,817.45	5,680.65	136.80	42.525	
7,500.00	7,475.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,884.29	5,747.49	136.80	43.014	
7,600.00	7,575.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	5,952.06	5,815.26	136.80	43.509	
7,700.00	7,675.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,020.73	5,883.93	136.80	44.011	
7,800.00	7,775.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,090.27	5,953.47	136.80	44.519	
7,900.00	7,875.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,160.64	6,023.84	136.80	45.034	
8,000.00	7,975.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,231.83	6,095.03	136.80	45.554	
8,100.00	8,075.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,303.80	6,167.00	136.80	46.080	
8,200.00	8,175.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,376.52	6,239.72	136.80	46.612	
8,300.00	8,275.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,449.98	6,313.18	136.80	47.149	
8,400.00	8,375.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,524.14	6,387.34	136.80	47.691	
8,475.00	8,450.00	3,470.00	3,514.17	0.00	136.80	122.73	-2,352.45	3,111.23	6,580.20	6,443.40	136.80	48.101	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	36.17	0.00	0.00	71.62	2,856.20	8,594.51	9,056.75				
100.00	100.00	63.83	100.00	0.00	1.28	71.62	2,856.20	8,594.51	9,056.68	9,055.40	1.28	7,092.863	
107.84	107.84	71.67	107.84	0.00	1.43	71.62	2,856.20	8,594.51	9,056.68	9,055.25	1.43	6,317.020	CC
200.00	200.00	100.00	136.17	0.00	2.00	71.62	2,856.20	8,594.51	9,056.91	9,054.91	2.00	4,528.000	ES, SF
300.00	300.00	100.00	136.17	0.00	2.00	71.62	2,856.20	8,594.51	9,056.16	9,056.16	2.00	4,528.628	
400.00	399.98	100.00	136.17	0.00	2.00	161.54	2,856.20	8,594.51	9,062.18	9,060.18	2.00	4,533.120	
500.00	499.84	100.00	136.17	0.00	2.00	161.48	2,856.20	8,594.51	9,070.60	9,068.60	2.00	4,544.797	
600.00	599.47	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,083.19	9,081.19	1.99	4,558.571	
700.00	699.05	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,097.54	9,095.55	1.99	4,565.774	
800.00	798.62	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,112.96	9,110.97	1.99	4,573.516	
900.00	898.20	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,129.46	9,127.47	1.99	4,581.795	
1,000.00	997.77	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,147.02	9,145.03	1.99	4,590.607	
1,100.00	1,097.35	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,165.64	9,163.64	1.99	4,599.951	
1,200.00	1,196.92	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,185.31	9,183.31	1.99	4,609.821	
1,300.00	1,296.49	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,206.02	9,204.03	1.99	4,620.216	
1,400.00	1,396.07	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,227.77	9,225.77	1.99	4,631.132	
1,500.00	1,495.64	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,250.55	9,248.55	1.99	4,642.564	
1,600.00	1,595.22	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,274.35	9,272.36	1.99	4,654.510	
1,700.00	1,694.79	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,299.17	9,297.17	1.99	4,666.964	
1,800.00	1,794.37	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,324.99	9,323.00	1.99	4,679.924	
1,900.00	1,893.94	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,351.81	9,349.82	1.99	4,693.384	
2,000.00	1,993.51	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,379.62	9,377.63	1.99	4,707.342	
2,100.00	2,093.09	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,408.41	9,406.42	1.99	4,721.791	
2,200.00	2,192.66	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,438.17	9,436.18	1.99	4,736.728	
2,300.00	2,292.24	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,468.90	9,466.91	1.99	4,752.148	
2,400.00	2,391.81	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,500.58	9,498.58	1.99	4,768.047	
2,500.00	2,491.39	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,533.20	9,531.21	1.99	4,784.419	
2,600.00	2,590.96	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,566.76	9,564.76	1.99	4,801.260	
2,700.00	2,690.53	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,601.24	9,599.24	1.99	4,818.565	
2,800.00	2,790.11	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,636.63	9,634.64	1.99	4,836.328	
2,900.00	2,889.68	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,672.93	9,670.94	1.99	4,854.546	
3,000.00	2,989.26	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,710.13	9,708.13	1.99	4,873.212	
3,100.00	3,088.83	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,748.20	9,746.21	1.99	4,892.322	
3,200.00	3,188.41	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,787.15	9,785.16	1.99	4,911.871	
3,300.00	3,287.98	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,826.97	9,824.98	1.99	4,931.853	
3,400.00	3,387.56	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,867.64	9,865.64	1.99	4,952.262	
3,500.00	3,487.13	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,909.15	9,907.15	1.99	4,973.095	
3,600.00	3,586.70	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,951.49	9,949.49	1.99	4,994.345	
3,700.00	3,686.28	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	9,994.65	9,992.66	1.99	5,016.007	
3,800.00	3,785.85	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,038.62	10,036.63	1.99	5,038.075	
3,900.00	3,885.43	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,083.40	10,081.40	1.99	5,060.546	
4,000.00	3,985.00	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,128.96	10,126.97	1.99	5,083.412	
4,100.00	4,084.58	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,175.30	10,173.31	1.99	5,106.670	
4,200.00	4,184.15	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,222.41	10,220.42	1.99	5,130.312	
4,300.00	4,283.72	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,270.28	10,268.28	1.99	5,154.335	
4,400.00	4,383.30	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,318.89	10,316.90	1.99	5,178.734	
4,500.00	4,482.87	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,368.24	10,366.25	1.99	5,203.501	
4,600.00	4,582.45	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,418.32	10,416.33	1.99	5,228.633	
4,700.00	4,682.02	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,469.11	10,467.12	1.99	5,254.125	
4,800.00	4,781.60	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,520.61	10,518.62	1.99	5,279.970	
4,900.00	4,881.17	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,572.80	10,570.81	1.99	5,306.164	
5,000.00	4,980.74	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,625.68	10,623.69	1.99	5,332.702	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 460A - OH - OH

Survey Program: 100-UNKNOWN

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,679.23	10,677.24	1.99	5,359.578	
5,200.00	5,179.89	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,733.45	10,731.46	1.99	5,386.788	
5,300.00	5,279.47	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,788.32	10,786.33	1.99	5,414.326	
5,400.00	5,379.04	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,843.84	10,841.84	1.99	5,442.187	
5,500.00	5,478.62	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,899.99	10,898.00	1.99	5,470.368	
5,600.00	5,578.19	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	10,956.76	10,954.77	1.99	5,498.862	
5,700.00	5,677.77	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,014.15	11,012.16	1.99	5,527.664	
5,800.00	5,777.34	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,072.15	11,070.16	1.99	5,556.771	
5,900.00	5,876.91	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,130.74	11,128.75	1.99	5,586.177	
6,000.00	5,976.49	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,189.92	11,187.93	1.99	5,615.877	
6,100.00	6,076.06	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,249.68	11,247.69	1.99	5,645.867	
6,200.00	6,175.64	100.00	136.17	0.00	2.00	161.43	2,856.20	8,594.51	11,310.01	11,308.01	1.99	5,676.143	
6,300.00	6,275.24	100.00	136.17	0.00	2.00	161.62	2,856.20	8,594.51	11,370.69	11,368.69	1.99	5,700.598	
6,400.00	6,375.04	100.00	136.17	0.00	2.00	162.08	2,856.20	8,594.51	11,429.76	11,427.76	2.00	5,719.237	
6,500.00	6,475.00	100.00	136.17	0.00	2.00	162.50	2,856.20	8,594.51	11,486.71	11,484.71	2.00	5,742.981	
6,600.00	6,575.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,542.29	11,540.28	2.00	5,770.565	
6,700.00	6,675.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,598.37	11,596.37	2.00	5,798.603	
6,800.00	6,775.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,655.04	11,653.04	2.00	5,826.935	
6,900.00	6,875.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,712.29	11,710.29	2.00	5,855.557	
7,000.00	6,975.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,770.11	11,768.11	2.00	5,884.464	
7,100.00	7,075.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,828.49	11,826.49	2.00	5,913.653	
7,200.00	7,175.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,887.43	11,885.43	2.00	5,943.119	
7,300.00	7,275.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	11,946.91	11,944.91	2.00	5,972.858	
7,400.00	7,375.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,006.93	12,004.93	2.00	6,002.866	
7,500.00	7,475.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,067.49	12,065.49	2.00	6,033.140	
7,600.00	7,575.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,128.56	12,126.56	2.00	6,063.674	
7,700.00	7,675.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,190.15	12,188.15	2.00	6,094.465	
7,800.00	7,775.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,252.25	12,250.25	2.00	6,125.510	
7,900.00	7,875.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,314.84	12,312.84	2.00	6,156.804	
8,000.00	7,975.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,377.93	12,375.93	2.00	6,188.344	
8,100.00	8,075.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,441.50	12,439.50	2.00	6,220.126	
8,200.00	8,175.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,505.54	12,503.54	2.00	6,252.146	
8,300.00	8,275.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,570.06	12,568.06	2.00	6,284.400	
8,400.00	8,375.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,635.04	12,633.04	2.00	6,316.886	
8,475.00	8,450.00	100.00	136.17	0.00	2.00	72.66	2,856.20	8,594.51	12,684.07	12,682.07	2.00	6,341.398	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.76	0.00	0.00	0.02	49.90	2,932.20	3,481.83	4,552.03				
100.00	100.00	100.76	100.00	0.00	2.03	49.90	2,932.20	3,481.83	4,552.03	4,550.00	2.03	2,241.714	
200.00	200.00	200.76	200.00	0.00	6.03	49.90	2,932.20	3,481.83	4,552.03	4,546.00	6.03	754.821	
300.00	300.00	300.76	300.00	0.00	10.03	49.90	2,932.20	3,481.83	4,552.03	4,542.00	10.03	453.814	CC
400.00	399.98	400.74	399.98	0.00	14.03	139.84	2,932.20	3,481.83	4,553.36	4,539.33	14.02	324.665	ES
500.00	499.84	500.60	499.84	0.00	18.02	139.83	2,932.20	3,481.83	4,557.36	4,539.36	18.00	253.208	
600.00	599.47	600.23	599.47	0.00	22.01	139.85	2,932.20	3,481.83	4,563.86	4,541.91	21.95	207.875	
700.00	699.05	699.81	699.05	0.00	25.99	139.92	2,932.20	3,481.83	4,570.92	4,545.00	25.93	176.294	
800.00	798.62	799.38	798.62	0.00	29.98	140.00	2,932.20	3,481.83	4,577.99	4,548.09	29.90	153.107	
900.00	898.20	898.96	898.20	0.00	33.96	140.07	2,932.20	3,481.83	4,585.07	4,551.20	33.87	135.358	
1,000.00	997.77	998.53	997.77	0.00	37.94	140.14	2,932.20	3,481.83	4,592.15	4,554.31	37.85	121.337	
1,100.00	1,097.35	1,098.11	1,097.35	0.00	41.92	140.22	2,932.20	3,481.83	4,599.24	4,557.42	41.82	109.979	
1,200.00	1,196.92	1,197.68	1,196.92	0.00	45.91	140.29	2,932.20	3,481.83	4,606.34	4,560.55	45.79	100.593	
1,300.00	1,296.49	1,297.25	1,296.49	0.00	49.89	140.36	2,932.20	3,481.83	4,613.45	4,563.68	49.76	92.706	
1,400.00	1,396.07	1,396.83	1,396.07	0.00	53.87	140.44	2,932.20	3,481.83	4,620.56	4,566.83	53.74	85.985	
1,500.00	1,495.64	1,496.40	1,495.64	0.00	57.86	140.51	2,932.20	3,481.83	4,627.68	4,569.97	57.71	80.189	
1,600.00	1,595.22	1,595.98	1,595.22	0.00	61.84	140.58	2,932.20	3,481.83	4,634.81	4,573.13	61.68	75.140	
1,700.00	1,694.79	1,695.55	1,694.79	0.00	65.82	140.65	2,932.20	3,481.83	4,641.95	4,576.29	65.65	70.702	
1,800.00	1,794.37	1,795.13	1,794.37	0.00	69.81	140.72	2,932.20	3,481.83	4,649.09	4,579.47	69.63	66.771	
1,900.00	1,893.94	1,894.70	1,893.94	0.00	73.79	140.80	2,932.20	3,481.83	4,656.24	4,582.64	73.60	63.264	
2,000.00	1,993.51	1,994.27	1,993.51	0.00	77.77	140.87	2,932.20	3,481.83	4,663.40	4,585.83	77.57	60.117	
2,100.00	2,093.09	2,093.85	2,093.09	0.00	81.75	140.94	2,932.20	3,481.83	4,670.57	4,589.02	81.54	57.276	
2,200.00	2,192.66	2,193.42	2,192.66	0.00	85.74	141.01	2,932.20	3,481.83	4,677.74	4,592.22	85.52	54.700	
2,300.00	2,292.24	2,293.00	2,292.24	0.00	89.72	141.08	2,932.20	3,481.83	4,684.92	4,595.43	89.49	52.352	
2,400.00	2,391.81	2,392.57	2,391.81	0.00	93.70	141.15	2,932.20	3,481.83	4,692.10	4,598.64	93.46	50.204	
2,500.00	2,491.39	2,492.15	2,491.39	0.00	97.69	141.22	2,932.20	3,481.83	4,699.30	4,601.86	97.43	48.231	
2,600.00	2,590.96	2,591.72	2,590.96	0.00	101.67	141.29	2,932.20	3,481.83	4,706.50	4,605.09	101.41	46.413	
2,700.00	2,690.53	2,691.29	2,690.53	0.00	105.65	141.36	2,932.20	3,481.83	4,713.71	4,608.33	105.38	44.731	
2,800.00	2,790.11	2,790.87	2,790.11	0.00	109.63	141.43	2,932.20	3,481.83	4,720.92	4,611.57	109.35	43.173	
2,900.00	2,889.68	2,890.44	2,889.68	0.00	113.62	141.50	2,932.20	3,481.83	4,728.14	4,614.82	113.32	41.723	
3,000.00	2,989.26	2,990.02	2,989.26	0.00	117.60	141.57	2,932.20	3,481.83	4,735.37	4,618.08	117.29	40.372	
3,100.00	3,088.83	3,089.59	3,088.83	0.00	121.58	141.64	2,932.20	3,481.83	4,742.61	4,621.34	121.27	39.109	
3,200.00	3,188.41	3,189.17	3,188.41	0.00	125.57	141.71	2,932.20	3,481.83	4,749.85	4,624.61	125.24	37.927	
3,300.00	3,287.98	3,288.74	3,287.98	0.00	129.55	141.78	2,932.20	3,481.83	4,757.10	4,627.89	129.21	36.817	
3,400.00	3,387.56	3,388.32	3,387.56	0.00	133.53	141.85	2,932.20	3,481.83	4,764.35	4,631.17	133.18	35.773	
3,500.00	3,487.13	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,771.75	4,635.98	135.76	35.148	SF
3,600.00	3,586.70	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,780.78	4,645.02	135.76	35.214	
3,700.00	3,686.28	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,791.88	4,656.12	135.76	35.296	
3,800.00	3,785.85	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,805.04	4,669.28	135.76	35.393	
3,900.00	3,885.43	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,820.24	4,684.48	135.76	35.505	
4,000.00	3,985.00	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,837.46	4,701.70	135.76	35.632	
4,100.00	4,084.58	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,856.68	4,720.91	135.76	35.774	
4,200.00	4,184.15	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,877.87	4,742.11	135.76	35.930	
4,300.00	4,283.72	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,901.01	4,765.25	135.76	36.100	
4,400.00	4,383.30	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,926.07	4,790.31	135.76	36.285	
4,500.00	4,482.87	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,953.03	4,817.26	135.76	36.483	
4,600.00	4,582.45	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	4,981.84	4,846.08	135.76	36.695	
4,700.00	4,682.02	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,012.49	4,876.73	135.76	36.921	
4,800.00	4,781.60	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,044.93	4,909.17	135.76	37.160	
4,900.00	4,881.17	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,079.14	4,943.37	135.76	37.412	
5,000.00	4,980.74	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,115.07	4,979.31	135.76	37.677	
5,100.00	5,080.32	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,152.69	5,016.93	135.76	37.954	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 492A - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,191.96	5,056.20	135.76	38.243	
5,300.00	5,279.47	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,232.86	5,097.09	135.76	38.544	
5,400.00	5,379.04	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,275.33	5,139.57	135.76	38.857	
5,500.00	5,478.62	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,319.34	5,183.58	135.76	39.181	
5,600.00	5,578.19	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,364.85	5,229.09	135.76	39.517	
5,700.00	5,677.77	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,411.83	5,276.07	135.76	39.863	
5,800.00	5,777.34	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,460.24	5,324.48	135.76	40.219	
5,900.00	5,876.91	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,510.04	5,374.28	135.76	40.586	
6,000.00	5,976.49	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,561.19	5,425.43	135.76	40.963	
6,100.00	6,076.06	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,613.65	5,477.89	135.76	41.349	
6,200.00	6,175.64	3,453.00	3,452.24	0.00	136.12	141.89	2,932.20	3,481.83	5,667.40	5,531.64	135.76	41.745	
6,300.00	6,275.24	3,453.00	3,452.24	0.00	136.12	142.21	2,932.20	3,481.83	5,722.21	5,586.35	135.86	42.119	
6,400.00	6,375.04	3,453.00	3,452.24	0.00	136.12	142.99	2,932.20	3,481.83	5,776.35	5,640.31	136.04	42.461	
6,500.00	6,475.00	3,453.00	3,452.24	0.00	136.12	143.74	2,932.20	3,481.83	5,829.38	5,693.26	136.12	42.826	
6,600.00	6,575.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	5,881.93	5,745.81	136.12	43.211	
6,700.00	6,675.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	5,935.62	5,799.50	136.12	43.606	
6,800.00	6,775.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	5,990.51	5,854.39	136.12	44.009	
6,900.00	6,875.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,046.55	5,910.43	136.12	44.421	
7,000.00	6,975.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,103.71	5,967.59	136.12	44.841	
7,100.00	7,075.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,161.97	6,025.85	136.12	45.269	
7,200.00	7,175.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,221.29	6,085.17	136.12	45.704	
7,300.00	7,275.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,281.64	6,145.52	136.12	46.148	
7,400.00	7,375.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,342.99	6,206.87	136.12	46.598	
7,500.00	7,475.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,405.31	6,269.19	136.12	47.056	
7,600.00	7,575.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,468.59	6,332.47	136.12	47.521	
7,700.00	7,675.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,532.78	6,396.66	136.12	47.993	
7,800.00	7,775.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,597.86	6,461.74	136.12	48.471	
7,900.00	7,875.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,663.80	6,527.68	136.12	48.955	
8,000.00	7,975.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,730.59	6,594.47	136.12	49.446	
8,100.00	8,075.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,798.19	6,662.07	136.12	49.943	
8,200.00	8,175.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,866.58	6,730.46	136.12	50.445	
8,300.00	8,275.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	6,935.74	6,799.62	136.12	50.953	
8,400.00	8,375.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	7,005.64	6,869.52	136.12	51.467	
8,475.00	8,450.00	3,453.00	3,452.24	0.00	136.12	53.97	2,932.20	3,481.83	7,058.54	6,922.42	136.12	51.855	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	57.31	0.00	0.00	1.15	82.11	877.57	6,328.80	6,389.35				
100.00	100.00	157.31	100.00	0.00	4.29	82.11	877.57	6,328.80	6,389.35	6,385.06	4.29	1,488.458	
200.00	200.00	257.31	200.00	0.00	8.29	82.11	877.57	6,328.80	6,389.35	6,381.06	8.29	770.489	
300.00	300.00	357.31	300.00	0.00	12.29	82.11	877.57	6,328.80	6,389.35	6,377.06	12.29	519.772	CC
400.00	399.98	457.29	399.98	0.00	16.29	172.05	877.57	6,328.80	6,391.08	6,374.80	16.28	392.523	ES
500.00	499.84	557.15	499.84	0.00	20.29	172.04	877.57	6,328.80	6,396.27	6,376.03	20.24	316.058	
600.00	599.47	656.78	599.47	0.00	24.27	172.04	877.57	6,328.80	6,404.68	6,380.51	24.17	264.982	
700.00	699.05	756.36	699.05	0.00	28.25	172.05	877.57	6,328.80	6,413.81	6,385.67	28.14	227.953	
800.00	798.62	855.93	798.62	0.00	32.24	172.06	877.57	6,328.80	6,422.94	6,390.83	32.10	200.073	
900.00	898.20	955.51	898.20	0.00	36.22	172.07	877.57	6,328.80	6,432.07	6,396.00	36.07	178.326	
1,000.00	997.77	1,055.08	997.77	0.00	40.20	172.08	877.57	6,328.80	6,441.20	6,401.16	40.04	160.887	
1,100.00	1,097.35	1,154.66	1,097.35	0.00	44.19	172.09	877.57	6,328.80	6,450.33	6,406.32	44.00	146.592	
1,200.00	1,196.92	1,254.23	1,196.92	0.00	48.17	172.10	877.57	6,328.80	6,459.46	6,411.49	47.97	134.661	
1,300.00	1,296.49	1,353.80	1,296.49	0.00	52.15	172.12	877.57	6,328.80	6,468.59	6,416.65	51.93	124.553	
1,400.00	1,396.07	1,453.38	1,396.07	0.00	56.14	172.13	877.57	6,328.80	6,477.72	6,421.82	55.90	115.879	
1,500.00	1,495.64	1,552.95	1,495.64	0.00	60.12	172.14	877.57	6,328.80	6,486.85	6,426.98	59.87	108.354	
1,600.00	1,595.22	1,652.53	1,595.22	0.00	64.10	172.15	877.57	6,328.80	6,495.98	6,432.14	63.83	101.764	
1,700.00	1,694.79	1,752.10	1,694.79	0.00	68.08	172.16	877.57	6,328.80	6,505.11	6,437.31	67.80	95.946	
1,800.00	1,794.37	1,851.68	1,794.37	0.00	72.07	172.17	877.57	6,328.80	6,514.24	6,442.47	71.77	90.770	
1,900.00	1,893.94	1,951.25	1,893.94	0.00	76.05	172.18	877.57	6,328.80	6,523.37	6,447.64	75.73	86.137	
2,000.00	1,993.51	2,050.82	1,993.51	0.00	80.03	172.19	877.57	6,328.80	6,532.50	6,452.81	79.70	81.965	
2,100.00	2,093.09	2,150.40	2,093.09	0.00	84.02	172.20	877.57	6,328.80	6,541.64	6,457.97	83.67	78.188	
2,200.00	2,192.66	2,249.97	2,192.66	0.00	88.00	172.21	877.57	6,328.80	6,550.77	6,463.14	87.63	74.754	
2,300.00	2,292.24	2,349.55	2,292.24	0.00	91.98	172.23	877.57	6,328.80	6,559.90	6,468.30	91.60	71.616	
2,400.00	2,391.81	2,449.12	2,391.81	0.00	95.96	172.24	877.57	6,328.80	6,569.03	6,473.47	95.56	68.740	
2,500.00	2,491.39	2,548.70	2,491.39	0.00	99.95	172.25	877.57	6,328.80	6,578.17	6,478.64	99.53	66.092	
2,600.00	2,590.96	2,648.27	2,590.96	0.00	103.93	172.26	877.57	6,328.80	6,587.30	6,483.80	103.50	63.647	
2,700.00	2,690.53	2,747.84	2,690.53	0.00	107.91	172.27	877.57	6,328.80	6,596.43	6,488.97	107.46	61.383	
2,800.00	2,790.11	2,847.42	2,790.11	0.00	111.90	172.28	877.57	6,328.80	6,605.57	6,494.14	111.43	59.280	
2,900.00	2,889.68	2,946.99	2,889.68	0.00	115.88	172.29	877.57	6,328.80	6,614.70	6,499.31	115.40	57.322	
3,000.00	2,989.26	3,046.57	2,989.26	0.00	119.86	172.30	877.57	6,328.80	6,623.84	6,504.47	119.36	55.494	
3,100.00	3,088.83	3,146.14	3,088.83	0.00	123.85	172.31	877.57	6,328.80	6,632.97	6,509.64	123.33	53.783	
3,200.00	3,188.41	3,245.72	3,188.41	0.00	127.83	172.32	877.57	6,328.80	6,642.11	6,514.81	127.29	52.179	
3,300.00	3,287.98	3,345.29	3,287.98	0.00	131.81	172.33	877.57	6,328.80	6,651.24	6,519.98	131.26	50.672	
3,400.00	3,387.56	3,444.87	3,387.56	0.00	135.79	172.34	877.57	6,328.80	6,660.38	6,525.15	135.23	49.253	
3,500.00	3,487.13	3,544.44	3,487.13	0.00	139.78	172.35	877.57	6,328.80	6,669.51	6,530.32	139.19	47.915	
3,600.00	3,586.70	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,678.71	6,536.71	142.00	47.032	SF
3,700.00	3,686.28	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,689.02	6,547.01	142.00	47.104	
3,800.00	3,785.85	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,700.80	6,558.80	142.00	47.187	
3,900.00	3,885.43	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,714.06	6,572.05	142.00	47.281	
4,000.00	3,985.00	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,728.77	6,586.77	142.00	47.384	
4,100.00	4,084.58	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,744.94	6,602.93	142.00	47.498	
4,200.00	4,184.15	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,762.54	6,620.54	142.00	47.622	
4,300.00	4,283.72	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,781.58	6,639.57	142.00	47.756	
4,400.00	4,383.30	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,802.03	6,660.03	142.00	47.900	
4,500.00	4,482.87	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,823.89	6,681.88	142.00	48.054	
4,600.00	4,582.45	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,847.13	6,705.13	142.00	48.218	
4,700.00	4,682.02	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,871.76	6,729.75	142.00	48.391	
4,800.00	4,781.60	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,897.74	6,755.74	142.00	48.574	
4,900.00	4,881.17	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,925.07	6,783.07	142.00	48.767	
5,000.00	4,980.74	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,953.74	6,811.73	142.00	48.969	
5,100.00	5,080.32	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	6,983.71	6,841.71	142.00	49.180	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 496A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,014.99	6,872.98	142.00	49.400	
5,300.00	5,279.47	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,047.54	6,905.54	142.00	49.629	
5,400.00	5,379.04	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,081.36	6,939.36	142.00	49.867	
5,500.00	5,478.62	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,116.42	6,974.42	142.00	50.114	
5,600.00	5,578.19	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,152.71	7,010.71	142.00	50.370	
5,700.00	5,677.77	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,190.21	7,048.20	142.00	50.634	
5,800.00	5,777.34	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,228.89	7,086.89	142.00	50.906	
5,900.00	5,876.91	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,268.75	7,126.75	142.00	51.187	
6,000.00	5,976.49	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,309.76	7,167.75	142.00	51.476	
6,100.00	6,076.06	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,351.89	7,209.89	142.00	51.772	
6,200.00	6,175.64	3,615.00	3,557.69	0.00	142.60	172.36	877.57	6,328.80	7,395.14	7,253.14	142.00	52.077	
6,300.00	6,275.24	3,615.00	3,557.69	0.00	142.60	172.41	877.57	6,328.80	7,439.24	7,297.08	142.17	52.327	
6,400.00	6,375.04	3,615.00	3,557.69	0.00	142.60	172.54	877.57	6,328.80	7,481.89	7,339.42	142.47	52.517	
6,500.00	6,475.00	3,615.00	3,557.69	0.00	142.60	172.65	877.57	6,328.80	7,522.49	7,379.90	142.59	52.754	
6,600.00	6,575.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,561.94	7,419.34	142.60	53.029	
6,700.00	6,675.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,602.39	7,459.79	142.60	53.313	
6,800.00	6,775.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,643.94	7,501.34	142.60	53.604	
6,900.00	6,875.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,686.56	7,543.96	142.60	53.903	
7,000.00	6,975.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,730.25	7,587.65	142.60	54.209	
7,100.00	7,075.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,774.97	7,632.37	142.60	54.523	
7,200.00	7,175.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,820.72	7,678.12	142.60	54.844	
7,300.00	7,275.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,867.47	7,724.87	142.60	55.172	
7,400.00	7,375.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,915.21	7,772.61	142.60	55.506	
7,500.00	7,475.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	7,963.92	7,821.32	142.60	55.848	
7,600.00	7,575.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,013.58	7,870.98	142.60	56.196	
7,700.00	7,675.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,064.18	7,921.58	142.60	56.551	
7,800.00	7,775.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,115.69	7,973.09	142.60	56.912	
7,900.00	7,875.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,168.10	8,025.50	142.60	57.280	
8,000.00	7,975.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,221.40	8,078.80	142.60	57.653	
8,100.00	8,075.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,275.56	8,132.96	142.60	58.033	
8,200.00	8,175.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,330.56	8,187.96	142.60	58.419	
8,300.00	8,275.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,386.40	8,243.80	142.60	58.811	
8,400.00	8,375.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,443.06	8,300.46	142.60	59.208	
8,475.00	8,450.00	3,615.00	3,557.69	0.00	142.60	82.73	877.57	6,328.80	8,486.07	8,343.47	142.60	59.510	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	66.61	0.00	0.00	173.85	-1,851.21	199.57	1,863.13				
100.00	100.00	33.39	100.00	0.00	0.67	173.85	-1,851.21	199.57	1,861.94	1,861.27	0.67	2,786.774	
200.00	200.00	133.39	200.00	0.00	3.34	173.85	-1,851.21	199.57	1,861.94	1,858.60	3.34	558.168	
300.00	300.00	233.39	300.00	0.00	7.34	173.85	-1,851.21	199.57	1,861.94	1,854.60	7.34	253.815	CC
400.00	399.98	333.37	399.98	0.00	11.33	-96.26	-1,851.21	199.57	1,862.13	1,850.79	11.33	164.282	
500.00	499.84	433.23	499.84	0.00	15.33	-96.41	-1,851.21	199.57	1,862.70	1,847.38	15.33	121.516	
600.00	599.47	532.86	599.47	0.00	19.31	-96.65	-1,851.21	199.57	1,863.67	1,844.36	19.31	96.495	
700.00	699.05	632.44	699.05	0.00	23.30	-96.93	-1,851.21	199.57	1,864.77	1,841.47	23.30	80.046	
800.00	798.62	732.01	798.62	0.00	27.28	-97.21	-1,851.21	199.57	1,865.91	1,838.63	27.28	68.401	
900.00	898.20	831.59	898.20	0.00	31.26	-97.49	-1,851.21	199.57	1,867.09	1,835.83	31.26	59.725	
1,000.00	997.77	931.16	997.77	0.00	35.25	-97.77	-1,851.21	199.57	1,868.32	1,833.08	35.24	53.011	
1,100.00	1,097.35	1,030.74	1,097.35	0.00	39.23	-98.05	-1,851.21	199.57	1,869.60	1,830.37	39.23	47.662	
1,200.00	1,196.92	1,130.31	1,196.92	0.00	43.21	-98.33	-1,851.21	199.57	1,870.91	1,827.70	43.21	43.299	
1,300.00	1,296.49	1,229.88	1,296.49	0.00	47.20	-98.61	-1,851.21	199.57	1,872.28	1,825.09	47.19	39.674	
1,400.00	1,396.07	1,329.46	1,396.07	0.00	51.18	-98.88	-1,851.21	199.57	1,873.68	1,822.51	51.17	36.614	
1,500.00	1,495.64	1,429.03	1,495.64	0.00	55.16	-99.16	-1,851.21	199.57	1,875.13	1,819.98	55.16	33.997	
1,600.00	1,595.22	1,528.61	1,595.22	0.00	59.14	-99.44	-1,851.21	199.57	1,876.63	1,817.49	59.14	31.733	
1,700.00	1,694.79	1,628.18	1,694.79	0.00	63.13	-99.71	-1,851.21	199.57	1,878.17	1,815.05	63.12	29.756	
1,800.00	1,794.37	1,727.76	1,794.37	0.00	67.11	-99.99	-1,851.21	199.57	1,879.75	1,812.65	67.10	28.013	
1,900.00	1,893.94	1,827.33	1,893.94	0.00	71.09	-100.26	-1,851.21	199.57	1,881.38	1,810.30	71.08	26.467	
2,000.00	1,993.51	1,926.90	1,993.51	0.00	75.08	-100.54	-1,851.21	199.57	1,883.05	1,807.99	75.07	25.085	
2,100.00	2,093.09	2,026.48	2,093.09	0.00	79.06	-100.81	-1,851.21	199.57	1,884.77	1,805.72	79.05	23.843	
2,200.00	2,192.66	2,126.05	2,192.66	0.00	83.04	-101.09	-1,851.21	199.57	1,886.52	1,803.50	83.03	22.721	
2,300.00	2,292.24	2,225.63	2,292.24	0.00	87.03	-101.36	-1,851.21	199.57	1,888.33	1,801.32	87.01	21.702	
2,400.00	2,391.81	2,325.20	2,391.81	0.00	91.01	-101.63	-1,851.21	199.57	1,890.17	1,799.18	90.99	20.773	
2,500.00	2,491.39	2,424.78	2,491.39	0.00	94.99	-101.91	-1,851.21	199.57	1,892.06	1,797.08	94.97	19.922	
2,600.00	2,590.96	2,524.35	2,590.96	0.00	98.97	-102.18	-1,851.21	199.57	1,893.99	1,795.03	98.96	19.140	
2,700.00	2,690.53	2,623.92	2,690.53	0.00	102.96	-102.45	-1,851.21	199.57	1,895.96	1,793.03	102.94	18.419	
2,800.00	2,790.11	2,723.50	2,790.11	0.00	106.94	-102.72	-1,851.21	199.57	1,897.98	1,791.06	106.92	17.752	
2,900.00	2,889.68	2,823.07	2,889.68	0.00	110.92	-102.99	-1,851.21	199.57	1,900.04	1,789.14	110.90	17.133	
3,000.00	2,989.26	2,922.65	2,989.26	0.00	114.91	-103.26	-1,851.21	199.57	1,902.14	1,787.26	114.88	16.558	
3,100.00	3,088.83	3,022.22	3,088.83	0.00	118.89	-103.53	-1,851.21	199.57	1,904.28	1,785.42	118.86	16.021	
3,200.00	3,188.41	3,121.80	3,188.41	0.00	122.87	-103.80	-1,851.21	199.57	1,906.47	1,783.63	122.84	15.520	
3,300.00	3,287.98	3,221.37	3,287.98	0.00	126.85	-104.06	-1,851.21	199.57	1,908.70	1,781.87	126.82	15.050	
3,400.00	3,387.56	3,320.95	3,387.56	0.00	130.84	-104.33	-1,851.21	199.57	1,910.97	1,780.16	130.80	14.609	ES
3,500.00	3,487.13	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,913.61	1,780.24	133.36	14.349	SF
3,600.00	3,586.70	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,920.39	1,787.02	133.36	14.400	
3,700.00	3,686.28	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,932.33	1,798.96	133.36	14.489	
3,800.00	3,785.85	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,949.33	1,815.96	133.36	14.617	
3,900.00	3,885.43	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,971.26	1,837.90	133.36	14.781	
4,000.00	3,985.00	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	1,997.97	1,864.60	133.36	14.981	
4,100.00	4,084.58	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,029.26	1,895.89	133.36	15.216	
4,200.00	4,184.15	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,064.92	1,931.55	133.36	15.483	
4,300.00	4,283.72	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,104.73	1,971.36	133.36	15.782	
4,400.00	4,383.30	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,148.46	2,015.09	133.36	16.110	
4,500.00	4,482.87	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,195.88	2,062.51	133.36	16.465	
4,600.00	4,582.45	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,246.75	2,113.38	133.36	16.847	
4,700.00	4,682.02	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,300.84	2,167.48	133.36	17.252	
4,800.00	4,781.60	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,357.94	2,224.57	133.36	17.680	
4,900.00	4,881.17	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,417.82	2,284.46	133.36	18.129	
5,000.00	4,980.74	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,480.29	2,346.93	133.36	18.598	
5,100.00	5,080.32	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,545.16	2,411.80	133.36	19.084	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,612.25	2,478.89	133.36	19.587	
5,300.00	5,279.47	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,681.39	2,548.02	133.36	20.106	
5,400.00	5,379.04	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,752.43	2,619.06	133.36	20.638	
5,500.00	5,478.62	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,825.22	2,691.85	133.36	21.184	
5,600.00	5,578.19	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,899.63	2,766.26	133.36	21.742	
5,700.00	5,677.77	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	2,975.54	2,842.18	133.36	22.311	
5,800.00	5,777.34	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,052.84	2,919.48	133.36	22.891	
5,900.00	5,876.91	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,131.43	2,998.06	133.36	23.480	
6,000.00	5,976.49	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,211.20	3,077.84	133.36	24.078	
6,100.00	6,076.06	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,292.09	3,158.72	133.36	24.685	
6,200.00	6,175.64	3,385.00	3,451.61	0.00	133.40	-104.50	-1,851.21	199.57	3,373.99	3,240.63	133.36	25.299	
6,300.00	6,275.24	3,385.00	3,451.61	0.00	133.40	-105.64	-1,851.21	199.57	3,456.81	3,323.44	133.37	25.919	
6,400.00	6,375.04	3,385.00	3,451.61	0.00	133.40	-108.51	-1,851.21	199.57	3,540.09	3,406.71	133.39	26.540	
6,500.00	6,475.00	3,385.00	3,451.61	0.00	133.40	-111.37	-1,851.21	199.57	3,623.62	3,490.22	133.40	27.164	
6,600.00	6,575.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	3,707.49	3,574.09	133.40	27.792	
6,700.00	6,675.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	3,792.12	3,658.72	133.40	28.427	
6,800.00	6,775.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	3,877.48	3,744.08	133.40	29.066	
6,900.00	6,875.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	3,963.52	3,830.12	133.40	29.712	
7,000.00	6,975.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,050.21	3,916.81	133.40	30.361	
7,100.00	7,075.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,137.50	4,004.09	133.40	31.016	
7,200.00	7,175.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,225.35	4,091.95	133.40	31.674	
7,300.00	7,275.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,313.72	4,180.32	133.40	32.337	
7,400.00	7,375.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,402.60	4,269.20	133.40	33.003	
7,500.00	7,475.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,491.95	4,358.55	133.40	33.673	
7,600.00	7,575.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,581.73	4,448.33	133.40	34.346	
7,700.00	7,675.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,671.93	4,538.53	133.40	35.022	
7,800.00	7,775.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,762.52	4,629.12	133.40	35.701	
7,900.00	7,875.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,853.48	4,720.08	133.40	36.383	
8,000.00	7,975.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	4,944.79	4,811.39	133.40	37.067	
8,100.00	8,075.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	5,036.43	4,903.03	133.40	37.754	
8,200.00	8,175.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	5,128.38	4,994.98	133.40	38.444	
8,300.00	8,275.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	5,220.63	5,087.23	133.40	39.135	
8,400.00	8,375.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	5,313.16	5,179.76	133.40	39.829	
8,475.00	8,450.00	3,385.00	3,451.61	0.00	133.40	157.98	-1,851.21	199.57	5,382.73	5,249.33	133.40	40.350	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	2.28	0.00	0.00	12.76	719.05	162.79	737.25				
100.00	100.00	97.72	100.00	0.00	1.95	12.76	719.05	162.79	737.25	735.29	1.95	377.185	
200.00	200.00	197.72	200.00	0.00	5.91	12.76	719.05	162.79	737.25	731.34	5.91	124.767	
300.00	300.00	297.72	300.00	0.00	9.91	12.76	719.05	162.79	737.25	727.34	9.91	74.402	CC
400.00	399.98	397.70	399.98	0.00	13.91	102.83	719.05	162.79	737.63	723.73	13.91	53.037	
500.00	499.84	497.56	499.84	0.00	17.90	103.20	719.05	162.79	738.81	720.91	17.90	41.274	
600.00	599.47	597.19	599.47	0.00	21.89	103.81	719.05	162.79	740.80	718.92	21.88	33.853	
700.00	699.05	696.77	699.05	0.00	25.87	104.50	719.05	162.79	743.07	717.20	25.86	28.730	
800.00	798.62	796.34	798.62	0.00	29.85	105.18	719.05	162.79	745.44	715.59	29.85	24.977	
900.00	898.20	895.92	898.20	0.00	33.84	105.86	719.05	162.79	747.91	714.09	33.83	22.111	
1,000.00	997.77	995.49	997.77	0.00	37.82	106.54	719.05	162.79	750.49	712.69	37.81	19.851	
1,100.00	1,097.35	1,095.07	1,097.35	0.00	41.80	107.21	719.05	162.79	753.18	711.39	41.79	18.024	
1,200.00	1,196.92	1,194.64	1,196.92	0.00	45.79	107.87	719.05	162.79	755.97	710.20	45.77	16.518	
1,300.00	1,296.49	1,294.21	1,296.49	0.00	49.77	108.53	719.05	162.79	758.86	709.11	49.75	15.254	
1,400.00	1,396.07	1,393.79	1,396.07	0.00	53.75	109.18	719.05	162.79	761.85	708.12	53.73	14.180	
1,500.00	1,495.64	1,493.36	1,495.64	0.00	57.73	109.83	719.05	162.79	764.94	707.23	57.71	13.256	
1,600.00	1,595.22	1,592.94	1,595.22	0.00	61.72	110.48	719.05	162.79	768.13	706.44	61.69	12.452	
1,700.00	1,694.79	1,692.51	1,694.79	0.00	65.70	111.12	719.05	162.79	771.41	705.75	65.66	11.748	
1,800.00	1,794.37	1,792.09	1,794.37	0.00	69.68	111.75	719.05	162.79	774.79	705.15	69.64	11.125	
1,900.00	1,893.94	1,891.66	1,893.94	0.00	73.67	112.38	719.05	162.79	778.27	704.64	73.62	10.571	
2,000.00	1,993.51	1,991.23	1,993.51	0.00	77.65	113.00	719.05	162.79	781.83	704.24	77.60	10.075	
2,100.00	2,093.09	2,090.81	2,093.09	0.00	81.63	113.62	719.05	162.79	785.49	703.92	81.58	9.629	
2,200.00	2,192.66	2,190.38	2,192.66	0.00	85.62	114.23	719.05	162.79	789.25	703.69	85.55	9.225	
2,300.00	2,292.24	2,289.96	2,292.24	0.00	89.60	114.83	719.05	162.79	793.09	703.55	89.53	8.858	
2,400.00	2,391.81	2,389.53	2,391.81	0.00	93.58	115.43	719.05	162.79	797.01	703.51	93.51	8.523	ES
2,500.00	2,491.39	2,489.11	2,491.39	0.00	97.56	116.03	719.05	162.79	801.03	703.54	97.48	8.217	
2,600.00	2,590.96	2,588.68	2,590.96	0.00	101.55	116.61	719.05	162.79	805.13	703.67	101.46	7.935	
2,700.00	2,690.53	2,688.25	2,690.53	0.00	105.53	117.19	719.05	162.79	809.31	703.88	105.44	7.676	
2,800.00	2,790.11	2,787.83	2,790.11	0.00	109.51	117.77	719.05	162.79	813.58	704.17	109.41	7.436	
2,900.00	2,889.68	2,887.40	2,889.68	0.00	113.50	118.34	719.05	162.79	817.93	704.54	113.39	7.214	
3,000.00	2,989.26	2,986.98	2,989.26	0.00	117.48	118.90	719.05	162.79	822.36	705.00	117.36	7.007	
3,100.00	3,088.83	3,086.55	3,088.83	0.00	121.46	119.46	719.05	162.79	826.87	705.53	121.34	6.815	
3,200.00	3,188.41	3,186.13	3,188.41	0.00	125.45	120.01	719.05	162.79	831.46	706.14	125.31	6.635	
3,300.00	3,287.98	3,285.70	3,287.98	0.00	129.43	120.56	719.05	162.79	836.12	706.83	129.29	6.467	
3,400.00	3,387.56	3,385.28	3,387.56	0.00	133.41	121.10	719.05	162.79	840.86	707.60	133.26	6.310	
3,500.00	3,487.13	3,484.85	3,487.13	0.00	137.39	121.63	719.05	162.79	845.67	708.44	137.23	6.162	
3,600.00	3,586.70	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	852.99	714.35	138.64	6.153	SF
3,700.00	3,686.28	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	871.09	732.45	138.64	6.283	
3,800.00	3,785.85	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	900.00	761.36	138.64	6.492	
3,900.00	3,885.43	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	938.72	800.08	138.64	6.771	
4,000.00	3,985.00	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	986.10	847.46	138.64	7.113	
4,100.00	4,084.58	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,040.96	902.32	138.64	7.509	
4,200.00	4,184.15	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,102.18	963.54	138.64	7.950	
4,300.00	4,283.72	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,168.76	1,030.12	138.64	8.430	
4,400.00	4,383.30	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,239.84	1,101.20	138.64	8.943	
4,500.00	4,482.87	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,314.68	1,176.05	138.64	9.483	
4,600.00	4,582.45	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,392.69	1,254.06	138.64	10.046	
4,700.00	4,682.02	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,473.36	1,334.72	138.64	10.628	
4,800.00	4,781.60	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,556.28	1,417.64	138.64	11.226	
4,900.00	4,881.17	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,641.09	1,502.46	138.64	11.837	
5,000.00	4,980.74	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,727.54	1,588.90	138.64	12.461	
5,100.00	5,080.32	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,815.38	1,676.74	138.64	13.095	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 498A - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,904.41	1,765.78	138.64	13.737	
5,300.00	5,279.47	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	1,994.49	1,855.85	138.64	14.386	
5,400.00	5,379.04	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,085.47	1,946.84	138.64	15.043	
5,500.00	5,478.62	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,177.24	2,038.61	138.64	15.705	
5,600.00	5,578.19	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,269.71	2,131.08	138.64	16.372	
5,700.00	5,677.77	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,362.79	2,224.16	138.64	17.043	
5,800.00	5,777.34	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,456.42	2,317.78	138.64	17.718	
5,900.00	5,876.91	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,550.53	2,411.89	138.64	18.397	
6,000.00	5,976.49	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,645.07	2,506.43	138.64	19.079	
6,100.00	6,076.06	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,740.00	2,601.36	138.64	19.764	
6,200.00	6,175.64	3,520.00	3,522.28	0.00	138.80	121.82	719.05	162.79	2,835.28	2,696.64	138.64	20.451	
6,300.00	6,275.24	3,520.00	3,522.28	0.00	138.80	123.97	719.05	162.79	2,930.83	2,792.16	138.67	21.136	
6,400.00	6,375.04	3,520.00	3,522.28	0.00	138.80	129.06	719.05	162.79	3,026.20	2,887.45	138.75	21.811	
6,500.00	6,475.00	3,520.00	3,522.28	0.00	138.80	133.63	719.05	162.79	3,121.20	2,982.40	138.80	22.487	
6,600.00	6,575.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,215.99	3,077.19	138.80	23.170	
6,700.00	6,675.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,311.06	3,172.26	138.80	23.855	
6,800.00	6,775.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,406.42	3,267.62	138.80	24.542	
6,900.00	6,875.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,502.03	3,363.23	138.80	25.231	
7,000.00	6,975.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,597.88	3,459.08	138.80	25.921	
7,100.00	7,075.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,693.96	3,555.16	138.80	26.613	
7,200.00	7,175.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,790.23	3,651.43	138.80	27.307	
7,300.00	7,275.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,886.70	3,747.90	138.80	28.002	
7,400.00	7,375.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	3,983.33	3,844.53	138.80	28.698	
7,500.00	7,475.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,080.13	3,941.33	138.80	29.396	
7,600.00	7,575.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,177.09	4,038.29	138.80	30.094	
7,700.00	7,675.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,274.18	4,135.38	138.80	30.794	
7,800.00	7,775.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,371.40	4,232.60	138.80	31.494	
7,900.00	7,875.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,468.74	4,329.94	138.80	32.196	
8,000.00	7,975.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,566.20	4,427.40	138.80	32.898	
8,100.00	8,075.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,663.77	4,524.97	138.80	33.601	
8,200.00	8,175.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,761.44	4,622.64	138.80	34.304	
8,300.00	8,275.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,859.20	4,720.40	138.80	35.009	
8,400.00	8,375.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	4,957.06	4,818.26	138.80	35.714	
8,475.00	8,450.00	3,520.00	3,522.28	0.00	138.80	44.75	719.05	162.79	5,030.50	4,891.70	138.80	36.243	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.31	0.00	0.00	0.03	75.19	968.59	3,663.09	3,788.98				
100.00	100.00	101.31	100.00	0.00	2.05	75.19	968.59	3,663.09	3,788.98	3,786.93	2.05	1,845.943	
200.00	200.00	201.31	200.00	0.00	6.05	75.19	968.59	3,663.09	3,788.98	3,782.93	6.05	626.009	
300.00	300.00	301.31	300.00	0.00	10.05	75.19	968.59	3,663.09	3,788.98	3,778.93	10.05	376.916	CC
400.00	399.98	401.29	399.98	0.00	14.05	165.13	968.59	3,663.09	3,790.67	3,776.63	14.04	269.918	ES
500.00	499.84	501.15	499.84	0.00	18.05	165.13	968.59	3,663.09	3,795.73	3,777.72	18.01	210.815	
600.00	599.47	600.78	599.47	0.00	22.03	165.13	968.59	3,663.09	3,803.94	3,782.00	21.94	173.348	
700.00	699.05	700.36	699.05	0.00	26.01	165.17	968.59	3,663.09	3,812.85	3,786.94	25.91	147.152	
800.00	798.62	799.93	798.62	0.00	30.00	165.20	968.59	3,663.09	3,821.77	3,791.89	29.88	127.912	
900.00	898.20	899.51	898.20	0.00	33.98	165.24	968.59	3,663.09	3,830.68	3,796.83	33.85	113.182	
1,000.00	997.77	999.08	997.77	0.00	37.96	165.27	968.59	3,663.09	3,839.60	3,801.78	37.81	101.544	
1,100.00	1,097.35	1,098.66	1,097.35	0.00	41.95	165.31	968.59	3,663.09	3,848.51	3,806.73	41.78	92.115	
1,200.00	1,196.92	1,198.23	1,196.92	0.00	45.93	165.34	968.59	3,663.09	3,857.43	3,811.68	45.75	84.322	
1,300.00	1,296.49	1,297.80	1,296.49	0.00	49.91	165.38	968.59	3,663.09	3,866.35	3,816.64	49.71	77.773	
1,400.00	1,396.07	1,397.38	1,396.07	0.00	53.90	165.41	968.59	3,663.09	3,875.27	3,821.59	53.68	72.191	
1,500.00	1,495.64	1,496.95	1,495.64	0.00	57.88	165.45	968.59	3,663.09	3,884.20	3,826.55	57.65	67.378	
1,600.00	1,595.22	1,596.53	1,595.22	0.00	61.86	165.48	968.59	3,663.09	3,893.12	3,831.51	61.61	63.185	
1,700.00	1,694.79	1,696.10	1,694.79	0.00	65.84	165.51	968.59	3,663.09	3,902.05	3,836.46	65.58	59.499	
1,800.00	1,794.37	1,795.68	1,794.37	0.00	69.83	165.55	968.59	3,663.09	3,910.97	3,841.42	69.55	56.234	
1,900.00	1,893.94	1,895.25	1,893.94	0.00	73.81	165.58	968.59	3,663.09	3,919.90	3,846.38	73.52	53.321	
2,000.00	1,993.51	1,994.82	1,993.51	0.00	77.79	165.62	968.59	3,663.09	3,928.83	3,851.35	77.48	50.706	
2,100.00	2,093.09	2,094.40	2,093.09	0.00	81.78	165.65	968.59	3,663.09	3,937.76	3,856.31	81.45	48.346	
2,200.00	2,192.66	2,193.97	2,192.66	0.00	85.76	165.68	968.59	3,663.09	3,946.69	3,861.28	85.42	46.205	
2,300.00	2,292.24	2,293.55	2,292.24	0.00	89.74	165.72	968.59	3,663.09	3,955.63	3,866.24	89.38	44.255	
2,400.00	2,391.81	2,393.12	2,391.81	0.00	93.72	165.75	968.59	3,663.09	3,964.56	3,871.21	93.35	42.470	
2,500.00	2,491.39	2,492.70	2,491.39	0.00	97.71	165.78	968.59	3,663.09	3,973.50	3,876.18	97.32	40.830	
2,600.00	2,590.96	2,592.27	2,590.96	0.00	101.69	165.81	968.59	3,663.09	3,982.43	3,881.15	101.28	39.319	
2,700.00	2,690.53	2,691.84	2,690.53	0.00	105.67	165.85	968.59	3,663.09	3,991.37	3,886.12	105.25	37.922	
2,800.00	2,790.11	2,791.42	2,790.11	0.00	109.66	165.88	968.59	3,663.09	4,000.31	3,891.09	109.22	36.627	
2,900.00	2,889.68	2,890.99	2,889.68	0.00	113.64	165.91	968.59	3,663.09	4,009.25	3,896.07	113.18	35.422	
3,000.00	2,989.26	2,990.57	2,989.26	0.00	117.62	165.94	968.59	3,663.09	4,018.20	3,901.04	117.15	34.299	
3,100.00	3,088.83	3,090.14	3,088.83	0.00	121.61	165.97	968.59	3,663.09	4,027.14	3,906.02	121.12	33.250	
3,200.00	3,188.41	3,189.72	3,188.41	0.00	125.59	166.01	968.59	3,663.09	4,036.08	3,911.00	125.09	32.267	
3,300.00	3,287.98	3,289.29	3,287.98	0.00	129.57	166.04	968.59	3,663.09	4,045.03	3,915.98	129.05	31.344	
3,400.00	3,387.56	3,388.87	3,387.56	0.00	133.55	166.07	968.59	3,663.09	4,053.98	3,920.96	133.02	30.477	
3,500.00	3,487.13	3,488.44	3,487.13	0.00	137.54	166.10	968.59	3,663.09	4,062.93	3,925.94	136.99	29.659	
3,600.00	3,586.70	3,588.01	3,586.70	0.00	141.52	166.13	968.59	3,663.09	4,071.88	3,930.92	140.95	28.888	
3,700.00	3,686.28	3,687.59	3,686.28	0.00	145.50	166.16	968.59	3,663.09	4,080.83	3,935.91	144.92	28.159	
3,800.00	3,785.85	3,787.16	3,785.85	0.00	149.49	166.19	968.59	3,663.09	4,089.78	3,940.89	148.89	27.469	
3,900.00	3,885.43	3,886.74	3,885.43	0.00	153.47	166.22	968.59	3,663.09	4,098.73	3,945.88	152.85	26.815	
4,000.00	3,985.00	3,986.31	3,985.00	0.00	157.45	166.25	968.59	3,663.09	4,107.69	3,950.87	156.82	26.194	
4,100.00	4,084.58	4,085.89	4,084.58	0.00	161.44	166.28	968.59	3,663.09	4,116.64	3,955.85	160.79	25.603	
4,200.00	4,184.15	4,185.46	4,184.15	0.00	165.42	166.32	968.59	3,663.09	4,125.60	3,960.84	164.75	25.041	
4,300.00	4,283.72	4,285.03	4,283.72	0.00	169.40	166.35	968.59	3,663.09	4,134.56	3,965.84	168.72	24.505	
4,400.00	4,383.30	4,384.61	4,383.30	0.00	173.38	166.38	968.59	3,663.09	4,143.52	3,970.83	172.69	23.994	
4,500.00	4,482.87	4,484.18	4,482.87	0.00	177.37	166.41	968.59	3,663.09	4,152.48	3,975.82	176.65	23.506	
4,600.00	4,582.45	4,583.76	4,582.45	0.00	181.35	166.44	968.59	3,663.09	4,161.44	3,980.82	180.62	23.040	
4,700.00	4,682.02	4,683.33	4,682.02	0.00	185.33	166.46	968.59	3,663.09	4,170.40	3,985.81	184.59	22.593	
4,800.00	4,781.60	4,782.91	4,781.60	0.00	189.32	166.49	968.59	3,663.09	4,179.36	3,990.81	188.55	22.165	
4,900.00	4,881.17	4,882.48	4,881.17	0.00	193.30	166.52	968.59	3,663.09	4,188.33	3,995.81	192.52	21.755	
5,000.00	4,980.74	4,982.05	4,980.74	0.00	197.28	166.55	968.59	3,663.09	4,197.29	4,000.80	196.49	21.362	
5,100.00	5,080.32	5,081.63	5,080.32	0.00	201.27	166.58	968.59	3,663.09	4,206.26	4,005.80	200.45	20.984	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,181.20	5,179.89	0.00	205.25	166.61	968.59	3,663.09	4,215.23	4,010.81	204.42	20.620	
5,300.00	5,279.47	5,280.78	5,279.47	0.00	209.23	166.64	968.59	3,663.09	4,224.20	4,015.81	208.39	20.271	
5,400.00	5,379.04	5,380.35	5,379.04	0.00	213.21	166.67	968.59	3,663.09	4,233.17	4,020.81	212.36	19.934	
5,500.00	5,478.62	5,479.93	5,478.62	0.00	217.20	166.70	968.59	3,663.09	4,242.14	4,025.81	216.32	19.610	
5,600.00	5,578.19	5,579.50	5,578.19	0.00	221.18	166.73	968.59	3,663.09	4,251.11	4,030.82	220.29	19.298	
5,700.00	5,677.77	5,679.08	5,677.77	0.00	225.16	166.75	968.59	3,663.09	4,260.08	4,035.83	224.26	18.997	
5,800.00	5,777.34	5,778.65	5,777.34	0.00	229.15	166.78	968.59	3,663.09	4,269.06	4,040.83	228.22	18.706	
5,900.00	5,876.91	5,878.22	5,876.91	0.00	233.13	166.81	968.59	3,663.09	4,278.03	4,045.84	232.19	18.425	
6,000.00	5,976.49	5,977.80	5,976.49	0.00	237.11	166.84	968.59	3,663.09	4,287.01	4,050.85	236.16	18.153	
6,100.00	6,076.06	6,077.37	6,076.06	0.00	241.09	166.87	968.59	3,663.09	4,295.98	4,055.86	240.12	17.891	
6,200.00	6,175.64	6,176.95	6,175.64	0.00	245.08	166.90	968.59	3,663.09	4,304.96	4,060.87	244.09	17.637	
6,300.00	6,275.24	6,276.55	6,275.24	0.00	249.06	166.94	968.59	3,663.09	4,313.68	4,065.35	248.33	17.371	
6,400.00	6,375.04	6,376.35	6,375.04	0.00	253.05	166.98	968.59	3,663.09	4,319.63	4,066.80	252.83	17.085	
6,500.00	6,475.00	6,476.31	6,475.00	0.00	257.05	167.00	968.59	3,663.09	4,322.18	4,065.13	257.04	16.815	
6,600.00	6,575.00	6,576.31	6,575.00	0.00	261.05	77.06	968.59	3,663.09	4,322.28	4,061.23	261.05	16.557	
6,700.00	6,675.00	6,676.31	6,675.00	0.00	265.05	77.06	968.59	3,663.09	4,322.28	4,057.23	265.05	16.307	
6,800.00	6,775.00	6,776.31	6,775.00	0.00	269.05	77.06	968.59	3,663.09	4,322.28	4,053.23	269.05	16.065	
6,900.00	6,875.00	6,876.31	6,875.00	0.00	273.05	77.06	968.59	3,663.09	4,322.28	4,049.23	273.05	15.829	
7,000.00	6,975.00	6,976.31	6,975.00	0.00	277.05	77.06	968.59	3,663.09	4,322.28	4,045.23	277.05	15.601	
7,100.00	7,075.00	7,076.31	7,075.00	0.00	281.05	77.06	968.59	3,663.09	4,322.28	4,041.23	281.05	15.379	
7,200.00	7,175.00	7,176.31	7,175.00	0.00	285.05	77.06	968.59	3,663.09	4,322.28	4,037.23	285.05	15.163	
7,300.00	7,275.00	7,276.31	7,275.00	0.00	289.05	77.06	968.59	3,663.09	4,322.28	4,033.23	289.05	14.953	
7,400.00	7,375.00	7,376.31	7,375.00	0.00	293.05	77.06	968.59	3,663.09	4,322.28	4,029.23	293.05	14.749	
7,500.00	7,475.00	7,476.31	7,475.00	0.00	297.05	77.06	968.59	3,663.09	4,322.28	4,025.23	297.05	14.551	
7,600.00	7,575.00	7,576.31	7,575.00	0.00	301.05	77.06	968.59	3,663.09	4,322.28	4,021.23	301.05	14.357	
7,700.00	7,675.00	7,676.31	7,675.00	0.00	305.05	77.06	968.59	3,663.09	4,322.28	4,017.23	305.05	14.169	
7,800.00	7,775.00	7,776.31	7,775.00	0.00	309.05	77.06	968.59	3,663.09	4,322.28	4,013.23	309.05	13.986	
7,900.00	7,875.00	7,876.31	7,875.00	0.00	313.05	77.06	968.59	3,663.09	4,322.28	4,009.23	313.05	13.807	
8,000.00	7,975.00	7,976.31	7,975.00	0.00	317.05	77.06	968.59	3,663.09	4,322.28	4,005.23	317.05	13.633	
8,100.00	8,075.00	8,076.31	8,075.00	0.00	321.05	77.06	968.59	3,663.09	4,322.28	4,001.23	321.05	13.463	
8,134.24	8,109.24	8,110.55	8,109.24	0.00	322.42	77.06	968.59	3,663.09	4,322.28	3,999.86	322.42	13.406	
8,200.00	8,175.00	8,127.00	8,125.69	0.00	323.08	77.06	968.59	3,663.09	4,322.56	3,999.48	323.08	13.379	SF
8,300.00	8,275.00	8,127.00	8,125.69	0.00	323.08	77.06	968.59	3,663.09	4,324.86	4,001.78	323.08	13.386	
8,400.00	8,375.00	8,127.00	8,125.69	0.00	323.08	77.06	968.59	3,663.09	4,329.47	4,006.39	323.08	13.401	
8,475.00	8,450.00	8,127.00	8,125.69	0.00	323.08	77.06	968.59	3,663.09	4,334.43	4,011.35	323.08	13.416	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-UNKNOWN — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	42.16	0.00	0.00	127.38	-2,263.00	2,962.28	3,728.01				
100.00	100.00	57.84	100.00	0.00	1.16	127.38	-2,263.00	2,962.28	3,727.77	3,726.61	1.16	3,221.693	
200.00	200.00	157.84	200.00	0.00	4.31	127.38	-2,263.00	2,962.28	3,727.77	3,723.46	4.31	864.150	
300.00	300.00	257.84	300.00	0.00	8.31	127.38	-2,263.00	2,962.28	3,727.77	3,719.46	8.31	448.383	CC
400.00	399.98	357.82	399.98	0.00	12.31	-142.68	-2,263.00	2,962.28	3,729.16	3,716.85	12.31	302.981	ES
500.00	499.84	457.68	499.84	0.00	16.31	-142.68	-2,263.00	2,962.28	3,733.32	3,717.04	16.28	229.289	
600.00	599.47	557.31	599.47	0.00	20.29	-142.70	-2,263.00	2,962.28	3,740.09	3,719.85	20.24	184.804	
700.00	699.05	656.89	699.05	0.00	24.28	-142.79	-2,263.00	2,962.28	3,747.44	3,723.22	24.21	154.787	
800.00	798.62	756.46	798.62	0.00	28.26	-142.87	-2,263.00	2,962.28	3,754.79	3,726.61	28.18	133.232	
900.00	898.20	856.04	898.20	0.00	32.24	-142.96	-2,263.00	2,962.28	3,762.16	3,730.00	32.15	117.003	
1,000.00	997.77	955.61	997.77	0.00	36.22	-143.04	-2,263.00	2,962.28	3,769.53	3,733.40	36.13	104.343	
1,100.00	1,097.35	1,055.19	1,097.35	0.00	40.21	-143.13	-2,263.00	2,962.28	3,776.91	3,736.81	40.10	94.192	
1,200.00	1,196.92	1,154.76	1,196.92	0.00	44.19	-143.21	-2,263.00	2,962.28	3,784.30	3,740.23	44.07	85.870	
1,300.00	1,296.49	1,254.33	1,296.49	0.00	48.17	-143.29	-2,263.00	2,962.28	3,791.69	3,743.65	48.04	78.925	
1,400.00	1,396.07	1,353.91	1,396.07	0.00	52.16	-143.38	-2,263.00	2,962.28	3,799.10	3,747.08	52.01	73.040	
1,500.00	1,495.64	1,453.48	1,495.64	0.00	56.14	-143.46	-2,263.00	2,962.28	3,806.51	3,750.52	55.99	67.991	
1,600.00	1,595.22	1,553.06	1,595.22	0.00	60.12	-143.54	-2,263.00	2,962.28	3,813.93	3,753.97	59.96	63.611	
1,700.00	1,694.79	1,652.63	1,694.79	0.00	64.11	-143.62	-2,263.00	2,962.28	3,821.36	3,757.43	63.93	59.775	
1,800.00	1,794.37	1,752.21	1,794.37	0.00	68.09	-143.71	-2,263.00	2,962.28	3,828.79	3,760.89	67.90	56.388	
1,900.00	1,893.94	1,851.78	1,893.94	0.00	72.07	-143.79	-2,263.00	2,962.28	3,836.24	3,764.36	71.87	53.376	
2,000.00	1,993.51	1,951.35	1,993.51	0.00	76.05	-143.87	-2,263.00	2,962.28	3,843.69	3,767.84	75.84	50.679	
2,100.00	2,093.09	2,050.93	2,093.09	0.00	80.04	-143.95	-2,263.00	2,962.28	3,851.15	3,771.33	79.81	48.251	
2,200.00	2,192.66	2,150.50	2,192.66	0.00	84.02	-144.03	-2,263.00	2,962.28	3,858.61	3,774.83	83.79	46.053	
2,300.00	2,292.24	2,250.08	2,292.24	0.00	88.00	-144.11	-2,263.00	2,962.28	3,866.09	3,778.33	87.76	44.054	
2,400.00	2,391.81	2,349.65	2,391.81	0.00	91.99	-144.19	-2,263.00	2,962.28	3,873.57	3,781.84	91.73	42.228	
2,500.00	2,491.39	2,449.23	2,491.39	0.00	95.97	-144.27	-2,263.00	2,962.28	3,881.06	3,785.36	95.70	40.554	
2,600.00	2,590.96	2,548.80	2,590.96	0.00	99.95	-144.35	-2,263.00	2,962.28	3,888.55	3,788.88	99.67	39.014	
2,700.00	2,690.53	2,648.37	2,690.53	0.00	103.93	-144.43	-2,263.00	2,962.28	3,896.06	3,792.41	103.64	37.591	
2,800.00	2,790.11	2,747.95	2,790.11	0.00	107.92	-144.50	-2,263.00	2,962.28	3,903.57	3,795.95	107.61	36.274	
2,900.00	2,889.68	2,847.52	2,889.68	0.00	111.90	-144.58	-2,263.00	2,962.28	3,911.09	3,799.50	111.59	35.050	
3,000.00	2,989.26	2,947.10	2,989.26	0.00	115.88	-144.66	-2,263.00	2,962.28	3,918.61	3,803.06	115.56	33.911	
3,100.00	3,088.83	3,046.67	3,088.83	0.00	119.87	-144.74	-2,263.00	2,962.28	3,926.15	3,806.62	119.53	32.847	
3,200.00	3,188.41	3,146.25	3,188.41	0.00	123.85	-144.82	-2,263.00	2,962.28	3,933.69	3,810.19	123.50	31.852	
3,300.00	3,287.98	3,245.82	3,287.98	0.00	127.83	-144.89	-2,263.00	2,962.28	3,941.23	3,813.76	127.47	30.919	
3,400.00	3,387.56	3,345.40	3,387.56	0.00	131.82	-144.97	-2,263.00	2,962.28	3,948.79	3,817.35	131.44	30.042	
3,500.00	3,487.13	3,444.97	3,487.13	0.00	135.80	-145.05	-2,263.00	2,962.28	3,956.35	3,820.94	135.41	29.217	
3,600.00	3,586.70	3,544.54	3,586.70	0.00	139.78	-145.12	-2,263.00	2,962.28	3,963.92	3,824.53	139.38	28.439	
3,700.00	3,686.28	3,644.12	3,686.28	0.00	143.76	-145.20	-2,263.00	2,962.28	3,971.49	3,828.14	143.35	27.704	
3,800.00	3,785.85	3,743.69	3,785.85	0.00	147.75	-145.27	-2,263.00	2,962.28	3,979.07	3,831.75	147.32	27.009	
3,900.00	3,885.43	3,843.27	3,885.43	0.00	151.73	-145.35	-2,263.00	2,962.28	3,986.66	3,835.37	151.29	26.350	
4,000.00	3,985.00	3,942.84	3,985.00	0.00	155.71	-145.42	-2,263.00	2,962.28	3,994.26	3,838.99	155.26	25.725	
4,100.00	4,084.58	4,042.42	4,084.58	0.00	159.70	-145.50	-2,263.00	2,962.28	4,001.86	3,842.63	159.24	25.132	
4,200.00	4,184.15	4,141.99	4,184.15	0.00	163.68	-145.57	-2,263.00	2,962.28	4,009.47	3,846.26	163.21	24.567	
4,300.00	4,283.72	4,241.56	4,283.72	0.00	167.66	-145.65	-2,263.00	2,962.28	4,017.09	3,849.91	167.18	24.029	
4,400.00	4,383.30	4,341.14	4,383.30	0.00	171.65	-145.72	-2,263.00	2,962.28	4,024.71	3,853.56	171.15	23.516	
4,500.00	4,482.87	4,440.71	4,482.87	0.00	175.63	-145.80	-2,263.00	2,962.28	4,032.34	3,857.22	175.12	23.026	
4,600.00	4,582.45	4,540.29	4,582.45	0.00	179.61	-145.87	-2,263.00	2,962.28	4,039.98	3,860.89	179.09	22.559	
4,700.00	4,682.02	4,639.86	4,682.02	0.00	183.59	-145.94	-2,263.00	2,962.28	4,047.62	3,864.56	183.06	22.111	
4,800.00	4,781.60	4,739.44	4,781.60	0.00	187.58	-146.02	-2,263.00	2,962.28	4,055.27	3,868.24	187.03	21.683	
4,900.00	4,881.17	4,839.01	4,881.17	0.00	191.56	-146.09	-2,263.00	2,962.28	4,062.92	3,871.92	191.00	21.272	
5,000.00	4,980.74	4,938.58	4,980.74	0.00	195.54	-146.16	-2,263.00	2,962.28	4,070.59	3,875.62	194.97	20.878	
5,100.00	5,080.32	5,038.16	5,080.32	0.00	199.53	-146.23	-2,263.00	2,962.28	4,078.25	3,879.31	198.94	20.500	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 58M - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-UNKNOWN

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,137.73	5,179.89	0.00	203.51	-146.30	-2,263.00	2,962.28	4,085.93	3,883.02	202.91	20.137	
5,300.00	5,279.47	5,237.31	5,279.47	0.00	207.49	-146.38	-2,263.00	2,962.28	4,093.61	3,886.73	206.88	19.787	
5,400.00	5,379.04	5,336.88	5,379.04	0.00	211.48	-146.45	-2,263.00	2,962.28	4,101.30	3,890.45	210.85	19.451	
5,500.00	5,478.62	5,436.46	5,478.62	0.00	215.46	-146.52	-2,263.00	2,962.28	4,108.99	3,894.17	214.82	19.128	
5,600.00	5,578.19	5,536.03	5,578.19	0.00	219.44	-146.59	-2,263.00	2,962.28	4,116.69	3,897.90	218.79	18.816	
5,700.00	5,677.77	5,635.61	5,677.77	0.00	223.42	-146.66	-2,263.00	2,962.28	4,124.40	3,901.64	222.76	18.515	
5,800.00	5,777.34	5,735.18	5,777.34	0.00	227.41	-146.73	-2,263.00	2,962.28	4,132.11	3,905.38	226.73	18.225	
5,900.00	5,876.91	5,834.75	5,876.91	0.00	231.39	-146.80	-2,263.00	2,962.28	4,139.83	3,909.13	230.70	17.945	
6,000.00	5,976.49	5,934.33	5,976.49	0.00	235.37	-146.87	-2,263.00	2,962.28	4,147.56	3,912.89	234.67	17.674	
6,100.00	6,076.06	6,033.90	6,076.06	0.00	239.36	-146.94	-2,263.00	2,962.28	4,155.29	3,916.65	238.64	17.412	
6,200.00	6,175.64	6,133.48	6,175.64	0.00	243.34	-147.01	-2,263.00	2,962.28	4,163.02	3,920.41	242.61	17.159	
6,300.00	6,275.24	6,233.08	6,275.24	0.00	247.32	-147.10	-2,263.00	2,962.28	4,170.54	3,923.76	246.79	16.899	
6,400.00	6,375.04	6,332.88	6,375.04	0.00	251.32	-147.21	-2,263.00	2,962.28	4,175.67	3,924.53	251.15	16.626	
6,500.00	6,475.00	6,432.84	6,475.00	0.00	255.31	-147.25	-2,263.00	2,962.28	4,177.87	3,922.57	255.31	16.364	
6,600.00	6,575.00	6,532.84	6,575.00	0.00	259.31	122.80	-2,263.00	2,962.28	4,177.97	3,918.65	259.31	16.112	
6,700.00	6,675.00	6,632.84	6,675.00	0.00	263.31	122.80	-2,263.00	2,962.28	4,177.97	3,914.65	263.31	15.867	
6,800.00	6,775.00	6,732.84	6,775.00	0.00	267.31	122.80	-2,263.00	2,962.28	4,177.97	3,910.65	267.31	15.629	
6,900.00	6,875.00	6,832.84	6,875.00	0.00	271.31	122.80	-2,263.00	2,962.28	4,177.97	3,906.65	271.31	15.399	
7,000.00	6,975.00	6,932.84	6,975.00	0.00	275.31	122.80	-2,263.00	2,962.28	4,177.97	3,902.65	275.31	15.175	
7,100.00	7,075.00	7,032.84	7,075.00	0.00	279.31	122.80	-2,263.00	2,962.28	4,177.97	3,898.65	279.31	14.958	
7,200.00	7,175.00	7,132.84	7,175.00	0.00	283.31	122.80	-2,263.00	2,962.28	4,177.97	3,894.65	283.31	14.747	
7,300.00	7,275.00	7,232.84	7,275.00	0.00	287.31	122.80	-2,263.00	2,962.28	4,177.97	3,890.65	287.31	14.541	
7,400.00	7,375.00	7,332.84	7,375.00	0.00	291.31	122.80	-2,263.00	2,962.28	4,177.97	3,886.65	291.31	14.342	
7,500.00	7,475.00	7,432.84	7,475.00	0.00	295.31	122.80	-2,263.00	2,962.28	4,177.97	3,882.65	295.31	14.148	
7,600.00	7,575.00	7,532.84	7,575.00	0.00	299.31	122.80	-2,263.00	2,962.28	4,177.97	3,878.65	299.31	13.958	
7,700.00	7,675.00	7,632.84	7,675.00	0.00	303.31	122.80	-2,263.00	2,962.28	4,177.97	3,874.65	303.31	13.774	
7,800.00	7,775.00	7,732.84	7,775.00	0.00	307.31	122.80	-2,263.00	2,962.28	4,177.97	3,870.65	307.31	13.595	
7,900.00	7,875.00	7,832.84	7,875.00	0.00	311.31	122.80	-2,263.00	2,962.28	4,177.97	3,866.65	311.31	13.420	
8,000.00	7,975.00	7,932.84	7,975.00	0.00	315.31	122.80	-2,263.00	2,962.28	4,177.97	3,862.65	315.31	13.250	
8,100.00	8,075.00	8,032.84	8,075.00	0.00	319.31	122.80	-2,263.00	2,962.28	4,177.97	3,858.65	319.31	13.084	
8,200.00	8,175.00	8,132.84	8,175.00	0.00	323.31	122.80	-2,263.00	2,962.28	4,177.97	3,854.65	323.31	12.922	
8,256.23	8,231.23	8,189.07	8,231.23	0.00	325.56	122.80	-2,263.00	2,962.28	4,177.97	3,852.40	325.56	12.833	
8,300.00	8,275.00	8,209.00	8,251.16	0.00	326.36	122.80	-2,263.00	2,962.28	4,178.03	3,851.67	326.36	12.802	SF
8,400.00	8,375.00	8,209.00	8,251.16	0.00	326.36	122.80	-2,263.00	2,962.28	4,179.80	3,853.44	326.36	12.807	
8,475.00	8,450.00	8,209.00	8,251.16	0.00	326.36	122.80	-2,263.00	2,962.28	4,182.69	3,856.33	326.36	12.816	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	19.81	18.82	6.78	20.00				
100.00	100.00	100.00	100.00	0.00	0.08	19.81	18.82	6.78	20.00	19.92	0.08	236.769	
200.00	200.00	200.00	200.00	0.00	0.31	19.81	18.82	6.78	20.00	19.69	0.31	64.685	
300.00	300.00	300.00	300.00	0.00	0.53	19.81	18.82	6.78	20.00	19.47	0.53	37.459	CC, ES
400.00	399.98	399.98	399.98	0.00	0.76	114.30	18.82	6.78	20.66	19.90	0.76	27.184	
500.00	499.84	499.84	499.84	0.00	0.98	126.06	18.82	6.78	23.31	22.32	0.99	23.531	SF
600.00	599.47	599.47	599.47	0.00	1.21	139.63	18.82	6.78	29.14	27.91	1.22	23.822	
700.00	699.05	699.05	699.05	0.00	1.43	148.99	18.82	6.78	36.66	35.21	1.45	25.346	
800.00	798.62	798.62	798.62	0.00	1.65	155.07	18.82	6.78	44.82	43.15	1.67	26.872	
900.00	898.20	898.20	898.20	0.00	1.88	159.24	18.82	6.78	53.32	51.43	1.89	28.229	
1,000.00	997.77	997.77	997.77	0.00	2.10	162.26	18.82	6.78	62.03	59.92	2.11	29.398	
1,100.00	1,097.35	1,097.65	1,097.64	0.00	2.33	163.20	20.34	6.11	70.65	68.32	2.33	30.316	
1,200.00	1,196.92	1,197.56	1,197.41	0.00	2.55	161.41	25.06	4.05	78.89	76.34	2.55	30.913	
1,300.00	1,296.49	1,297.25	1,296.72	0.00	2.78	157.68	32.94	0.61	87.04	84.26	2.78	31.283	
1,400.00	1,396.07	1,396.48	1,395.22	0.00	3.02	152.55	43.92	-4.19	95.65	92.62	3.03	31.573	
1,500.00	1,495.64	1,495.02	1,492.56	0.00	3.29	146.48	57.91	-10.31	105.43	102.13	3.30	31.941	
1,600.00	1,595.22	1,592.64	1,588.42	0.00	3.58	139.93	74.78	-17.69	117.11	113.51	3.60	32.540	
1,700.00	1,694.79	1,689.13	1,682.50	0.00	3.92	133.32	94.40	-26.27	131.33	127.41	3.92	33.495	
1,800.00	1,794.37	1,784.30	1,774.54	0.00	4.29	126.99	116.57	-35.96	148.57	144.32	4.26	34.887	
1,900.00	1,893.94	1,877.99	1,864.31	0.00	4.70	121.17	141.13	-46.70	169.14	164.54	4.60	36.765	
2,000.00	1,993.51	1,974.05	1,955.90	0.00	5.16	116.13	167.67	-58.30	192.12	187.17	4.95	38.787	
2,100.00	2,093.09	2,070.11	2,047.49	0.00	5.65	112.16	194.20	-69.91	216.24	210.95	5.30	40.830	
2,200.00	2,192.66	2,166.16	2,139.07	0.00	6.15	108.99	220.73	-81.51	241.16	235.53	5.63	42.813	
2,300.00	2,292.24	2,262.22	2,230.66	0.00	6.66	106.41	247.27	-93.11	266.65	260.68	5.97	44.701	
2,400.00	2,391.81	2,358.28	2,322.25	0.00	7.18	104.28	273.80	-104.71	292.55	286.26	6.29	46.478	
2,500.00	2,491.39	2,454.33	2,413.84	0.00	7.71	102.49	300.34	-116.31	318.78	312.16	6.62	48.141	
2,600.00	2,590.96	2,550.39	2,505.42	0.00	8.25	100.98	326.87	-127.92	345.26	338.31	6.95	49.692	
2,700.00	2,690.53	2,646.45	2,597.01	0.00	8.79	99.68	353.41	-139.52	371.93	364.66	7.27	51.136	
2,800.00	2,790.11	2,742.50	2,688.60	0.00	9.34	98.55	379.94	-151.12	398.75	391.15	7.60	52.480	
2,900.00	2,889.68	2,838.56	2,780.19	0.00	9.89	97.57	406.47	-162.72	425.70	417.78	7.92	53.731	
3,000.00	2,989.26	2,934.62	2,871.77	0.00	10.44	96.70	433.01	-174.32	452.76	444.51	8.25	54.897	
3,100.00	3,088.83	3,030.68	2,963.36	0.00	10.99	95.93	459.54	-185.93	479.90	471.32	8.57	55.985	
3,200.00	3,188.41	3,126.73	3,054.95	0.00	11.55	95.24	486.08	-197.53	507.11	498.21	8.90	57.001	
3,300.00	3,287.98	3,222.79	3,146.54	0.00	12.11	94.62	512.61	-209.13	534.38	525.16	9.22	57.951	
3,400.00	3,387.56	3,318.85	3,238.12	0.00	12.67	94.06	539.15	-220.73	561.70	552.16	9.55	58.840	
3,500.00	3,487.13	3,414.90	3,329.71	0.00	13.23	93.56	565.68	-232.34	589.07	579.20	9.87	59.675	
3,600.00	3,586.70	3,510.96	3,421.30	0.00	13.80	93.10	592.21	-243.94	616.48	606.29	10.20	60.459	
3,700.00	3,686.28	3,607.02	3,512.88	0.00	14.36	92.67	618.75	-255.54	643.92	633.40	10.52	61.197	
3,800.00	3,785.85	3,703.07	3,604.47	0.00	14.92	92.29	645.28	-267.14	671.40	660.55	10.85	61.892	
3,900.00	3,885.43	3,799.13	3,696.06	0.00	15.49	91.93	671.82	-278.74	698.90	687.72	11.17	62.547	
4,000.00	3,985.00	3,895.19	3,787.65	0.00	16.06	91.60	698.35	-290.35	726.42	714.92	11.50	63.167	
4,100.00	4,084.58	3,991.24	3,879.23	0.00	16.62	91.29	724.89	-301.95	753.96	742.13	11.83	63.753	
4,200.00	4,184.15	4,087.30	3,970.82	0.00	17.19	91.01	751.42	-313.55	781.52	769.37	12.15	64.308	
4,300.00	4,283.72	4,183.36	4,062.41	0.00	17.76	90.74	777.95	-325.15	809.10	796.62	12.48	64.834	
4,400.00	4,383.30	4,279.41	4,154.00	0.00	18.33	90.49	804.49	-336.76	836.69	823.88	12.81	65.334	
4,500.00	4,482.87	4,375.47	4,245.58	0.00	18.90	90.26	831.02	-348.36	864.30	851.16	13.13	65.810	
4,600.00	4,582.45	4,471.53	4,337.17	0.00	19.47	90.04	857.56	-359.96	891.92	878.46	13.46	66.262	
4,700.00	4,682.02	4,567.58	4,428.76	0.00	20.04	89.84	884.09	-371.56	919.55	905.76	13.79	66.693	
4,800.00	4,781.60	4,663.64	4,520.35	0.00	20.61	89.65	910.63	-383.16	947.19	933.07	14.12	67.104	
4,900.00	4,881.17	4,759.70	4,611.93	0.00	21.18	89.46	937.16	-394.77	974.83	960.39	14.44	67.497	
5,000.00	4,980.74	4,855.76	4,703.52	0.00	21.75	89.29	963.69	-406.37	1,002.49	987.72	14.77	67.872	
5,100.00	5,080.32	4,951.81	4,795.11	0.00	22.32	89.13	990.23	-417.97	1,030.16	1,015.06	15.10	68.230	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 1H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,179.89	5,047.87	4,886.70	0.00	22.90	88.98	1,016.76	-429.57	1,057.83	1,042.40	15.43	68.574	
5,300.00	5,279.47	5,143.93	4,978.28	0.00	23.47	88.83	1,043.30	-441.18	1,085.51	1,069.76	15.75	68.903	
5,400.00	5,379.04	5,239.98	5,069.87	0.00	24.04	88.69	1,069.83	-452.78	1,113.20	1,097.11	16.08	69.218	
5,500.00	5,478.62	5,336.04	5,161.46	0.00	24.61	88.56	1,096.37	-464.38	1,140.89	1,124.48	16.41	69.521	
5,600.00	5,578.19	5,432.10	5,253.04	0.00	25.19	88.43	1,122.90	-475.98	1,168.59	1,151.85	16.74	69.812	
5,700.00	5,677.77	5,528.15	5,344.63	0.00	25.76	88.31	1,149.43	-487.58	1,196.29	1,179.22	17.07	70.091	
5,800.00	5,777.34	5,624.21	5,436.22	0.00	26.33	88.20	1,175.97	-499.19	1,223.99	1,206.60	17.40	70.360	
5,900.00	5,876.91	5,734.99	5,541.91	0.00	26.94	88.08	1,206.37	-512.48	1,251.58	1,233.83	17.75	70.513	
6,000.00	5,976.49	5,899.00	5,700.18	0.00	27.65	88.02	1,245.71	-529.68	1,275.61	1,257.41	18.19	70.112	
6,100.00	6,076.06	6,066.89	5,864.47	0.00	28.24	88.13	1,277.32	-543.50	1,294.40	1,275.77	18.62	69.498	
6,200.00	6,175.64	6,237.61	6,033.29	0.00	28.72	88.40	1,300.36	-553.58	1,307.80	1,288.76	19.04	68.683	
6,300.00	6,275.24	6,410.02	6,205.01	0.00	29.07	88.87	1,314.24	-559.65	1,315.73	1,296.29	19.44	67.675	
6,400.00	6,375.04	6,580.21	6,375.11	0.00	29.29	89.30	1,318.64	-561.56	1,318.20	1,298.43	19.77	66.684	
6,500.00	6,475.00	6,680.69	6,475.21	0.00	29.34	89.74	1,318.66	-553.92	1,318.14	1,298.20	19.94	66.102	
6,510.21	6,485.22	6,690.78	6,485.18	0.00	29.34	89.81	1,318.66	-552.38	1,318.14	1,298.18	19.96	66.038	
6,600.00	6,575.00	6,777.22	6,569.48	0.00	29.32	0.69	1,318.71	-533.46	1,318.29	1,298.15	20.14	65.466	
6,700.00	6,675.00	6,866.83	6,653.79	0.00	29.26	2.00	1,318.78	-503.29	1,319.23	1,298.85	20.38	64.724	
6,800.00	6,775.00	6,950.00	6,728.12	0.00	29.16	3.62	1,318.87	-466.07	1,321.81	1,301.12	20.68	63.907	
6,900.00	6,875.00	7,019.48	6,786.56	0.00	29.06	5.24	1,318.97	-428.55	1,326.91	1,305.91	21.01	63.168	
7,000.00	6,975.00	7,082.25	6,836.01	0.00	28.95	6.90	1,319.06	-389.91	1,335.39	1,314.03	21.36	62.526	
7,100.00	7,075.00	7,136.87	6,876.14	0.00	28.85	8.48	1,319.15	-352.89	1,347.93	1,326.22	21.71	62.076	
7,200.00	7,175.00	7,184.29	6,908.62	0.00	28.76	9.94	1,319.23	-318.34	1,365.04	1,342.97	22.07	61.862	
7,300.00	7,275.00	7,225.52	6,934.94	0.00	28.68	11.27	1,319.31	-286.62	1,387.04	1,364.64	22.40	61.914	
7,400.00	7,375.00	7,261.46	6,956.36	0.00	28.61	12.47	1,319.38	-257.77	1,414.10	1,391.38	22.72	62.250	
7,500.00	7,475.00	7,300.00	6,977.70	0.00	28.54	13.79	1,319.46	-225.67	1,446.27	1,423.19	23.07	62.683	
7,600.00	7,575.00	7,325.91	6,991.06	0.00	28.49	14.70	1,319.52	-203.47	1,483.37	1,460.04	23.33	63.588	
7,700.00	7,675.00	7,365.52	7,010.86	0.00	28.41	16.08	1,319.60	-169.17	1,524.99	1,501.26	23.73	64.255	
7,800.00	7,775.00	7,400.00	7,027.98	0.00	28.35	17.27	1,319.67	-139.24	1,570.48	1,546.40	24.08	65.220	
7,900.00	7,875.00	7,420.31	7,037.53	0.00	28.32	17.98	1,319.72	-121.32	1,620.14	1,595.84	24.30	66.677	
8,000.00	7,975.00	7,450.00	7,050.58	0.00	28.27	19.02	1,319.78	-94.65	1,673.85	1,649.24	24.61	68.011	
8,100.00	8,075.00	7,450.00	7,050.58	0.00	28.27	19.02	1,319.78	-94.65	1,731.09	1,706.48	24.61	70.336	
8,200.00	8,175.00	7,471.33	7,059.26	0.00	28.23	19.77	1,319.83	-75.17	1,791.74	1,766.89	24.85	72.101	
8,300.00	8,275.00	7,500.00	7,070.01	0.00	28.19	20.79	1,319.89	-48.59	1,855.68	1,830.51	25.17	73.740	
8,400.00	8,375.00	7,500.00	7,070.01	0.00	28.19	20.79	1,319.89	-48.59	1,922.12	1,896.95	25.17	76.380	
8,475.00	8,450.00	7,500.00	7,070.01	0.00	28.19	20.79	1,319.89	-48.59	1,973.80	1,948.64	25.17	78.434	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 2H - Lateral - Plan #2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-Gyro, 6315-Gyro — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,314.90	6,290.09	6,314.90	6,290.09	0.00	0.00	0.00	0.52	-541.69	0.00	0.00	0.00	N/A	CC, ES
6,400.00	6,375.04	6,399.78	6,374.91	0.00	0.00	179.75	0.54	-543.20	3.47	3.47	0.00	N/A	
6,500.00	6,475.00	6,497.76	6,472.32	0.00	0.00	179.75	0.58	-533.24	16.27	16.27	0.00	N/A	
6,600.00	6,575.00	6,591.81	6,563.89	0.00	0.00	89.81	0.65	-512.03	38.98	38.98	0.00	N/A	
6,700.00	6,675.00	6,679.50	6,646.31	0.00	0.00	89.82	0.74	-482.27	73.00	73.00	0.00	N/A	
6,800.00	6,775.00	6,759.37	6,717.99	0.00	0.00	89.83	0.84	-447.10	117.11	117.11	0.00	N/A	
6,900.00	6,875.00	6,830.93	6,778.78	0.00	0.00	89.83	0.94	-409.38	169.89	169.89	0.00	N/A	
7,000.00	6,975.00	6,900.00	6,833.85	0.00	0.00	89.84	1.04	-367.74	230.04	230.04	0.00	N/A	
7,100.00	7,075.00	6,950.00	6,871.26	0.00	0.00	89.84	1.13	-334.58	296.07	296.07	0.00	N/A	
7,200.00	7,175.00	7,000.00	6,906.42	0.00	0.00	89.84	1.22	-299.04	367.17	367.17	0.00	N/A	
7,300.00	7,275.00	7,050.00	6,939.18	0.00	0.00	89.84	1.31	-261.28	442.47	442.47	0.00	N/A	
7,400.00	7,375.00	7,080.33	6,957.82	0.00	0.00	89.85	1.37	-237.36	520.96	520.96	0.00	N/A	
7,500.00	7,475.00	7,113.83	6,977.29	0.00	0.00	89.85	1.43	-210.11	602.35				
7,600.00	7,575.00	7,150.00	6,996.95	0.00	0.00	89.85	1.51	-179.75	686.13	686.13	0.00	N/A	
7,700.00	7,675.00	7,169.92	7,007.16	0.00	0.00	89.85	1.55	-162.64	771.75	771.75	0.00	N/A	
7,800.00	7,775.00	7,200.00	7,021.72	0.00	0.00	89.85	1.61	-136.32	859.11	859.11	0.00	N/A	
7,900.00	7,875.00	7,214.68	7,028.44	0.00	0.00	89.85	1.64	-123.27	947.76	947.76	0.00	N/A	
8,000.00	7,975.00	7,233.75	7,036.80	0.00	0.00	89.85	1.68	-106.14	1,037.64	1,037.64	0.00	N/A	
8,100.00	8,075.00	7,250.00	7,043.59	0.00	0.00	89.85	1.72	-91.37	1,128.54	1,128.54	0.00	N/A	
8,200.00	8,175.00	7,266.65	7,050.21	0.00	0.00	89.85	1.75	-76.09	1,220.31	1,220.31	0.00	N/A	
8,300.00	8,275.00	7,280.92	7,055.62	0.00	0.00	89.85	1.79	-62.89	1,312.85	1,312.85	0.00	N/A	
8,400.00	8,375.00	7,300.00	7,062.47	0.00	0.00	89.85	1.83	-45.08	1,406.08	1,406.08	0.00	N/A	
8,475.00	8,450.00	7,300.00	7,062.47	0.00	0.00	89.85	1.83	-45.08	1,476.33	1,476.33	0.00	N/A	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-160.18	-18.81	-6.78	19.99				
100.00	100.00	100.00	100.00	0.00	0.08	-160.18	-18.81	-6.78	19.99	19.91	0.08	236.658	
200.00	200.00	200.00	200.00	0.00	0.31	-160.18	-18.81	-6.78	19.99	19.69	0.31	64.654	
300.00	300.00	300.00	300.00	0.00	0.53	-160.18	-18.81	-6.78	19.99	19.46	0.53	37.442	
400.00	399.98	399.98	399.98	0.00	0.76	-75.08	-18.81	-6.78	19.47	18.71	0.76	25.650	
496.87	496.72	496.72	496.72	0.00	0.98	-90.00	-18.81	-6.78	18.82	17.84	0.98	19.276	CC
500.00	499.84	499.84	499.84	0.00	0.98	-90.66	-18.81	-6.78	18.82	17.83	0.98	19.140	ES
600.00	599.47	599.47	599.47	0.00	1.21	-114.75	-18.81	-6.78	20.74	19.52	1.21	17.109	SF
700.00	699.05	699.05	699.05	0.00	1.43	-133.49	-18.81	-6.78	25.99	24.55	1.44	18.038	
800.00	798.62	798.62	798.62	0.00	1.65	-145.16	-18.81	-6.78	33.03	31.36	1.67	19.833	
900.00	898.20	898.20	898.20	0.00	1.88	-152.54	-18.81	-6.78	40.94	39.05	1.89	21.688	
1,000.00	997.77	997.77	997.77	0.00	2.10	-157.48	-18.81	-6.78	49.31	47.20	2.11	23.375	
1,100.00	1,097.35	1,097.42	1,097.40	0.00	2.30	-159.33	-20.34	-7.41	57.87	55.56	2.30	25.113	
1,200.00	1,196.92	1,197.07	1,196.92	0.00	2.48	-157.70	-25.08	-9.35	66.38	63.90	2.48	26.765	
1,300.00	1,296.49	1,296.49	1,295.97	0.00	2.67	-153.81	-33.00	-12.58	75.09	72.42	2.67	28.116	
1,400.00	1,396.07	1,395.44	1,394.19	0.00	2.88	-148.43	-44.03	-17.10	84.56	81.67	2.88	29.330	
1,500.00	1,495.64	1,493.69	1,491.25	0.00	3.13	-142.20	-58.08	-22.85	95.48	92.36	3.12	30.589	
1,600.00	1,595.22	1,591.02	1,586.83	0.00	3.41	-135.66	-75.03	-29.78	108.53	105.14	3.39	32.058	
1,700.00	1,694.79	1,687.21	1,680.64	0.00	3.73	-129.26	-94.73	-37.84	124.26	120.59	3.67	33.860	
1,800.00	1,794.37	1,782.08	1,772.40	0.00	4.10	-123.30	-117.00	-46.95	143.04	139.07	3.97	36.063	
1,900.00	1,893.94	1,875.60	1,862.03	0.00	4.51	-117.92	-141.69	-57.05	165.08	160.82	4.27	38.702	
2,000.00	1,993.51	1,971.64	1,953.67	0.00	4.98	-113.36	-168.32	-67.95	189.28	184.71	4.58	41.358	
2,100.00	2,093.09	2,067.69	2,045.30	0.00	5.47	-109.84	-194.95	-78.84	214.37	209.48	4.88	43.901	
2,200.00	2,192.66	2,163.73	2,136.94	0.00	5.97	-107.05	-221.57	-89.74	240.06	234.87	5.19	46.275	
2,300.00	2,292.24	2,259.78	2,228.57	0.00	6.49	-104.80	-248.20	-100.63	266.19	260.69	5.49	48.471	
2,400.00	2,391.81	2,355.83	2,320.21	0.00	7.01	-102.95	-274.83	-111.52	292.63	286.83	5.80	50.491	
2,500.00	2,491.39	2,451.87	2,411.84	0.00	7.55	-101.41	-301.45	-122.42	319.31	313.21	6.10	52.346	
2,600.00	2,590.96	2,547.92	2,503.48	0.00	8.09	-100.10	-328.08	-133.31	346.18	339.77	6.40	54.049	
2,700.00	2,690.53	2,643.96	2,595.11	0.00	8.63	-98.98	-354.71	-144.20	373.19	366.47	6.71	55.613	
2,800.00	2,790.11	2,740.01	2,686.75	0.00	9.18	-98.02	-381.33	-155.10	400.31	393.29	7.02	57.050	
2,900.00	2,889.68	2,836.05	2,778.38	0.00	9.73	-97.17	-407.96	-165.99	427.52	420.20	7.32	58.375	
3,000.00	2,989.26	2,932.10	2,870.02	0.00	10.29	-96.43	-434.59	-176.89	454.82	447.18	7.63	59.597	
3,100.00	3,088.83	3,028.14	2,961.65	0.00	10.85	-95.77	-461.21	-187.78	482.17	474.23	7.94	60.726	
3,200.00	3,188.41	3,124.19	3,053.29	0.00	11.41	-95.18	-487.84	-198.67	509.58	501.33	8.25	61.773	
3,300.00	3,287.98	3,220.23	3,144.93	0.00	11.97	-94.65	-514.47	-209.57	537.03	528.47	8.56	62.745	
3,400.00	3,387.56	3,316.28	3,236.56	0.00	12.53	-94.17	-541.10	-220.46	564.52	555.65	8.87	63.649	
3,500.00	3,487.13	3,412.32	3,328.20	0.00	13.10	-93.74	-567.72	-231.35	592.05	582.87	9.18	64.491	
3,600.00	3,586.70	3,508.37	3,419.83	0.00	13.66	-93.34	-594.35	-242.25	619.60	610.11	9.49	65.278	
3,700.00	3,686.28	3,604.41	3,511.47	0.00	14.23	-92.98	-620.98	-253.14	647.18	637.37	9.80	66.014	
3,800.00	3,785.85	3,700.46	3,603.10	0.00	14.80	-92.65	-647.60	-264.04	674.78	664.66	10.12	66.704	
3,900.00	3,885.43	3,796.50	3,694.74	0.00	15.36	-92.34	-674.23	-274.93	702.40	691.97	10.43	67.352	
4,000.00	3,985.00	3,892.55	3,786.37	0.00	15.93	-92.06	-700.86	-285.82	730.03	719.29	10.74	67.961	
4,100.00	4,084.58	3,988.60	3,878.01	0.00	16.50	-91.80	-727.48	-296.72	757.68	746.63	11.06	68.535	
4,200.00	4,184.15	4,084.64	3,969.64	0.00	17.07	-91.55	-754.11	-307.61	785.35	773.98	11.37	69.077	
4,300.00	4,283.72	4,180.69	4,061.28	0.00	17.64	-91.33	-780.74	-318.50	813.03	801.34	11.68	69.588	
4,400.00	4,383.30	4,276.73	4,152.91	0.00	18.22	-91.11	-807.36	-329.40	840.72	828.72	12.00	70.072	
4,500.00	4,482.87	4,372.78	4,244.55	0.00	18.79	-90.91	-833.99	-340.29	868.41	856.10	12.31	70.531	
4,600.00	4,582.45	4,468.82	4,336.18	0.00	19.36	-90.73	-860.62	-351.18	896.12	883.49	12.63	70.966	
4,700.00	4,682.02	4,564.87	4,427.82	0.00	19.93	-90.55	-887.24	-362.08	923.84	910.89	12.94	71.379	
4,800.00	4,781.60	4,660.91	4,519.46	0.00	20.51	-90.39	-913.87	-372.97	951.56	938.30	13.26	71.772	
4,900.00	4,881.17	4,756.96	4,611.09	0.00	21.08	-90.23	-940.50	-383.87	979.29	965.72	13.57	72.146	
5,000.00	4,980.74	4,853.00	4,702.73	0.00	21.65	-90.09	-967.13	-394.76	1,007.03	993.14	13.89	72.502	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 3H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,949.05	4,794.36	0.00	22.23	-89.95	-993.75	-405.65	1,034.77	1,020.56	14.21	72.842	
5,200.00	5,179.89	5,045.09	4,886.00	0.00	22.80	-89.81	-1,020.38	-416.55	1,062.52	1,047.99	14.52	73.167	
5,300.00	5,279.47	5,141.14	4,977.63	0.00	23.37	-89.69	-1,047.01	-427.44	1,090.27	1,075.43	14.84	73.477	
5,400.00	5,379.04	5,237.18	5,069.27	0.00	23.95	-89.57	-1,073.63	-438.33	1,118.02	1,102.87	15.15	73.774	
5,500.00	5,478.62	5,333.23	5,160.90	0.00	24.52	-89.46	-1,100.26	-449.23	1,145.79	1,130.31	15.47	74.059	
5,600.00	5,578.19	5,429.27	5,252.54	0.00	25.10	-89.35	-1,126.89	-460.12	1,173.55	1,157.76	15.79	74.331	
5,700.00	5,677.77	5,525.32	5,344.17	0.00	25.67	-89.25	-1,153.51	-471.02	1,201.32	1,185.21	16.11	74.592	
5,800.00	5,777.34	5,621.36	5,435.81	0.00	26.25	-89.15	-1,180.14	-481.91	1,229.09	1,212.67	16.42	74.843	
5,900.00	5,876.91	5,735.23	5,544.54	0.00	26.86	-89.04	-1,211.41	-494.70	1,256.68	1,239.91	16.78	74.913	
6,000.00	5,976.49	5,900.16	5,703.90	0.00	27.51	-89.01	-1,250.67	-510.77	1,280.52	1,263.29	17.22	74.344	
6,100.00	6,076.06	6,068.95	5,869.24	0.00	28.07	-89.15	-1,281.99	-523.58	1,299.07	1,281.41	17.66	73.553	
6,200.00	6,175.64	6,240.54	6,039.07	0.00	28.51	-89.45	-1,304.54	-532.81	1,312.18	1,294.10	18.08	72.561	
6,300.00	6,275.24	6,413.77	6,211.68	0.00	28.83	-89.94	-1,317.73	-538.20	1,319.78	1,301.29	18.49	71.386	
6,400.00	6,375.04	6,577.12	6,374.97	0.00	29.03	-90.36	-1,321.32	-539.53	1,321.87	1,303.05	18.81	70.267	
6,500.00	6,475.00	6,675.22	6,472.61	0.00	29.07	-90.85	-1,321.30	-530.89	1,321.96	1,302.99	18.97	69.704	
6,600.00	6,575.00	6,769.33	6,564.33	0.00	29.05	178.30	-1,321.25	-510.14	1,322.40	1,303.31	19.09	69.258	
6,700.00	6,675.00	6,856.68	6,646.36	0.00	28.99	177.01	-1,321.17	-480.28	1,323.82	1,304.60	19.22	68.884	
6,800.00	6,775.00	6,935.69	6,716.94	0.00	28.89	175.48	-1,321.09	-444.85	1,327.02	1,307.68	19.34	68.613	
6,900.00	6,875.00	7,005.86	6,776.02	0.00	28.79	173.85	-1,321.00	-407.03	1,332.85	1,313.38	19.47	68.465	
7,000.00	6,975.00	7,067.47	6,824.61	0.00	28.68	172.24	-1,320.90	-369.21	1,342.11	1,322.51	19.60	68.477	
7,100.00	7,075.00	7,121.23	6,864.24	0.00	28.58	170.69	-1,320.81	-332.89	1,355.45	1,335.72	19.73	68.685	
7,200.00	7,175.00	7,168.06	6,896.44	0.00	28.50	169.27	-1,320.73	-298.91	1,373.34	1,353.47	19.87	69.116	
7,300.00	7,275.00	7,200.00	6,917.11	0.00	28.44	168.25	-1,320.67	-274.55	1,396.14	1,376.17	19.97	69.911	
7,400.00	7,375.00	7,250.00	6,947.22	0.00	28.35	166.60	-1,320.57	-234.65	1,423.86	1,403.71	20.15	70.664	
7,500.00	7,475.00	7,275.86	6,961.68	0.00	28.30	165.72	-1,320.52	-213.21	1,456.60	1,436.35	20.26	71.913	
7,600.00	7,575.00	7,303.45	6,976.24	0.00	28.25	164.77	-1,320.47	-189.78	1,494.28	1,473.91	20.37	73.367	
7,700.00	7,675.00	7,344.20	6,996.67	0.00	28.18	163.36	-1,320.38	-154.53	1,536.51	1,515.95	20.55	74.752	
7,800.00	7,775.00	7,382.55	7,015.79	0.00	28.12	162.04	-1,320.30	-121.28	1,582.49	1,561.76	20.73	76.335	
7,900.00	7,875.00	7,400.00	7,024.13	0.00	28.10	161.44	-1,320.26	-105.95	1,632.52	1,611.70	20.82	78.427	
8,000.00	7,975.00	7,422.24	7,034.21	0.00	28.07	160.67	-1,320.21	-86.12	1,686.44	1,665.51	20.93	80.572	
8,100.00	8,075.00	7,450.00	7,045.91	0.00	28.04	159.70	-1,320.15	-60.96	1,744.07	1,723.00	21.07	82.760	
8,200.00	8,175.00	7,450.00	7,045.91	0.00	28.04	159.70	-1,320.15	-60.96	1,804.88	1,783.81	21.07	85.646	
8,300.00	8,275.00	7,468.60	7,053.21	0.00	28.01	159.05	-1,320.11	-43.84	1,868.81	1,847.63	21.17	88.256	
8,400.00	8,375.00	7,481.39	7,057.97	0.00	28.00	158.60	-1,320.08	-31.98	1,935.54	1,914.29	21.24	91.106	
8,475.00	8,450.00	7,500.00	7,064.51	0.00	27.98	157.95	-1,320.04	-14.55	1,987.34	1,966.00	21.35	93.095	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.17	-37.63	-13.57	40.11				
100.00	100.00	97.00	100.00	0.00	0.08	-160.17	-37.63	-13.57	40.00	39.92	0.08	488.075	
200.00	200.00	197.00	200.00	0.00	0.30	-160.17	-37.63	-13.57	40.00	39.70	0.30	132.234	
300.00	300.00	297.00	300.00	0.00	0.53	-160.17	-37.63	-13.57	40.00	39.47	0.53	75.865	
400.00	399.98	396.98	399.98	0.00	0.75	-72.62	-37.63	-13.57	39.45	38.69	0.75	52.409	
500.00	499.84	496.84	499.84	0.00	0.98	-80.15	-37.63	-13.57	38.21	37.23	0.98	39.106	
582.92	582.50	579.50	582.50	0.00	1.16	-90.00	-37.63	-13.57	37.64	36.48	1.16	32.388	
600.00	599.47	596.47	599.47	0.00	1.20	-92.94	-37.63	-13.57	37.69	36.49	1.20	31.399	
700.00	699.05	696.05	699.05	0.00	1.42	-106.44	-37.63	-13.57	39.26	37.84	1.43	27.535	
800.00	798.62	795.62	798.62	0.00	1.65	-118.32	-37.63	-13.57	42.80	41.15	1.65	25.916	
900.00	898.20	896.72	899.70	0.00	1.87	-127.64	-36.67	-14.89	46.34	44.46	1.87	24.723	
1,000.00	997.77	998.16	1,001.00	0.00	2.09	-134.83	-33.60	-19.11	47.40	45.31	2.09	22.645	
1,100.00	1,097.35	1,099.65	1,102.10	0.00	2.33	-141.41	-28.42	-26.23	45.62	43.31	2.31	19.710	
1,200.00	1,196.92	1,200.31	1,202.05	0.00	2.58	-148.69	-21.38	-35.90	41.26	38.72	2.54	16.254	
1,300.00	1,296.49	1,300.04	1,301.00	0.00	2.85	-157.65	-14.06	-45.97	37.12	34.35	2.77	13.414	
1,400.00	1,396.07	1,399.77	1,399.95	0.00	3.12	-168.50	-6.74	-56.03	34.10	31.08	3.01	11.313	
1,500.00	1,495.64	1,499.49	1,498.89	0.00	3.40	179.10	0.58	-66.09	32.50	29.21	3.29	9.875	
1,547.39	1,542.83	1,546.75	1,545.78	0.00	3.54	172.93	4.05	-70.86	32.31	28.87	3.44	9.403	CC, ES
1,600.00	1,595.22	1,599.22	1,597.84	0.00	3.69	166.09	7.90	-76.15	32.54	28.94	3.61	9.025	
1,700.00	1,694.79	1,698.95	1,696.79	0.00	3.99	153.75	15.22	-86.22	34.22	30.27	3.95	8.672	SF
1,800.00	1,794.37	1,798.67	1,795.74	0.00	4.28	142.99	22.54	-96.28	37.31	33.02	4.29	8.694	
1,900.00	1,893.94	1,898.40	1,894.69	0.00	4.58	134.14	29.86	-106.34	41.50	36.87	4.63	8.966	
2,000.00	1,993.51	1,998.13	1,993.63	0.00	4.89	127.03	37.18	-116.40	46.49	41.54	4.95	9.385	
2,100.00	2,093.09	2,097.86	2,092.58	0.00	5.19	121.37	44.49	-126.46	52.06	46.79	5.27	9.881	
2,200.00	2,192.66	2,197.58	2,191.53	0.00	5.50	116.84	51.81	-136.53	58.03	52.46	5.57	10.409	
2,300.00	2,292.24	2,297.31	2,290.48	0.00	5.80	113.16	59.13	-146.59	64.30	58.42	5.88	10.942	
2,400.00	2,391.81	2,397.04	2,389.42	0.00	6.11	110.15	66.45	-156.65	70.78	64.61	6.17	11.465	
2,500.00	2,491.39	2,496.76	2,488.37	0.00	6.42	107.65	73.77	-166.71	77.43	70.96	6.47	11.969	
2,600.00	2,590.96	2,596.49	2,587.32	0.00	6.73	105.55	81.09	-176.78	84.19	77.43	6.76	12.450	
2,700.00	2,690.53	2,696.22	2,686.27	0.00	7.04	103.77	88.41	-186.84	91.06	84.00	7.06	12.906	
2,800.00	2,790.11	2,795.94	2,785.21	0.00	7.36	102.23	95.73	-196.90	98.00	90.65	7.35	13.338	
2,900.00	2,889.68	2,895.67	2,884.16	0.00	7.67	100.90	103.05	-206.96	105.00	97.36	7.64	13.745	
3,000.00	2,989.26	2,995.40	2,983.11	0.00	7.98	99.73	110.37	-217.02	112.05	104.12	7.93	14.129	
3,100.00	3,088.83	3,095.12	3,082.06	0.00	8.30	98.71	117.69	-227.09	119.14	110.92	8.22	14.492	
3,200.00	3,188.41	3,194.85	3,181.00	0.00	8.61	97.79	125.01	-237.15	126.27	117.76	8.51	14.833	
3,300.00	3,287.98	3,294.58	3,279.95	0.00	8.92	96.98	132.33	-247.21	133.42	124.62	8.80	15.155	
3,400.00	3,387.56	3,394.30	3,378.90	0.00	9.24	96.25	139.65	-257.27	140.60	131.51	9.09	15.459	
3,500.00	3,487.13	3,494.03	3,477.85	0.00	9.55	95.59	146.97	-267.34	147.80	138.41	9.39	15.747	
3,600.00	3,586.70	3,593.76	3,576.79	0.00	9.87	94.99	154.29	-277.40	155.01	145.34	9.68	16.018	
3,700.00	3,686.28	3,693.49	3,675.74	0.00	10.19	94.45	161.61	-287.46	162.25	152.28	9.97	16.276	
3,800.00	3,785.85	3,793.21	3,774.69	0.00	10.50	93.95	168.93	-297.52	169.49	159.23	10.26	16.520	
3,900.00	3,885.43	3,892.94	3,873.64	0.00	10.82	93.49	176.25	-307.58	176.75	166.20	10.55	16.751	
4,000.00	3,985.00	3,992.67	3,972.58	0.00	11.13	93.07	183.57	-317.65	184.01	173.17	10.84	16.971	
4,100.00	4,084.58	4,092.39	4,071.53	0.00	11.45	92.68	190.89	-327.71	191.29	180.16	11.13	17.180	
4,200.00	4,184.15	4,192.12	4,170.48	0.00	11.77	92.32	198.21	-337.77	198.57	187.15	11.43	17.379	
4,300.00	4,283.72	4,291.85	4,269.43	0.00	12.08	91.98	205.53	-347.83	205.86	194.15	11.72	17.569	
4,400.00	4,383.30	4,391.57	4,368.37	0.00	12.40	91.67	212.85	-357.90	213.16	201.15	12.01	17.750	
4,500.00	4,482.87	4,491.30	4,467.32	0.00	12.72	91.38	220.17	-367.96	220.47	208.17	12.30	17.922	
4,600.00	4,582.45	4,591.03	4,566.27	0.00	13.03	91.11	227.49	-378.02	227.78	215.18	12.59	18.087	
4,700.00	4,682.02	4,690.75	4,665.22	0.00	13.35	90.85	234.81	-388.08	235.09	222.20	12.88	18.245	
4,800.00	4,781.60	4,790.48	4,764.16	0.00	13.67	90.61	242.13	-398.14	242.41	229.23	13.18	18.396	
4,900.00	4,881.17	4,890.21	4,863.11	0.00	13.98	90.38	249.45	-408.21	249.73	236.26	13.47	18.541	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 4H - Lateral - Plan #1 — Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.74	4,989.93	4,962.06	0.00	14.30	90.17	256.77	-418.27	257.06	243.29	13.76	18.680	
5,100.00	5,080.32	5,089.66	5,061.01	0.00	14.62	89.97	264.09	-428.33	264.38	250.33	14.05	18.813	
5,200.00	5,179.89	5,189.39	5,159.95	0.00	14.94	89.78	271.41	-438.39	271.72	257.37	14.35	18.941	
5,300.00	5,279.47	5,289.11	5,258.90	0.00	15.25	89.60	278.73	-448.46	279.05	264.41	14.64	19.064	
5,400.00	5,379.04	5,388.84	5,357.85	0.00	15.57	89.43	286.05	-458.52	286.39	271.46	14.93	19.182	
5,500.00	5,478.62	5,488.57	5,456.80	0.00	15.89	89.26	293.37	-468.58	293.73	278.51	15.22	19.296	
5,600.00	5,578.19	5,588.30	5,555.74	0.00	16.21	89.11	300.69	-478.64	301.07	285.56	15.51	19.406	
5,700.00	5,677.77	5,688.02	5,654.69	0.00	16.53	88.96	308.01	-488.70	308.42	292.61	15.81	19.512	
5,800.00	5,777.34	5,787.75	5,753.64	0.00	16.84	88.82	315.32	-498.77	315.76	299.66	16.10	19.613	
5,900.00	5,876.91	5,887.48	5,852.59	0.00	17.16	88.68	322.64	-508.83	323.11	306.72	16.39	19.712	
6,000.00	5,976.49	5,987.20	5,951.53	0.00	17.48	88.56	329.96	-518.89	330.46	313.78	16.68	19.807	
6,100.00	6,076.06	6,090.35	6,053.93	0.00	17.79	88.48	337.30	-528.98	337.59	320.62	16.97	19.895	
6,200.00	6,175.64	6,197.91	6,161.05	0.00	18.02	88.86	342.96	-536.76	342.80	325.59	17.21	19.916	
6,300.00	6,275.24	6,305.46	6,268.44	0.00	18.22	89.74	346.26	-541.29	345.80	328.35	17.45	19.813	
6,400.00	6,375.04	6,412.00	6,374.97	0.00	18.37	90.63	347.19	-542.48	346.69	329.02	17.67	19.625	
6,500.00	6,475.00	6,510.02	6,472.57	0.00	18.45	92.42	347.21	-534.26	347.01	329.16	17.86	19.432	
6,600.00	6,575.00	6,604.16	6,564.40	0.00	18.43	5.84	347.26	-513.91	348.70	330.65	18.06	19.312	
6,700.00	6,675.00	6,691.63	6,646.68	0.00	18.35	10.62	347.33	-484.34	353.98	335.72	18.26	19.382	
6,800.00	6,775.00	6,770.83	6,717.56	0.00	18.24	16.12	347.42	-449.11	365.63	347.18	18.45	19.814	
6,900.00	6,875.00	6,841.22	6,776.95	0.00	18.12	21.69	347.51	-411.40	386.07	367.47	18.60	20.752	
7,000.00	6,975.00	6,900.00	6,823.53	0.00	18.02	26.60	347.60	-375.55	416.68	397.97	18.71	22.273	
7,100.00	7,075.00	6,950.00	6,860.72	0.00	17.94	30.84	347.68	-342.15	457.58	438.80	18.78	24.367	
7,200.00	7,175.00	7,000.00	6,895.48	0.00	17.86	35.00	347.77	-306.23	507.77	488.94	18.83	26.962	
7,300.00	7,275.00	7,050.00	6,927.66	0.00	17.80	39.02	347.86	-267.97	566.11	547.24	18.87	29.997	
7,400.00	7,375.00	7,080.88	6,946.17	0.00	17.78	41.39	347.92	-243.26	631.11	612.21	18.89	33.404	
7,500.00	7,475.00	7,112.33	6,963.91	0.00	17.77	43.71	347.98	-217.30	701.59	682.69	18.91	37.110	
7,600.00	7,575.00	7,150.84	6,984.06	0.00	17.78	46.40	348.07	-184.47	776.64	757.72	18.91	41.061	
7,700.00	7,675.00	7,179.56	6,998.41	0.00	17.81	48.27	348.13	-159.61	854.71	835.79	18.92	45.170	
7,800.00	7,775.00	7,210.84	7,014.06	0.00	17.87	50.17	348.19	-132.51	934.72	915.80	18.92	49.395	
7,900.00	7,875.00	7,250.00	7,032.70	0.00	17.99	52.38	348.28	-98.08	1,016.90	997.98	18.93	53.732	
8,000.00	7,975.00	7,250.00	7,032.70	0.00	17.99	52.38	348.28	-98.08	1,101.16	1,082.23	18.93	58.184	
8,100.00	8,075.00	7,276.19	7,044.10	0.00	18.12	53.78	348.33	-74.51	1,187.11	1,168.18	18.93	62.718	
8,200.00	8,175.00	7,300.00	7,053.72	0.00	18.24	54.99	348.39	-52.73	1,274.74	1,255.81	18.93	67.353	
8,300.00	8,275.00	7,300.00	7,053.72	0.00	18.24	54.99	348.39	-52.73	1,363.53	1,344.60	18.93	72.044	
8,400.00	8,375.00	7,318.53	7,060.70	0.00	18.36	55.90	348.43	-35.56	1,453.43	1,434.50	18.93	76.794	
8,475.00	8,450.00	7,327.44	7,063.90	0.00	18.42	56.32	348.45	-27.25	1,521.50	1,502.58	18.93	80.392	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-56.44	-20.34	60.07				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-56.44	-20.34	59.99	59.91	0.08	731.993	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-56.44	-20.34	59.99	59.69	0.30	198.318	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-56.44	-20.34	59.99	59.47	0.53	113.779	
400.00	399.98	396.98	399.98	0.00	0.75	-71.83	-56.44	-20.34	59.43	58.67	0.75	78.948	
500.00	499.84	496.84	499.84	0.00	0.98	-76.77	-56.44	-20.34	58.01	57.03	0.98	59.338	
600.00	599.47	596.47	599.47	0.00	1.20	-85.15	-56.44	-20.34	56.66	55.46	1.20	47.197	
652.21	651.46	648.46	651.46	0.00	1.32	-90.00	-56.44	-20.34	56.46	55.14	1.32	42.862	CC, ES
700.00	699.05	696.05	699.05	0.00	1.42	-94.44	-56.44	-20.34	56.63	55.21	1.42	39.760	
800.00	798.62	795.62	798.62	0.00	1.65	-103.51	-56.44	-20.34	58.08	56.43	1.65	35.224	
900.00	898.20	895.20	898.20	0.00	1.87	-111.94	-56.44	-20.34	60.90	59.03	1.87	32.509	
1,000.00	997.77	994.77	997.77	0.00	2.10	-119.48	-56.44	-20.34	64.92	62.83	2.10	30.951	
1,100.00	1,097.35	1,094.70	1,097.68	0.00	2.30	-124.80	-57.14	-21.74	69.69	67.39	2.30	30.259	
1,200.00	1,196.92	1,194.98	1,197.83	0.00	2.50	-126.80	-59.40	-26.28	74.28	71.78	2.50	29.753	
1,300.00	1,296.49	1,295.36	1,297.83	0.00	2.70	-126.04	-63.23	-33.95	78.28	75.58	2.70	28.952	
1,400.00	1,396.07	1,395.32	1,397.20	0.00	2.93	-123.75	-68.07	-43.68	81.97	79.05	2.93	27.981	
1,500.00	1,495.64	1,495.20	1,496.49	0.00	3.17	-121.62	-72.94	-53.45	85.78	82.61	3.17	27.066	
1,600.00	1,595.22	1,595.08	1,595.77	0.00	3.42	-119.67	-77.81	-63.22	89.69	86.27	3.42	26.229	
1,700.00	1,694.79	1,694.96	1,695.05	0.00	3.68	-117.89	-82.68	-72.99	93.70	90.02	3.68	25.473	
1,800.00	1,794.37	1,794.84	1,794.33	0.00	3.94	-116.25	-87.55	-82.75	97.79	93.85	3.94	24.797	
1,900.00	1,893.94	1,894.72	1,893.61	0.00	4.22	-114.75	-92.42	-92.52	101.96	97.74	4.21	24.195	
2,000.00	1,993.51	1,994.59	1,992.89	0.00	4.49	-113.37	-97.29	-102.29	106.18	101.70	4.49	23.659	
2,100.00	2,093.09	2,094.47	2,092.17	0.00	4.77	-112.09	-102.16	-112.06	110.47	105.70	4.77	23.182	
2,200.00	2,192.66	2,194.35	2,191.45	0.00	5.05	-110.91	-107.03	-121.83	114.81	109.76	5.05	22.756	
2,300.00	2,292.24	2,294.23	2,290.73	0.00	5.34	-109.81	-111.90	-131.60	119.19	113.86	5.33	22.376	
2,400.00	2,391.81	2,394.11	2,390.01	0.00	5.62	-108.79	-116.77	-141.37	123.61	118.00	5.61	22.036	
2,500.00	2,491.39	2,493.99	2,489.29	0.00	5.91	-107.85	-121.64	-151.14	128.07	122.17	5.89	21.730	
2,600.00	2,590.96	2,593.87	2,588.57	0.00	6.20	-106.97	-126.50	-160.90	132.56	126.38	6.18	21.455	
2,700.00	2,690.53	2,693.75	2,687.86	0.00	6.49	-106.14	-131.37	-170.67	137.08	130.61	6.46	21.206	
2,800.00	2,790.11	2,793.63	2,787.14	0.00	6.79	-105.37	-136.24	-180.44	141.62	134.87	6.75	20.981	
2,900.00	2,889.68	2,893.51	2,886.42	0.00	7.08	-104.65	-141.11	-190.21	146.19	139.16	7.04	20.776	
3,000.00	2,989.26	2,993.38	2,985.70	0.00	7.37	-103.97	-145.98	-199.98	150.79	143.46	7.32	20.590	
3,100.00	3,088.83	3,093.26	3,084.98	0.00	7.67	-103.33	-150.85	-209.75	155.40	147.79	7.61	20.419	
3,200.00	3,188.41	3,193.14	3,184.26	0.00	7.97	-102.72	-155.72	-219.52	160.03	152.13	7.90	20.263	
3,300.00	3,287.98	3,293.02	3,283.54	0.00	8.26	-102.16	-160.59	-229.28	164.68	156.49	8.19	20.119	
3,400.00	3,387.56	3,392.90	3,382.82	0.00	8.56	-101.62	-165.46	-239.05	169.34	160.87	8.47	19.987	
3,500.00	3,487.13	3,492.78	3,482.10	0.00	8.86	-101.11	-170.33	-248.82	174.02	165.26	8.76	19.865	
3,600.00	3,586.70	3,592.66	3,581.38	0.00	9.16	-100.63	-175.20	-258.59	178.71	169.66	9.05	19.752	
3,700.00	3,686.28	3,692.54	3,680.66	0.00	9.46	-100.17	-180.07	-268.36	183.41	174.07	9.33	19.647	
3,800.00	3,785.85	3,792.42	3,779.94	0.00	9.76	-99.74	-184.94	-278.13	188.12	178.50	9.62	19.550	
3,900.00	3,885.43	3,892.30	3,879.22	0.00	10.06	-99.32	-189.80	-287.90	192.84	182.93	9.91	19.460	
4,000.00	3,985.00	3,992.17	3,978.51	0.00	10.36	-98.93	-194.67	-297.67	197.58	187.38	10.20	19.375	
4,100.00	4,084.58	4,092.05	4,077.79	0.00	10.66	-98.55	-199.54	-307.43	202.32	191.83	10.48	19.296	
4,200.00	4,184.15	4,191.93	4,177.07	0.00	10.96	-98.20	-204.41	-317.20	207.07	196.29	10.77	19.222	
4,300.00	4,283.72	4,291.81	4,276.35	0.00	11.26	-97.86	-209.28	-326.97	211.82	200.76	11.06	19.153	
4,400.00	4,383.30	4,391.69	4,375.63	0.00	11.56	-97.53	-214.15	-336.74	216.59	205.24	11.35	19.088	
4,500.00	4,482.87	4,491.57	4,474.91	0.00	11.86	-97.22	-219.02	-346.51	221.36	209.72	11.63	19.027	
4,600.00	4,582.45	4,591.45	4,574.19	0.00	12.16	-96.92	-223.89	-356.28	226.14	214.21	11.92	18.970	
4,700.00	4,682.02	4,691.33	4,673.47	0.00	12.47	-96.63	-228.76	-366.05	230.92	218.71	12.21	18.915	
4,800.00	4,781.60	4,791.21	4,772.75	0.00	12.77	-96.35	-233.63	-375.82	235.71	223.21	12.49	18.864	
4,900.00	4,881.17	4,891.09	4,872.03	0.00	13.07	-96.09	-238.50	-385.58	240.50	227.72	12.78	18.816	
5,000.00	4,980.74	4,990.96	4,971.31	0.00	13.37	-95.84	-243.37	-395.35	245.30	232.23	13.07	18.770	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 5H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	5,090.84	5,070.59	0.00	13.67	-95.59	-248.24	-405.12	250.10	236.75	13.36	18.726	
5,200.00	5,179.89	5,190.72	5,169.88	0.00	13.98	-95.36	-253.11	-414.89	254.91	241.27	13.64	18.685	
5,300.00	5,279.47	5,290.60	5,269.16	0.00	14.28	-95.13	-257.97	-424.66	259.72	245.80	13.93	18.646	
5,400.00	5,379.04	5,390.48	5,368.44	0.00	14.58	-94.91	-262.84	-434.43	264.54	250.32	14.22	18.609	
5,500.00	5,478.62	5,490.36	5,467.72	0.00	14.89	-94.70	-267.71	-444.20	269.36	254.86	14.50	18.573	
5,600.00	5,578.19	5,590.24	5,567.00	0.00	15.19	-94.50	-272.58	-453.97	274.18	259.39	14.79	18.540	
5,700.00	5,677.77	5,690.12	5,666.28	0.00	15.49	-94.30	-277.45	-463.73	279.01	263.93	15.08	18.507	
5,800.00	5,777.34	5,790.00	5,765.56	0.00	15.80	-94.11	-282.32	-473.50	283.84	268.48	15.36	18.477	
5,900.00	5,876.91	5,889.88	5,864.84	0.00	16.10	-93.93	-287.19	-483.27	288.67	273.02	15.65	18.447	
6,000.00	5,976.49	5,989.75	5,964.12	0.00	16.40	-93.75	-292.06	-493.04	293.51	277.57	15.93	18.419	
6,100.00	6,076.06	6,089.63	6,063.40	0.00	16.71	-93.58	-296.93	-502.81	298.35	282.12	16.22	18.392	
6,200.00	6,175.64	6,189.51	6,162.68	0.00	17.01	-93.42	-301.80	-512.58	303.19	286.68	16.51	18.367	
6,300.00	6,275.24	6,290.78	6,263.36	0.00	17.30	-93.27	-306.65	-522.31	307.94	291.16	16.79	18.345	
6,400.00	6,375.04	6,395.17	6,367.42	0.00	17.52	-93.10	-310.37	-529.77	311.44	294.45	17.00	18.325	
6,500.00	6,475.00	6,499.70	6,471.84	0.00	17.70	-92.88	-312.39	-533.82	313.31	296.14	17.17	18.244	
6,600.00	6,575.00	6,602.25	6,574.38	0.00	17.86	177.18	-312.79	-533.98	313.70	296.36	17.33	18.097	
6,700.00	6,675.00	6,699.00	6,670.46	0.00	17.92	175.25	-312.76	-523.34	314.41	296.94	17.47	18.001 SF	
6,800.00	6,775.00	6,791.29	6,760.00	0.00	17.89	171.26	-312.71	-501.22	317.28	299.71	17.57	18.058	
6,900.00	6,875.00	6,876.65	6,839.65	0.00	17.82	165.89	-312.63	-470.67	324.83	307.20	17.63	18.424	
7,000.00	6,975.00	6,950.00	6,904.78	0.00	17.73	160.25	-312.55	-437.01	339.97	322.33	17.64	19.269	
7,100.00	7,075.00	7,022.11	6,965.13	0.00	17.63	154.13	-312.46	-397.59	364.79	347.18	17.61	20.713	
7,200.00	7,175.00	7,082.19	7,012.17	0.00	17.56	148.85	-312.36	-360.26	400.23	382.68	17.56	22.798	
7,300.00	7,275.00	7,134.67	7,050.59	0.00	17.50	144.29	-312.28	-324.51	445.85	428.36	17.49	25.492	
7,400.00	7,375.00	7,180.44	7,081.87	0.00	17.47	140.45	-312.19	-291.11	500.43	483.00	17.42	28.720	
7,500.00	7,475.00	7,220.41	7,107.40	0.00	17.46	137.25	-312.12	-260.37	562.51	545.14	17.36	32.394	
7,600.00	7,575.00	7,250.00	7,125.17	0.00	17.46	134.99	-312.06	-236.71	630.74	613.42	17.32	36.421	
7,700.00	7,675.00	7,286.15	7,145.53	0.00	17.50	132.38	-311.99	-206.85	703.80	686.54	17.27	40.763	
7,800.00	7,775.00	7,313.29	7,159.82	0.00	17.53	130.52	-311.93	-183.77	780.87	763.65	17.22	45.334	
7,900.00	7,875.00	7,354.91	7,180.67	0.00	17.63	127.87	-311.84	-147.75	860.81	843.64	17.17	50.129	
8,000.00	7,975.00	7,392.05	7,199.17	0.00	17.75	125.75	-311.77	-115.55	942.15	925.03	17.12	55.018	
8,100.00	8,075.00	7,400.00	7,203.01	0.00	17.78	125.31	-311.75	-108.59	1,025.76	1,008.65	17.12	59.933	
8,200.00	8,175.00	7,431.24	7,217.33	0.00	17.93	123.68	-311.68	-80.82	1,110.93	1,093.85	17.08	65.030	
8,300.00	8,275.00	7,450.00	7,225.35	0.00	18.02	122.74	-311.64	-63.86	1,197.90	1,180.84	17.06	70.207	
8,400.00	8,375.00	7,450.00	7,225.35	0.00	18.02	122.74	-311.64	-63.86	1,286.43	1,269.37	17.06	75.396	
8,475.00	8,450.00	7,473.80	7,234.86	0.00	18.18	121.60	-311.59	-42.05	1,353.28	1,336.24	17.04	79.418	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-75.26	-27.12	80.05				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-75.26	-27.12	80.00	79.92	0.08	976.067	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-75.26	-27.12	80.00	79.69	0.30	264.445	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-75.26	-27.12	80.00	79.47	0.53	151.718	
400.00	399.98	396.98	399.98	0.00	0.75	-71.43	-75.26	-27.12	79.42	78.67	0.75	105.512	
500.00	499.84	496.84	499.84	0.00	0.98	-75.11	-75.26	-27.12	77.92	76.94	0.98	79.680	
600.00	599.47	596.47	599.47	0.00	1.20	-81.30	-75.26	-27.12	76.17	74.97	1.20	63.421	
700.00	699.05	696.05	699.05	0.00	1.42	-88.21	-75.26	-27.12	75.32	73.90	1.42	52.887	
725.57	724.51	721.51	724.51	0.00	1.48	-90.00	-75.26	-27.12	75.29	73.80	1.48	50.820	CC, ES
800.00	798.62	795.62	798.62	0.00	1.65	-95.18	-75.26	-27.12	75.60	73.95	1.65	45.869	
900.00	898.20	893.28	896.26	0.00	1.84	-101.14	-76.58	-27.86	78.15	76.31	1.84	42.387	
1,000.00	997.77	990.93	993.79	0.00	2.02	-105.04	-80.80	-30.24	83.92	81.89	2.02	41.473	SF
1,100.00	1,097.35	1,088.44	1,090.95	0.00	2.22	-106.89	-87.91	-34.23	92.33	90.12	2.21	41.701	
1,200.00	1,196.92	1,185.58	1,187.42	0.00	2.44	-107.06	-97.84	-39.82	103.13	100.71	2.42	42.596	
1,300.00	1,296.49	1,282.14	1,282.86	0.00	2.69	-106.02	-110.54	-46.96	116.25	113.60	2.65	43.935	
1,400.00	1,396.07	1,377.89	1,376.98	0.00	2.97	-104.19	-125.89	-55.59	131.78	128.89	2.89	45.640	
1,500.00	1,495.64	1,476.08	1,473.14	0.00	3.30	-102.21	-143.24	-65.34	148.81	145.66	3.15	47.225	
1,600.00	1,595.22	1,574.51	1,569.51	0.00	3.66	-100.63	-160.63	-75.12	165.99	162.57	3.42	48.502	
1,700.00	1,694.79	1,672.93	1,665.89	0.00	4.03	-99.35	-178.02	-84.90	183.27	179.57	3.70	49.541	
1,800.00	1,794.37	1,771.35	1,762.27	0.00	4.41	-98.29	-195.41	-94.68	200.62	196.64	3.98	50.401	
1,900.00	1,893.94	1,869.77	1,858.65	0.00	4.80	-97.40	-212.80	-104.46	218.03	213.76	4.26	51.122	
2,000.00	1,993.51	1,968.19	1,955.02	0.00	5.20	-96.64	-230.19	-114.23	235.48	230.93	4.55	51.736	
2,100.00	2,093.09	2,066.61	2,051.40	0.00	5.61	-95.99	-247.58	-124.01	252.96	248.12	4.84	52.264	
2,200.00	2,192.66	2,165.03	2,147.78	0.00	6.01	-95.42	-264.97	-133.79	270.48	265.35	5.13	52.722	
2,300.00	2,292.24	2,263.45	2,244.16	0.00	6.43	-94.92	-282.36	-143.57	288.01	282.59	5.42	53.123	
2,400.00	2,391.81	2,361.87	2,340.54	0.00	6.84	-94.47	-299.75	-153.35	305.57	299.85	5.71	53.477	
2,500.00	2,491.39	2,460.30	2,436.91	0.00	7.26	-94.08	-317.14	-163.13	323.14	317.13	6.01	53.792	
2,600.00	2,590.96	2,558.72	2,533.29	0.00	7.68	-93.73	-334.53	-172.91	340.72	334.42	6.30	54.073	
2,700.00	2,690.53	2,657.14	2,629.67	0.00	8.10	-93.41	-351.93	-182.68	358.32	351.72	6.60	54.325	
2,800.00	2,790.11	2,755.56	2,726.05	0.00	8.52	-93.12	-369.32	-192.46	375.92	369.03	6.89	54.554	
2,900.00	2,889.68	2,853.98	2,822.42	0.00	8.94	-92.85	-386.71	-202.24	393.54	386.35	7.19	54.761	
3,000.00	2,989.26	2,952.40	2,918.80	0.00	9.37	-92.61	-404.10	-212.02	411.16	403.68	7.48	54.950	
3,100.00	3,088.83	3,050.82	3,015.18	0.00	9.80	-92.39	-421.49	-221.80	428.79	421.01	7.78	55.123	
3,200.00	3,188.41	3,149.24	3,111.56	0.00	10.22	-92.19	-438.88	-231.58	446.42	438.34	8.08	55.281	
3,300.00	3,287.98	3,247.66	3,207.93	0.00	10.65	-92.00	-456.27	-241.35	464.06	455.69	8.37	55.428	
3,400.00	3,387.56	3,346.09	3,304.31	0.00	11.08	-91.82	-473.66	-251.13	481.70	473.03	8.67	55.563	
3,500.00	3,487.13	3,444.51	3,400.69	0.00	11.51	-91.66	-491.05	-260.91	499.35	490.38	8.97	55.688	
3,600.00	3,586.70	3,542.93	3,497.07	0.00	11.93	-91.51	-508.44	-270.69	517.00	507.73	9.26	55.804	
3,700.00	3,686.28	3,641.35	3,593.45	0.00	12.36	-91.37	-525.83	-280.47	534.65	525.09	9.56	55.913	
3,800.00	3,785.85	3,739.77	3,689.82	0.00	12.79	-91.24	-543.22	-290.25	552.31	542.45	9.86	56.014	
3,900.00	3,885.43	3,838.19	3,786.20	0.00	13.22	-91.11	-560.61	-300.03	569.97	559.81	10.16	56.109	
4,000.00	3,985.00	3,936.61	3,882.58	0.00	13.65	-91.00	-578.00	-309.80	587.63	577.17	10.46	56.198	
4,100.00	4,084.58	4,035.03	3,978.96	0.00	14.09	-90.89	-595.39	-319.58	605.29	594.54	10.75	56.281	
4,200.00	4,184.15	4,133.45	4,075.33	0.00	14.52	-90.78	-612.79	-329.36	622.96	611.91	11.05	56.360	
4,300.00	4,283.72	4,231.88	4,171.71	0.00	14.95	-90.69	-630.18	-339.14	640.63	629.28	11.35	56.434	
4,400.00	4,383.30	4,330.30	4,268.09	0.00	15.38	-90.59	-647.57	-348.92	658.30	646.65	11.65	56.504	
4,500.00	4,482.87	4,428.72	4,364.47	0.00	15.81	-90.51	-664.96	-358.70	675.97	664.02	11.95	56.570	
4,600.00	4,582.45	4,527.14	4,460.85	0.00	16.24	-90.42	-682.35	-368.47	693.64	681.39	12.25	56.633	
4,700.00	4,682.02	4,625.56	4,557.22	0.00	16.68	-90.34	-699.74	-378.25	711.31	698.77	12.55	56.692	
4,800.00	4,781.60	4,723.98	4,653.60	0.00	17.11	-90.27	-717.13	-388.03	728.99	716.14	12.85	56.749	
4,900.00	4,881.17	4,822.40	4,749.98	0.00	17.54	-90.20	-734.52	-397.81	746.67	733.52	13.14	56.802	
5,000.00	4,980.74	4,920.82	4,846.36	0.00	17.97	-90.13	-751.91	-407.59	764.34	750.90	13.44	56.853	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 6H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	5,019.25	4,942.73	0.00	18.41	-90.06	-769.30	-417.37	782.02	768.28	13.74	56.902	
5,200.00	5,179.89	5,117.67	5,039.11	0.00	18.84	-90.00	-786.69	-427.15	799.70	785.66	14.04	56.948	
5,300.00	5,279.47	5,216.09	5,135.49	0.00	19.27	-89.94	-804.08	-436.92	817.38	803.04	14.34	56.993	
5,400.00	5,379.04	5,314.51	5,231.87	0.00	19.71	-89.89	-821.47	-446.70	835.06	820.42	14.64	57.035	
5,500.00	5,478.62	5,412.93	5,328.25	0.00	20.14	-89.83	-838.86	-456.48	852.74	837.80	14.94	57.076	
5,600.00	5,578.19	5,511.35	5,424.62	0.00	20.57	-89.78	-856.25	-466.26	870.43	855.19	15.24	57.114	
5,700.00	5,677.77	5,609.77	5,521.00	0.00	21.01	-89.73	-873.65	-476.04	888.11	872.57	15.54	57.152	
5,800.00	5,777.34	5,708.19	5,617.38	0.00	21.44	-89.68	-891.04	-485.82	905.79	889.95	15.84	57.187	
5,900.00	5,876.91	5,806.61	5,713.76	0.00	21.87	-89.63	-908.43	-495.60	923.48	907.34	16.14	57.221	
6,000.00	5,976.49	5,916.12	5,821.04	0.00	22.32	-89.59	-927.55	-506.35	941.00	924.55	16.45	57.189	
6,100.00	6,076.06	6,055.20	5,958.19	0.00	22.71	-89.69	-947.62	-517.63	955.44	938.65	16.79	56.912	
6,200.00	6,175.64	6,195.61	6,097.61	0.00	23.04	-89.98	-961.98	-525.71	965.66	948.55	17.12	56.413	
6,300.00	6,275.24	6,336.70	6,238.36	0.00	23.28	-90.48	-970.38	-530.43	971.66	954.22	17.44	55.730	
6,400.00	6,375.04	6,473.23	6,374.85	0.00	23.47	-90.93	-972.78	-531.69	973.42	955.71	17.71	54.956	
6,500.00	6,475.00	6,570.26	6,471.47	0.00	23.52	-91.56	-972.76	-523.64	973.63	955.76	17.87	54.480	
6,600.00	6,575.00	6,663.51	6,562.49	0.00	23.51	177.31	-972.71	-503.67	974.39	956.39	18.00	54.129	
6,700.00	6,675.00	6,750.00	6,643.94	0.00	23.45	175.61	-972.64	-474.73	976.53	958.40	18.12	53.880	
6,800.00	6,775.00	6,828.99	6,714.78	0.00	23.35	173.58	-972.56	-439.89	981.08	962.84	18.24	53.782	
6,900.00	6,875.00	6,900.00	6,774.86	0.00	23.24	171.39	-972.46	-402.08	989.16	970.80	18.36	53.864	
7,000.00	6,975.00	6,960.72	6,823.05	0.00	23.13	169.28	-972.37	-365.16	1,001.78	983.30	18.49	54.194	
7,100.00	7,075.00	7,014.65	6,863.09	0.00	23.02	167.24	-972.28	-329.06	1,019.72	1,001.11	18.61	54.796	
7,200.00	7,175.00	7,061.69	6,895.71	0.00	22.93	165.35	-972.20	-295.18	1,043.47	1,024.74	18.73	55.705	
7,300.00	7,275.00	7,100.00	6,920.59	0.00	22.86	163.76	-972.13	-266.06	1,073.29	1,054.45	18.84	56.966	
7,400.00	7,375.00	7,138.70	6,944.11	0.00	22.78	162.10	-972.06	-235.33	1,109.15	1,090.19	18.97	58.483	
7,500.00	7,475.00	7,170.26	6,962.04	0.00	22.72	160.73	-971.99	-209.36	1,150.89	1,131.82	19.07	60.339	
7,600.00	7,575.00	7,200.00	6,977.87	0.00	22.66	159.42	-971.93	-184.19	1,198.17	1,179.00	19.18	62.480	
7,700.00	7,675.00	7,234.35	6,995.14	0.00	22.59	157.90	-971.86	-154.49	1,250.48	1,231.17	19.31	64.750	
7,800.00	7,775.00	7,272.19	7,014.06	0.00	22.53	156.26	-971.78	-121.72	1,306.65	1,287.19	19.46	67.162	
7,900.00	7,875.00	7,300.00	7,027.49	0.00	22.48	155.07	-971.72	-97.37	1,366.70	1,347.13	19.57	69.845	
8,000.00	7,975.00	7,317.75	7,035.56	0.00	22.45	154.30	-971.68	-81.57	1,430.59	1,410.95	19.64	72.829	
8,100.00	8,075.00	7,350.00	7,049.23	0.00	22.41	152.92	-971.61	-52.36	1,498.10	1,478.33	19.78	75.751	
8,200.00	8,175.00	7,350.00	7,049.23	0.00	22.41	152.92	-971.61	-52.36	1,568.27	1,548.49	19.78	79.299	
8,300.00	8,275.00	7,350.00	7,049.23	0.00	22.41	152.92	-971.61	-52.36	1,641.53	1,621.75	19.78	83.003	
8,400.00	8,375.00	7,377.51	7,059.83	0.00	22.37	151.75	-971.55	-26.97	1,716.84	1,696.94	19.90	86.292	
8,475.00	8,450.00	7,400.00	7,067.77	0.00	22.34	150.79	-971.49	-5.93	1,775.03	1,755.04	19.99	88.788	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-94.08	-33.91	100.05				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-94.08	-33.91	100.00	99.92	0.08	1,220.183	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-94.08	-33.91	100.00	99.70	0.30	330.583	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-94.08	-33.91	100.00	99.48	0.53	189.663	
400.00	399.98	396.98	399.98	0.00	0.75	-71.19	-94.08	-33.91	99.43	98.68	0.75	132.083	
500.00	499.84	496.84	499.84	0.00	0.98	-74.12	-94.08	-33.91	97.87	96.89	0.98	100.063	
600.00	599.47	596.47	599.47	0.00	1.20	-79.02	-94.08	-33.91	95.88	94.68	1.20	79.810	
700.00	699.05	696.05	699.05	0.00	1.42	-84.48	-94.08	-33.91	94.55	93.13	1.42	66.382	
799.05	797.67	794.67	797.67	0.00	1.65	-90.00	-94.08	-33.91	94.11	92.47	1.65	57.181 CC	
800.00	798.62	795.62	798.62	0.00	1.65	-90.05	-94.08	-33.91	94.11	92.46	1.65	57.107 ES	
900.00	898.20	895.20	898.20	0.00	1.87	-95.62	-94.08	-33.91	94.57	92.70	1.87	50.521	
1,000.00	997.77	994.77	997.77	0.00	2.10	-101.09	-94.08	-33.91	95.92	93.82	2.10	45.764	
1,100.00	1,097.35	1,091.72	1,094.70	0.00	2.29	-105.75	-95.48	-34.36	99.37	97.08	2.29	43.417	
1,200.00	1,196.92	1,188.49	1,191.35	0.00	2.46	-108.98	-99.98	-35.81	106.13	103.67	2.46	43.107 SF	
1,300.00	1,296.49	1,285.01	1,287.54	0.00	2.64	-110.78	-107.56	-38.25	115.80	113.15	2.64	43.821	
1,400.00	1,396.07	1,381.08	1,382.96	0.00	2.85	-111.37	-118.17	-41.67	128.13	125.29	2.83	45.197	
1,500.00	1,495.64	1,476.47	1,477.28	0.00	3.08	-111.01	-131.71	-46.03	143.02	139.98	3.04	47.035	
1,600.00	1,595.22	1,570.99	1,570.22	0.00	3.34	-110.01	-148.07	-51.29	160.48	157.22	3.26	49.213	
1,700.00	1,694.79	1,664.44	1,661.50	0.00	3.65	-108.61	-167.10	-57.42	180.56	177.06	3.49	51.663	
1,800.00	1,794.37	1,756.65	1,750.89	0.00	3.99	-106.98	-188.64	-64.36	203.30	199.56	3.74	54.348	
1,900.00	1,893.94	1,847.46	1,838.16	0.00	4.38	-105.27	-212.53	-72.05	228.77	224.77	4.00	57.248	
2,000.00	1,993.51	1,936.72	1,923.12	0.00	4.81	-103.56	-238.56	-80.43	256.98	252.72	4.26	60.357	
2,100.00	2,093.09	2,028.30	2,009.51	0.00	5.30	-101.88	-267.48	-89.74	287.59	283.05	4.54	63.401	
2,200.00	2,192.66	2,123.07	2,098.80	0.00	5.83	-100.43	-297.69	-99.46	318.68	313.85	4.83	66.007	
2,300.00	2,292.24	2,217.84	2,188.10	0.00	6.38	-99.25	-327.91	-109.19	349.92	344.79	5.12	68.292	
2,400.00	2,391.81	2,312.60	2,277.39	0.00	6.94	-98.26	-358.12	-118.92	381.27	375.85	5.42	70.308	
2,500.00	2,491.39	2,407.37	2,366.69	0.00	7.52	-97.42	-388.33	-128.65	412.71	406.99	5.72	72.093	
2,600.00	2,590.96	2,502.14	2,455.98	0.00	8.10	-96.69	-418.54	-138.37	444.22	438.19	6.03	73.682	
2,700.00	2,690.53	2,596.90	2,545.28	0.00	8.68	-96.07	-448.75	-148.10	475.78	469.45	6.34	75.102	
2,800.00	2,790.11	2,691.67	2,634.57	0.00	9.28	-95.52	-478.96	-157.83	507.39	500.75	6.64	76.378	
2,900.00	2,889.68	2,786.44	2,723.86	0.00	9.88	-95.03	-509.17	-167.55	539.04	532.09	6.95	77.529	
3,000.00	2,989.26	2,881.20	2,813.16	0.00	10.48	-94.60	-539.39	-177.28	570.72	563.46	7.26	78.571	
3,100.00	3,088.83	2,975.97	2,902.45	0.00	11.08	-94.22	-569.60	-187.01	602.42	594.85	7.58	79.520	
3,200.00	3,188.41	3,070.74	2,991.75	0.00	11.69	-93.87	-599.81	-196.73	634.15	626.26	7.89	80.385	
3,300.00	3,287.98	3,165.51	3,081.04	0.00	12.29	-93.56	-630.02	-206.46	665.90	657.69	8.20	81.177	
3,400.00	3,387.56	3,260.27	3,170.34	0.00	12.90	-93.27	-660.23	-216.19	697.66	689.14	8.52	81.905	
3,500.00	3,487.13	3,355.04	3,259.63	0.00	13.52	-93.01	-690.44	-225.91	729.43	720.60	8.83	82.576	
3,600.00	3,586.70	3,449.81	3,348.92	0.00	14.13	-92.77	-720.65	-235.64	761.22	752.07	9.15	83.195	
3,700.00	3,686.28	3,544.57	3,438.22	0.00	14.74	-92.55	-750.86	-245.37	793.02	783.56	9.47	83.768	
3,800.00	3,785.85	3,639.34	3,527.51	0.00	15.36	-92.35	-781.08	-255.09	824.83	815.05	9.78	84.301	
3,900.00	3,885.43	3,734.11	3,616.81	0.00	15.98	-92.16	-811.29	-264.82	856.65	846.55	10.10	84.796	
4,000.00	3,985.00	3,828.88	3,706.10	0.00	16.59	-91.98	-841.50	-274.55	888.47	878.05	10.42	85.258	
4,100.00	4,084.58	3,923.64	3,795.40	0.00	17.21	-91.82	-871.71	-284.27	920.31	909.57	10.74	85.690	
4,200.00	4,184.15	4,018.41	3,884.69	0.00	17.83	-91.67	-901.92	-294.00	952.14	941.09	11.06	86.095	
4,300.00	4,283.72	4,113.18	3,973.98	0.00	18.45	-91.53	-932.13	-303.73	983.99	972.61	11.38	86.474	
4,400.00	4,383.30	4,207.94	4,063.28	0.00	19.07	-91.40	-962.34	-313.45	1,015.84	1,004.14	11.70	86.831	
4,500.00	4,482.87	4,302.71	4,152.57	0.00	19.69	-91.27	-992.55	-323.18	1,047.69	1,035.67	12.02	87.166	
4,600.00	4,582.45	4,397.48	4,241.87	0.00	20.31	-91.15	-1,022.77	-332.91	1,079.55	1,067.21	12.34	87.483	
4,700.00	4,682.02	4,492.25	4,331.16	0.00	20.93	-91.04	-1,052.98	-342.63	1,111.41	1,098.75	12.66	87.781	
4,800.00	4,781.60	4,587.01	4,420.46	0.00	21.55	-90.94	-1,083.19	-352.36	1,143.28	1,130.29	12.98	88.064	
4,900.00	4,881.17	4,681.78	4,509.75	0.00	22.17	-90.84	-1,113.40	-362.09	1,175.15	1,161.84	13.30	88.331	
5,000.00	4,980.74	4,776.55	4,599.04	0.00	22.79	-90.75	-1,143.61	-371.81	1,207.02	1,193.39	13.63	88.585	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 7H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,871.31	4,688.34	0.00	23.42	-90.66	-1,173.82	-381.54	1,238.89	1,224.94	13.95	88.825	
5,200.00	5,179.89	4,966.08	4,777.63	0.00	24.04	-90.57	-1,204.03	-391.27	1,270.77	1,256.50	14.27	89.054	
5,300.00	5,279.47	5,060.85	4,866.93	0.00	24.66	-90.49	-1,234.24	-400.99	1,302.65	1,288.06	14.59	89.272	
5,400.00	5,379.04	5,155.61	4,956.22	0.00	25.28	-90.42	-1,264.46	-410.72	1,334.53	1,319.61	14.91	89.479	
5,500.00	5,478.62	5,250.38	5,045.52	0.00	25.91	-90.34	-1,294.67	-420.45	1,366.41	1,351.18	15.24	89.677	
5,600.00	5,578.19	5,345.15	5,134.81	0.00	26.53	-90.27	-1,324.88	-430.17	1,398.30	1,382.74	15.56	89.866	
5,700.00	5,677.77	5,439.92	5,224.10	0.00	27.15	-90.21	-1,355.09	-439.90	1,430.18	1,414.30	15.88	90.046	
5,800.00	5,777.34	5,534.68	5,313.40	0.00	27.78	-90.14	-1,385.30	-449.63	1,462.07	1,445.87	16.21	90.218	
5,900.00	5,876.91	5,629.45	5,402.69	0.00	28.40	-90.08	-1,415.51	-459.35	1,493.96	1,477.43	16.53	90.383	
6,000.00	5,976.49	5,724.22	5,491.99	0.00	29.03	-90.03	-1,445.72	-469.08	1,525.86	1,509.00	16.85	90.541	
6,100.00	6,076.06	5,821.14	5,583.31	0.00	29.66	-89.97	-1,476.62	-479.03	1,557.75	1,540.56	17.18	90.661	
6,200.00	6,175.64	6,020.99	5,773.89	0.00	30.61	-89.94	-1,533.77	-497.42	1,586.37	1,568.60	17.77	89.264	
6,300.00	6,275.24	6,227.98	5,975.18	0.00	31.37	-90.23	-1,579.47	-512.14	1,608.48	1,590.12	18.36	87.621	
6,400.00	6,375.04	6,440.45	6,184.87	0.00	31.96	-90.62	-1,611.88	-522.57	1,623.76	1,604.86	18.90	85.901	
6,500.00	6,475.00	6,656.52	6,400.08	0.00	32.36	-90.77	-1,629.57	-528.27	1,631.96	1,612.63	19.32	84.450	
6,600.00	6,575.00	6,830.67	6,574.17	0.00	32.55	179.26	-1,632.77	-528.43	1,633.43	1,613.85	19.58	83.429	
6,700.00	6,675.00	6,927.00	6,669.76	0.00	32.58	178.87	-1,632.74	-517.23	1,633.60	1,613.89	19.70	82.918	
6,800.00	6,775.00	7,018.76	6,758.66	0.00	32.56	178.08	-1,632.69	-494.73	1,634.21	1,614.40	19.81	82.477	
6,900.00	6,875.00	7,103.55	6,837.63	0.00	32.51	177.01	-1,632.61	-463.99	1,635.80	1,615.88	19.92	82.117	
7,000.00	6,975.00	7,180.06	6,905.33	0.00	32.43	175.76	-1,632.52	-428.42	1,639.01	1,618.99	20.02	81.860	
7,100.00	7,075.00	7,250.00	6,963.57	0.00	32.35	174.42	-1,632.43	-389.75	1,644.52	1,624.39	20.13	81.692	
7,200.00	7,175.00	7,307.59	7,008.52	0.00	32.27	173.17	-1,632.34	-353.77	1,652.95	1,632.72	20.24	81.680	
7,300.00	7,275.00	7,359.71	7,046.59	0.00	32.19	171.94	-1,632.25	-318.19	1,664.82	1,644.46	20.35	81.805	
7,400.00	7,375.00	7,400.00	7,074.18	0.00	32.14	170.93	-1,632.18	-288.84	1,680.51	1,660.06	20.45	82.170	
7,500.00	7,475.00	7,450.00	7,106.06	0.00	32.06	169.62	-1,632.09	-250.34	1,700.29	1,679.69	20.60	82.548	
7,600.00	7,575.00	7,479.69	7,123.70	0.00	32.02	168.81	-1,632.03	-226.45	1,724.30	1,703.60	20.70	83.305	
7,700.00	7,675.00	7,500.00	7,135.18	0.00	31.99	168.25	-1,631.99	-209.70	1,752.69	1,731.92	20.77	84.395	
7,800.00	7,775.00	7,545.31	7,159.07	0.00	31.94	166.96	-1,631.90	-171.20	1,785.28	1,764.33	20.94	85.242	
7,900.00	7,875.00	7,579.22	7,176.02	0.00	31.89	165.98	-1,631.82	-141.84	1,821.88	1,800.79	21.09	86.374	
8,000.00	7,975.00	7,605.31	7,189.07	0.00	31.87	165.24	-1,631.77	-119.24	1,862.02	1,840.82	21.21	87.809	
8,100.00	8,075.00	7,636.50	7,204.06	0.00	31.84	164.34	-1,631.70	-91.91	1,905.78	1,884.43	21.35	89.244	
8,200.00	8,175.00	7,650.00	7,210.19	0.00	31.83	163.95	-1,631.67	-79.87	1,953.31	1,931.89	21.42	91.189	
8,300.00	8,275.00	7,671.74	7,219.57	0.00	31.81	163.32	-1,631.62	-60.26	2,004.28	1,982.75	21.53	93.084	
8,400.00	8,375.00	7,700.00	7,230.86	0.00	31.79	162.49	-1,631.56	-34.35	2,058.65	2,036.97	21.68	94.943	
8,475.00	8,450.00	7,700.00	7,230.86	0.00	31.79	162.49	-1,631.56	-34.35	2,101.26	2,079.58	21.68	96.908	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SDI MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	0.00	0.00	-160.18	-112.89	-40.69	120.04				
100.00	100.00	97.00	100.00	0.00	0.08	-160.18	-112.89	-40.69	120.00	119.92	0.08	1,464.142	
200.00	200.00	197.00	200.00	0.00	0.30	-160.18	-112.89	-40.69	120.00	119.70	0.30	396.678	
300.00	300.00	297.00	300.00	0.00	0.53	-160.18	-112.89	-40.69	120.00	119.47	0.53	227.583	
400.00	399.98	396.98	399.98	0.00	0.75	-71.03	-112.89	-40.69	119.42	118.67	0.75	158.639	
500.00	499.84	496.84	499.84	0.00	0.98	-73.47	-112.89	-40.69	117.82	116.84	0.98	120.452	
600.00	599.47	596.47	599.47	0.00	1.20	-77.52	-112.89	-40.69	115.69	114.48	1.20	96.270	
700.00	699.05	696.05	699.05	0.00	1.42	-82.02	-112.89	-40.69	114.04	112.62	1.42	80.051	
800.00	798.62	795.62	798.62	0.00	1.65	-86.63	-112.89	-40.69	113.13	111.48	1.65	68.642	
817.08	815.63	812.16	815.16	0.00	1.68	-87.40	-112.92	-40.70	113.07	111.39	1.68	67.230	CC, ES
900.00	898.20	891.66	894.64	0.00	1.84	-90.95	-114.32	-41.01	114.44	112.60	1.84	62.242	
1,000.00	997.77	987.45	990.31	0.00	2.01	-94.66	-118.87	-42.03	119.60	117.59	2.01	59.463	
1,100.00	1,097.35	1,082.95	1,085.49	0.00	2.20	-97.55	-126.51	-43.74	128.37	126.18	2.19	58.584	SF
1,200.00	1,196.92	1,177.96	1,179.86	0.00	2.41	-99.55	-137.18	-46.13	140.49	138.11	2.38	59.011	
1,300.00	1,296.49	1,272.26	1,273.12	0.00	2.65	-100.76	-150.79	-49.18	155.74	153.16	2.58	60.353	
1,400.00	1,396.07	1,365.67	1,365.00	0.00	2.92	-101.32	-167.21	-52.86	174.00	171.20	2.79	62.331	
1,500.00	1,495.64	1,457.99	1,455.22	0.00	3.23	-101.40	-186.30	-57.13	195.15	192.14	3.01	64.757	
1,600.00	1,595.22	1,549.07	1,543.57	0.00	3.59	-101.13	-207.91	-61.97	219.14	215.90	3.25	67.514	
1,700.00	1,694.79	1,638.75	1,629.82	0.00	3.99	-100.63	-231.85	-67.33	245.93	242.44	3.49	70.523	
1,800.00	1,794.37	1,726.89	1,713.80	0.00	4.43	-100.00	-257.94	-73.18	275.47	271.73	3.74	73.738	
1,900.00	1,893.94	1,813.36	1,795.36	0.00	4.90	-99.29	-285.97	-79.45	307.72	303.73	3.99	77.125	
2,000.00	1,993.51	1,900.00	1,876.17	0.00	5.43	-98.53	-316.45	-86.28	342.62	338.37	4.25	80.546	
2,100.00	2,093.09	1,980.89	1,950.73	0.00	5.97	-97.80	-347.05	-93.13	380.11	375.60	4.51	84.270	
2,200.00	2,192.66	2,061.80	2,024.39	0.00	6.55	-97.07	-379.70	-100.45	420.13	415.36	4.77	88.006	
2,300.00	2,292.24	2,140.71	2,095.30	0.00	7.15	-96.36	-413.48	-108.01	462.60	457.57	5.04	91.854	
2,400.00	2,391.81	2,217.59	2,163.44	0.00	7.77	-95.69	-448.22	-115.79	507.45	502.16	5.30	95.818	
2,500.00	2,491.39	2,304.52	2,239.82	0.00	8.51	-95.00	-488.72	-124.87	553.75	548.15	5.60	98.971	
2,600.00	2,590.96	2,392.96	2,317.52	0.00	9.26	-94.39	-529.94	-134.10	600.11	594.21	5.90	101.678	
2,700.00	2,690.53	2,481.40	2,395.22	0.00	10.03	-93.88	-571.17	-143.33	646.52	640.30	6.21	104.066	
2,800.00	2,790.11	2,569.84	2,472.92	0.00	10.80	-93.43	-612.39	-152.56	692.96	686.44	6.53	106.188	
2,900.00	2,889.68	2,658.28	2,550.62	0.00	11.58	-93.04	-653.61	-161.79	739.43	732.59	6.84	108.082	
3,000.00	2,989.26	2,746.72	2,628.32	0.00	12.36	-92.70	-694.83	-171.03	785.93	778.77	7.16	109.779	
3,100.00	3,088.83	2,835.16	2,706.02	0.00	13.14	-92.39	-736.05	-180.26	832.45	824.97	7.48	111.307	
3,200.00	3,188.41	2,923.60	2,783.72	0.00	13.93	-92.12	-777.27	-189.49	878.98	871.18	7.80	112.687	
3,300.00	3,287.98	3,012.04	2,861.42	0.00	14.71	-91.87	-818.49	-198.72	925.53	917.40	8.12	113.938	
3,400.00	3,387.56	3,100.48	2,939.12	0.00	15.50	-91.65	-859.71	-207.96	972.08	963.64	8.45	115.077	
3,500.00	3,487.13	3,188.92	3,016.82	0.00	16.29	-91.45	-900.93	-217.19	1,018.65	1,009.88	8.77	116.114	
3,600.00	3,586.70	3,277.36	3,094.52	0.00	17.09	-91.27	-942.15	-226.42	1,065.23	1,056.13	9.10	117.064	
3,700.00	3,686.28	3,365.80	3,172.22	0.00	17.88	-91.10	-983.37	-235.65	1,111.82	1,102.39	9.43	117.937	
3,800.00	3,785.85	3,454.24	3,249.92	0.00	18.68	-90.94	-1,024.59	-244.88	1,158.41	1,148.66	9.76	118.742	
3,900.00	3,885.43	3,542.68	3,327.62	0.00	19.47	-90.80	-1,065.81	-254.12	1,205.01	1,194.93	10.08	119.486	
4,000.00	3,985.00	3,631.12	3,405.32	0.00	20.27	-90.67	-1,107.03	-263.35	1,251.62	1,241.20	10.41	120.175	
4,100.00	4,084.58	3,719.56	3,483.02	0.00	21.06	-90.54	-1,148.25	-272.58	1,298.23	1,287.48	10.75	120.815	
4,200.00	4,184.15	3,808.00	3,560.72	0.00	21.86	-90.43	-1,189.47	-281.81	1,344.84	1,333.76	11.08	121.410	
4,300.00	4,283.72	3,896.44	3,638.42	0.00	22.66	-90.32	-1,230.70	-291.04	1,391.46	1,380.05	11.41	121.965	
4,400.00	4,383.30	3,984.88	3,716.12	0.00	23.46	-90.22	-1,271.92	-300.28	1,438.08	1,426.34	11.74	122.482	
4,500.00	4,482.87	4,073.32	3,793.82	0.00	24.26	-90.13	-1,313.14	-309.51	1,484.71	1,472.63	12.07	122.967	
4,600.00	4,582.45	4,161.76	3,871.52	0.00	25.06	-90.04	-1,354.36	-318.74	1,531.33	1,518.93	12.41	123.422	
4,700.00	4,682.02	4,250.20	3,949.22	0.00	25.86	-89.96	-1,395.58	-327.97	1,577.96	1,565.22	12.74	123.849	
4,800.00	4,781.60	4,338.64	4,026.92	0.00	26.66	-89.88	-1,436.80	-337.21	1,624.60	1,611.52	13.08	124.252	
4,900.00	4,881.17	4,427.08	4,104.62	0.00	27.46	-89.80	-1,478.02	-346.44	1,671.23	1,657.82	13.41	124.631	
5,000.00	4,980.74	4,515.52	4,182.32	0.00	28.26	-89.73	-1,519.24	-355.67	1,717.87	1,704.13	13.74	124.988	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design NEBU 604 Pad - NEBU 604 COM 8H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SDI MWD

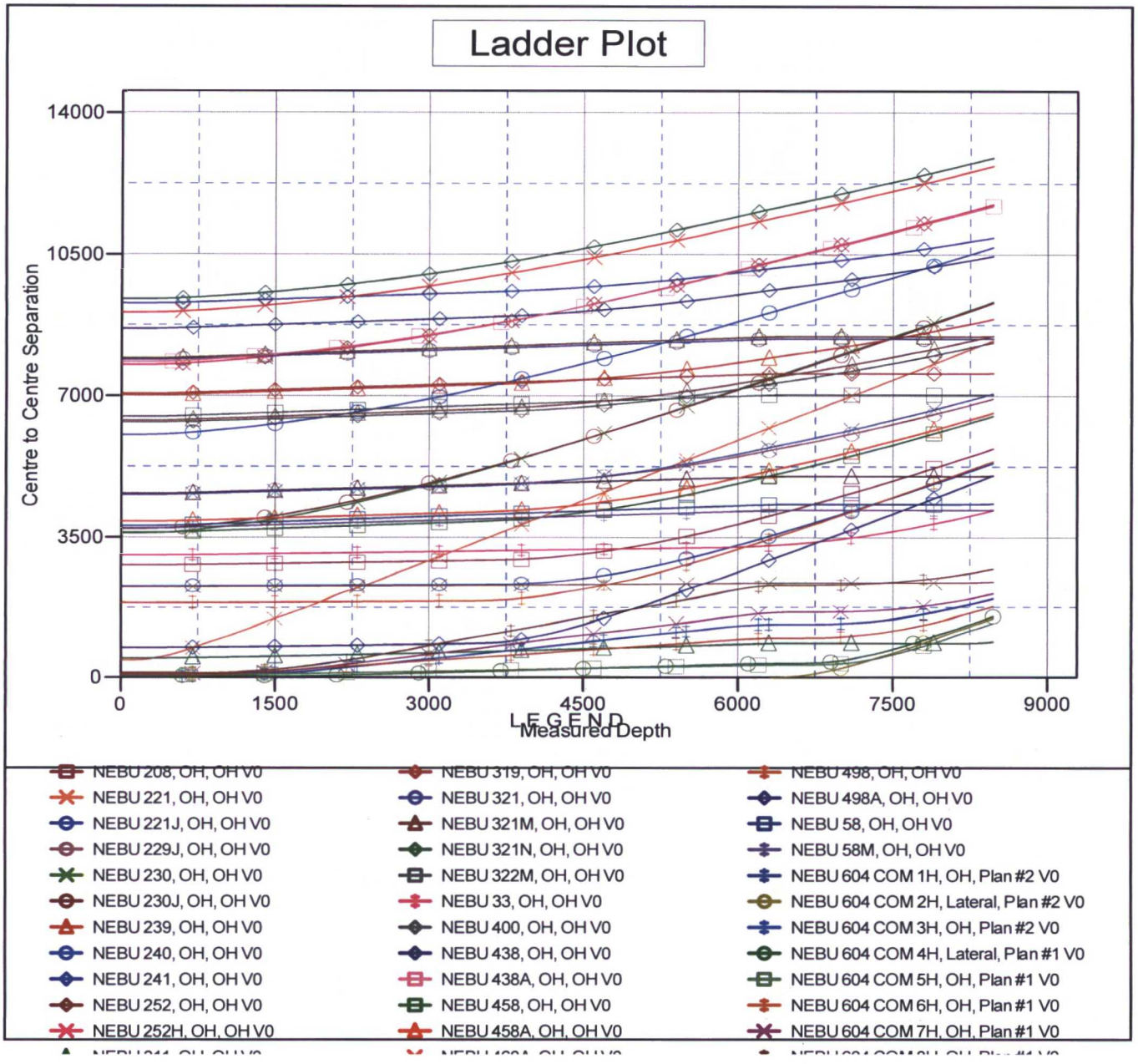
Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,080.32	4,603.96	4,260.02	0.00	29.06	-89.67	-1,560.46	-364.90	1,764.51	1,750.43	14.08	125.327	
5,200.00	5,179.89	4,692.40	4,337.72	0.00	29.87	-89.60	-1,601.68	-374.13	1,811.15	1,796.73	14.41	125.646	
5,300.00	5,279.47	4,780.84	4,415.42	0.00	30.67	-89.55	-1,642.90	-383.37	1,857.79	1,843.04	14.75	125.949	
5,400.00	5,379.04	4,869.28	4,493.12	0.00	31.47	-89.49	-1,684.12	-392.60	1,904.44	1,889.35	15.09	126.236	
5,500.00	5,478.62	4,957.72	4,570.82	0.00	32.27	-89.43	-1,725.34	-401.83	1,951.08	1,935.66	15.42	126.509	
5,600.00	5,578.19	5,046.16	4,648.52	0.00	33.07	-89.38	-1,766.56	-411.06	1,997.73	1,981.97	15.76	126.769	
5,700.00	5,677.77	5,134.60	4,726.22	0.00	33.88	-89.33	-1,807.78	-420.30	2,044.38	2,028.28	16.10	127.016	
5,800.00	5,777.34	5,223.04	4,803.92	0.00	34.68	-89.29	-1,849.00	-429.53	2,091.02	2,074.59	16.43	127.251	
5,900.00	5,876.91	5,311.48	4,881.62	0.00	35.48	-89.24	-1,890.23	-438.76	2,137.67	2,120.91	16.77	127.476	
6,000.00	5,976.49	5,399.92	4,959.32	0.00	36.29	-89.20	-1,931.45	-447.99	2,184.33	2,167.22	17.11	127.690	
6,100.00	6,076.06	5,619.34	5,154.48	0.00	37.87	-89.13	-2,029.21	-469.89	2,229.76	2,211.88	17.88	124.715	
6,200.00	6,175.64	6,017.83	5,525.96	0.00	40.01	-89.27	-2,169.05	-501.21	2,264.95	2,245.81	19.14	118.321	
6,300.00	6,275.24	6,450.56	5,947.57	0.00	41.57	-89.87	-2,262.39	-522.11	2,286.59	2,266.26	20.33	112.475	
6,400.00	6,375.04	6,879.46	6,374.94	0.00	42.26	-90.50	-2,292.78	-528.89	2,293.38	2,272.20	21.17	108.316	
6,500.00	6,475.00	6,976.66	6,471.78	0.00	42.30	-90.75	-2,292.76	-521.48	2,293.46	2,272.16	21.30	107.674	
6,600.00	6,575.00	7,070.22	6,563.23	0.00	42.29	178.82	-2,292.71	-502.03	2,293.76	2,272.36	21.40	107.185	
6,700.00	6,675.00	7,157.40	6,645.49	0.00	42.25	178.10	-2,292.64	-473.32	2,294.63	2,273.14	21.49	106.783	
6,800.00	6,775.00	7,236.55	6,716.66	0.00	42.20	177.24	-2,292.56	-438.77	2,296.50	2,274.93	21.57	106.467	
6,900.00	6,875.00	7,307.07	6,776.52	0.00	42.13	176.31	-2,292.47	-401.55	2,299.87	2,278.22	21.65	106.218	
7,000.00	6,975.00	7,369.15	6,825.96	0.00	42.07	175.38	-2,292.38	-364.04	2,305.21	2,283.47	21.74	106.045	
7,100.00	7,075.00	7,423.44	6,866.40	0.00	42.01	174.48	-2,292.29	-327.84	2,312.92	2,291.10	21.83	105.958	
7,200.00	7,175.00	7,470.81	6,899.36	0.00	41.96	173.64	-2,292.21	-293.83	2,323.34	2,301.42	21.92	105.976	
7,300.00	7,275.00	7,512.15	6,926.23	0.00	41.91	172.87	-2,292.13	-262.42	2,336.72	2,314.71	22.02	106.120	
7,400.00	7,375.00	7,550.00	6,949.20	0.00	41.87	172.13	-2,292.06	-232.34	2,353.25	2,331.13	22.12	106.389	
7,500.00	7,475.00	7,580.08	6,966.31	0.00	41.84	171.52	-2,291.99	-207.60	2,373.03	2,350.81	22.21	106.833	
7,600.00	7,575.00	7,608.09	6,981.29	0.00	41.82	170.94	-2,291.94	-183.94	2,396.13	2,373.83	22.30	107.435	
7,700.00	7,675.00	7,643.31	6,999.04	0.00	41.79	170.20	-2,291.86	-153.52	2,422.54	2,400.11	22.43	107.985	
7,800.00	7,775.00	7,683.33	7,019.06	0.00	41.76	169.36	-2,291.78	-118.86	2,451.83	2,429.24	22.59	108.536	
7,900.00	7,875.00	7,700.00	7,027.22	0.00	41.75	169.01	-2,291.74	-104.33	2,484.22	2,461.56	22.66	109.627	
8,000.00	7,975.00	7,728.12	7,040.22	0.00	41.73	168.41	-2,291.68	-79.40	2,519.71	2,496.92	22.79	110.583	
8,100.00	8,075.00	7,750.00	7,049.65	0.00	41.73	167.94	-2,291.63	-59.66	2,558.36	2,535.47	22.89	111.764	
8,200.00	8,175.00	7,750.00	7,049.65	0.00	41.73	167.94	-2,291.63	-59.66	2,600.05	2,577.16	22.89	113.585	
8,300.00	8,275.00	7,775.18	7,059.76	0.00	41.72	167.39	-2,291.58	-36.60	2,644.53	2,621.52	23.01	114.944	
8,400.00	8,375.00	7,800.00	7,068.92	0.00	41.72	166.84	-2,291.52	-13.53	2,691.93	2,668.78	23.15	116.296	
8,475.00	8,450.00	7,800.00	7,068.92	0.00	41.72	166.84	-2,291.52	-13.53	2,729.11	2,705.96	23.15	117.902	

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 6500' & RKB 25' @ 6525.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -107.8333334

Coordinates are relative to: NEBU 604 COM 2H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.18°



CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	B.P.	**Local Co-ordinate Reference:**	Well NEBU 604 COM 2H
Project:	San Juan County, NM NAD83	**TVD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Reference Site:	NEBU 604 Pad	**MD Reference:**	GL 6500' & RKB 25' @ 6525.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	NEBU 604 COM 2H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Pilot	**Database:**	Grand Junction District
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 6500' & RKB 25' @ 6525.00usft	Coordinates are relative to: NEBU 604 COM 2H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Western Zone
Central Meridian is -107.8333334	Grid Convergence at Surface is: 0.18°

Separation Factor Plot

