

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**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 reverse side.**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **BOPCO, L. P.**3a. Address
P. O. Box 2760 Midland, TX 797023b. Phone No. (include area code)
432-683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1000' FNL, 1249' FWL, Sec 15, T19S-R29E, Lat: N32.483825, Long: W103.976444
BHL: 1980' FNL, 330' FEL, Sec 13, T19S-R29E, Lat: N32.41081, Long: W103.9302

5. Lease Serial No.

BHL: NM 02447

6. If Indian, Allottee or Tribe Name

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

Big Eddy Unit 6829X

8. Well Name and No.

Big Eddy Unit DI 28 #254H

9. API Well No.

30-015-41798

10. Field and Pool, or Exploratory Area

WC-015 G-08 S212915D; Bone Spring

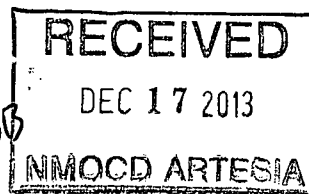
11. County or Parish, State

Eddy County, NM**12. CHECK 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	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ 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 recomple 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests to move the surface location of the Big Eddy Unit DI 28 #254H to 700' FNL & 696' FWL of Section 15, T21S-R29E. The move will allow for optimized pad development within the Big Eddy Unit Drilling Island 28 pad. The updated survey plat is attached.

Accepted for record
NMOCD 10/17/201314. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Courtney Lockhart**Title **Regulatory Analyst**

Signature

Date

12/10/2013**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

/s/ STEPHEN J. CAFFEY

Title

AFM

Date

DEC 13 2013

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

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)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-8161 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 Rd., 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 and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30 015 41798		Pool Code 97650	Pool Name WC WILLIAM SINK (BONE SPRING)
Property Code 305860	Property Name BEU DI 28		Well Number 254H
OGRID No. 260737	Operator Name BOPCO, L.P.		Elevation 3439'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	21 S	29 E		700	NORTH	969	WEST	EDDY

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
K	13	21 S	29 E		1980	NORTH	330	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
440			

**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**

N: 540912.3
E: 608797.0
NAD 27

N: 540915.8
E: 614079.7
NAD 27

N: 540931.6
E: 619360.0
NAD 27

N: 540946.2
E: 624636.0
NAD 27

N: 535627.0
E: 608810.9
NAD 27

N: 535633.9
E: 614094.0
NAD 27

N: 535649.7
E: 619368.8
NAD 27

N: 535663.6
E: 624650.8
NAD 27

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.

Courtney Lockhart 12-10-13
Signature Date
Courtney Lockhart
Printed Name
cjlockhart@basspet.com
Email Address

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.

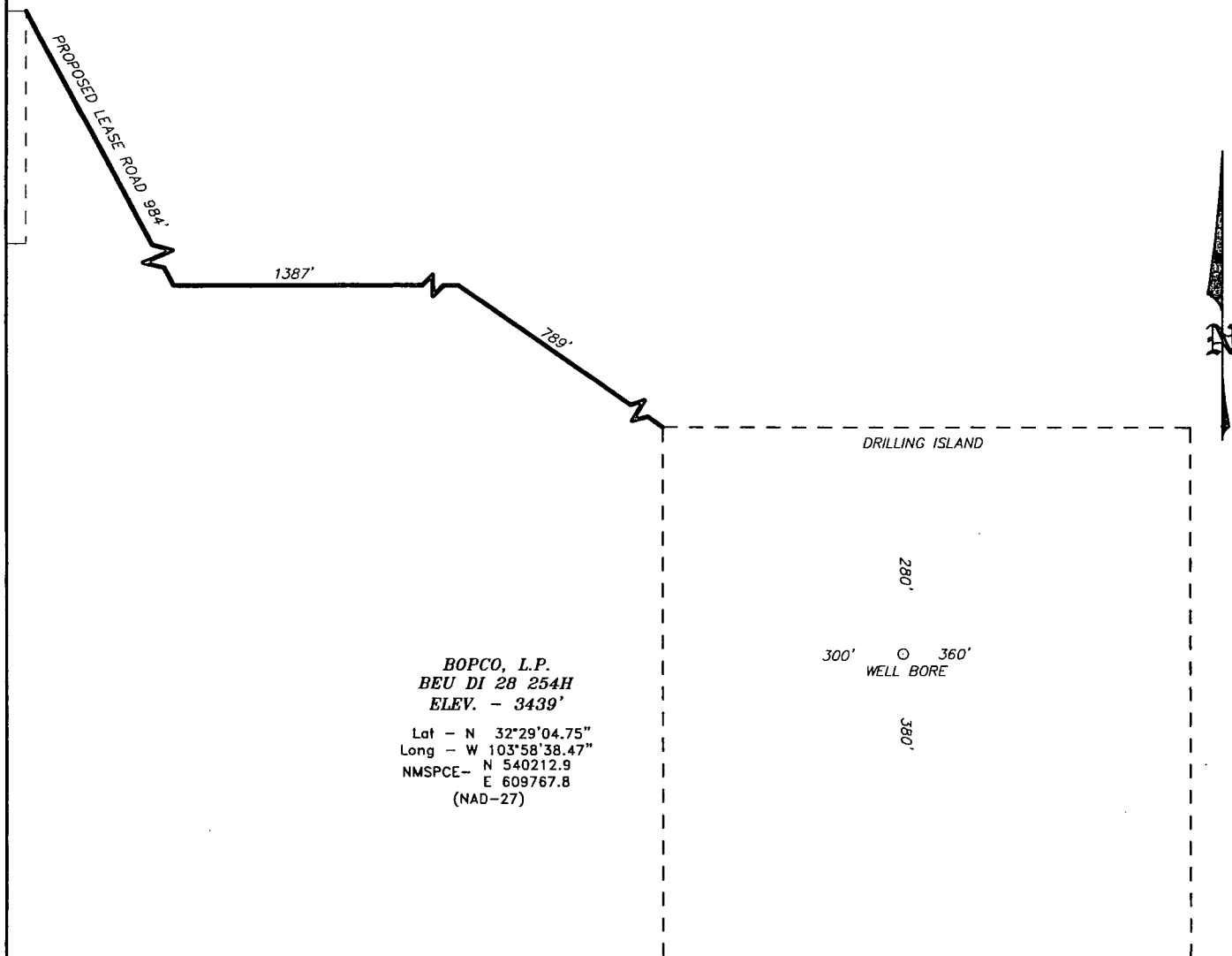
NOVEMBER 26, 2013
Date Surveyed
Signature of Professional Surveyor
7977
Certificate No. 7977
BRAIN SURVEYING

0' 1500' 3000' 4500' 6000'
SCALE: 1" = 3000'
WO Num.: 29819

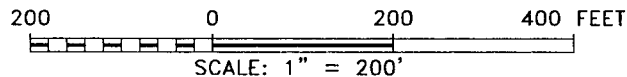
SURFACE LOCATION
Lat - N 32°29'04.75"
Long - W 103°58'38.47"
NMSPCE- N 540212.9
E 609767.8
(NAD-27)

PROPOSED BOTTOM HOLE LOCATION
Lat - N 32°28'51.89"
Long - W 103°55'48.74"
NMSPCE- N 538965.4
E 624310.7
(NAD-27)

SECTION 15, TOWNSHIP 21 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



CARLSBAD, NM IS ±15 MILES TO THE SOUTHWEST OF LOCATION.



Directions to Location:

FROM MILE MARKER 52, GO EAST 0.4 MILES TURNING SOUTH 1.0 MILES TO BOPCO MONITOR WARNING SIGN, CONTINUE SOUTH 2.9 MILES TURNING EAST 1.7 MILES TO LEASE ROAD, GO NORTH 0.2 MILES TURNING EAST AGAIN FOR 0.4 MILES TO THE BEU 220, DRILLING ISLAND IS LOCATED 1.0 MILES SOUTHEAST OF LOCATION FOLLOWING PROPOSED LEASE ROAD.



P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

BOPCO, L.P.

REF: BEU DI 28 254H / WELL PAD TOPO

THE BEU DI 28 254H LOCATED 700' FROM
THE NORTH LINE AND 969' FROM THE WEST LINE OF
SECTION 15, TOWNSHIP 21 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 29819

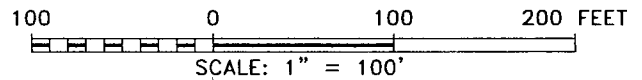
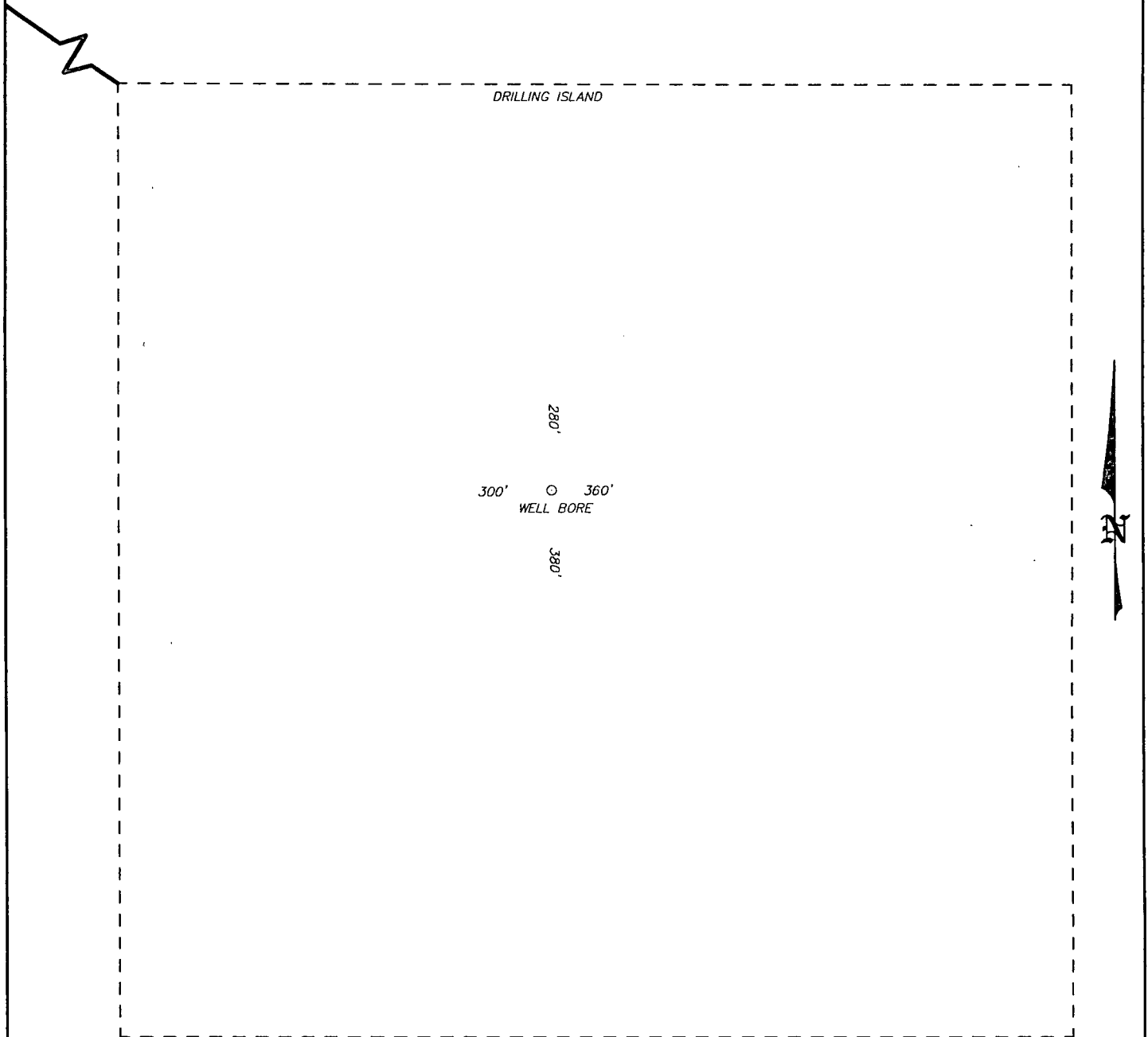
Drawn By: J. SMALL

Date: 11-27-2013

Survey Date: 11-26-2013

Sheet 1 of 1 Sheets

SECTION 15, TOWNSHIP 21 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



BOPCO, L.P. 

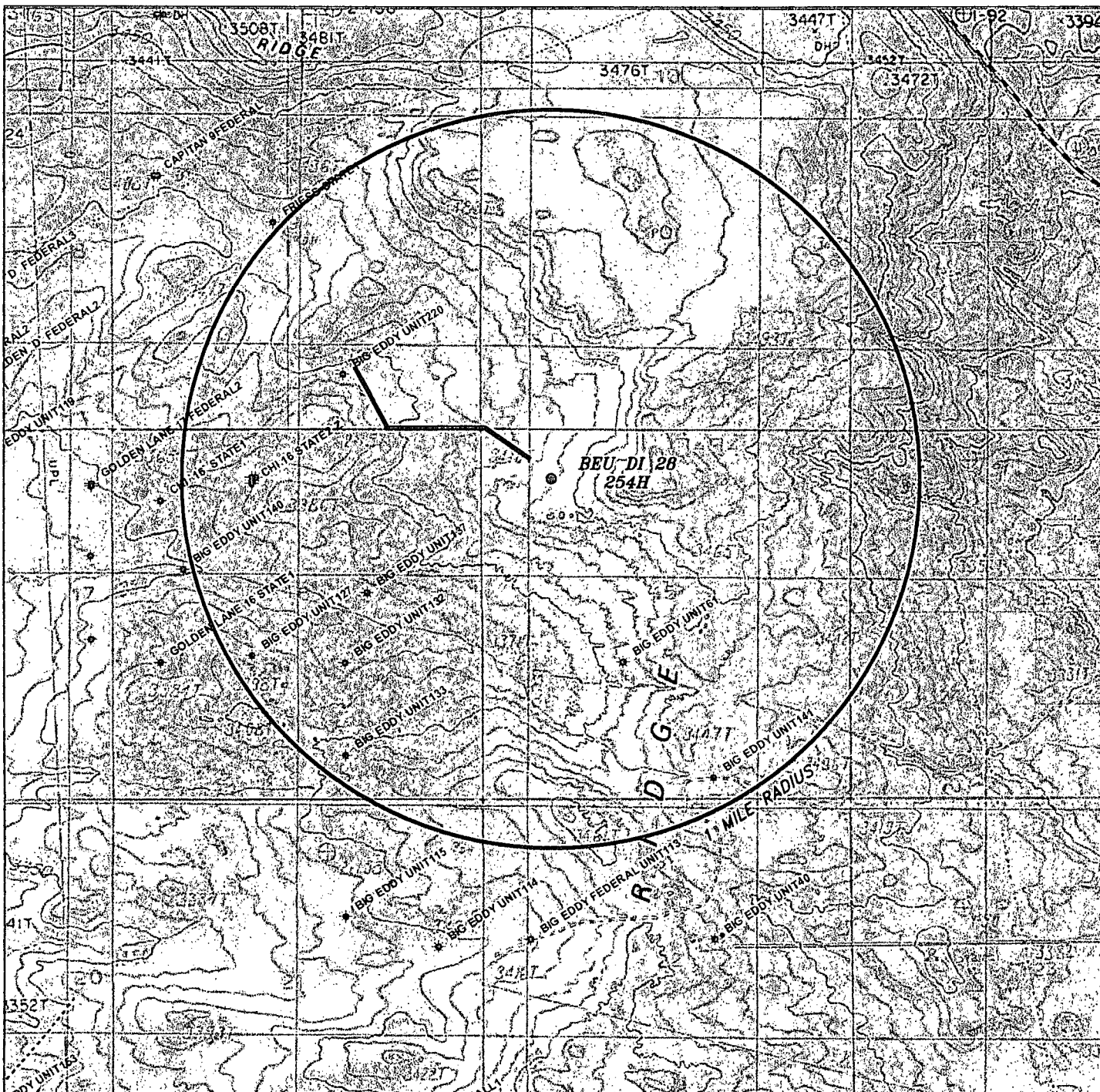
REF: BEU DI 28 254H / WELL PAD TOPO

THE BEU DI 28 254H LOCATED 700' FROM
THE NORTH LINE AND 969' FROM THE WEST LINE OF
SECTION 15, TOWNSHIP 21 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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1120 N. West County Rd. (575) 392-2206 -- Fax
Hobbs, New Mexico 88241 basinsurveys.com

W.O. Number: 29819	Drawn By: J. SMALL	Date: 11-27-2013	Survey Date: 11-26-2013	Sheet 1 of 1 Sheets
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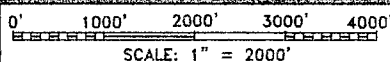
BEU DI 28 254H

Located 700' FNL and 969' FWL

Section 15, Township 21 South, Range 29 East,
N.M.P.M., Eddy County, New Mexico.



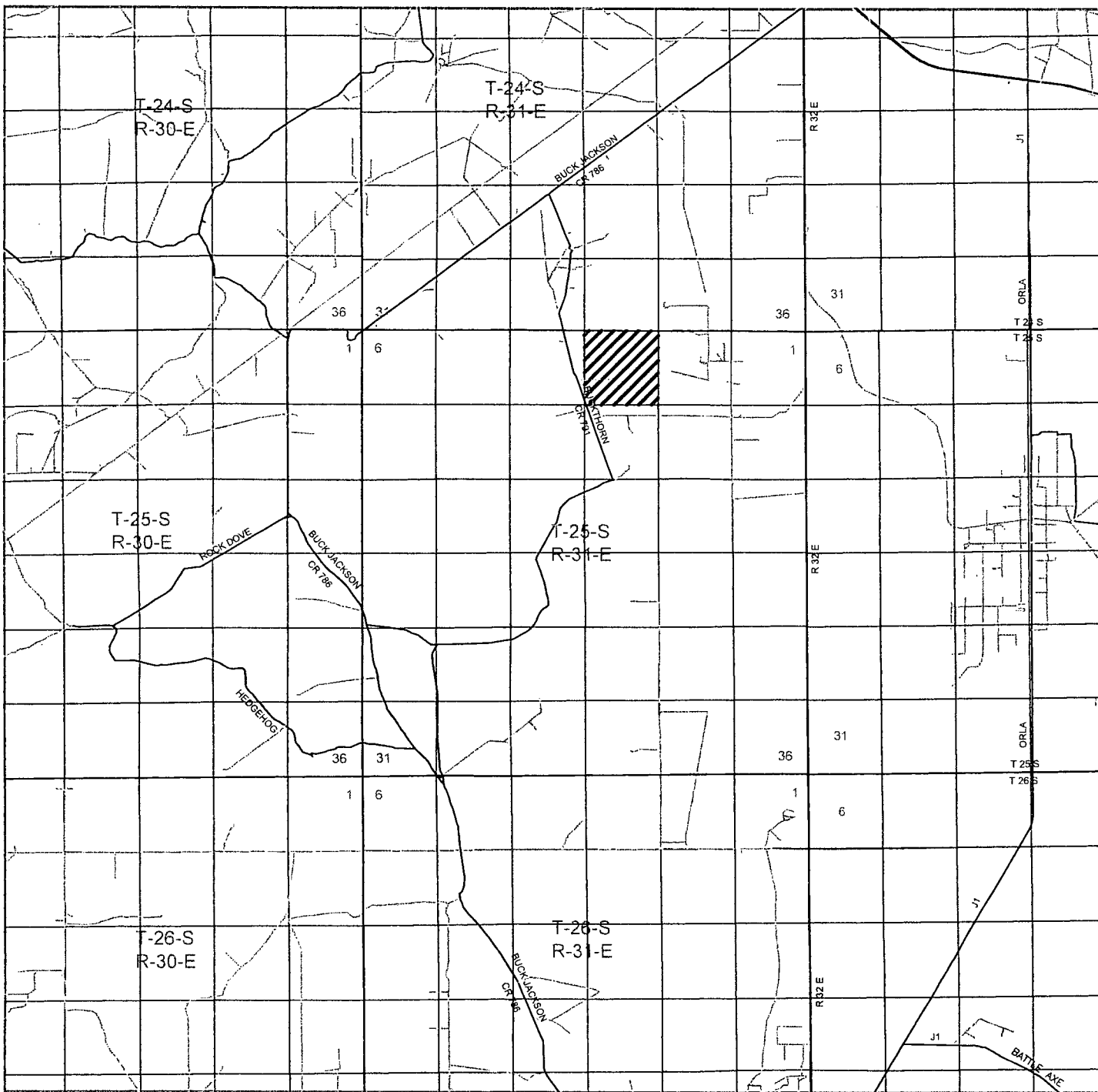
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com



W.O. Number: JMS 29819
Survey Date: 11-26-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

BOPCO, L.P.



BEU DI 28 254H

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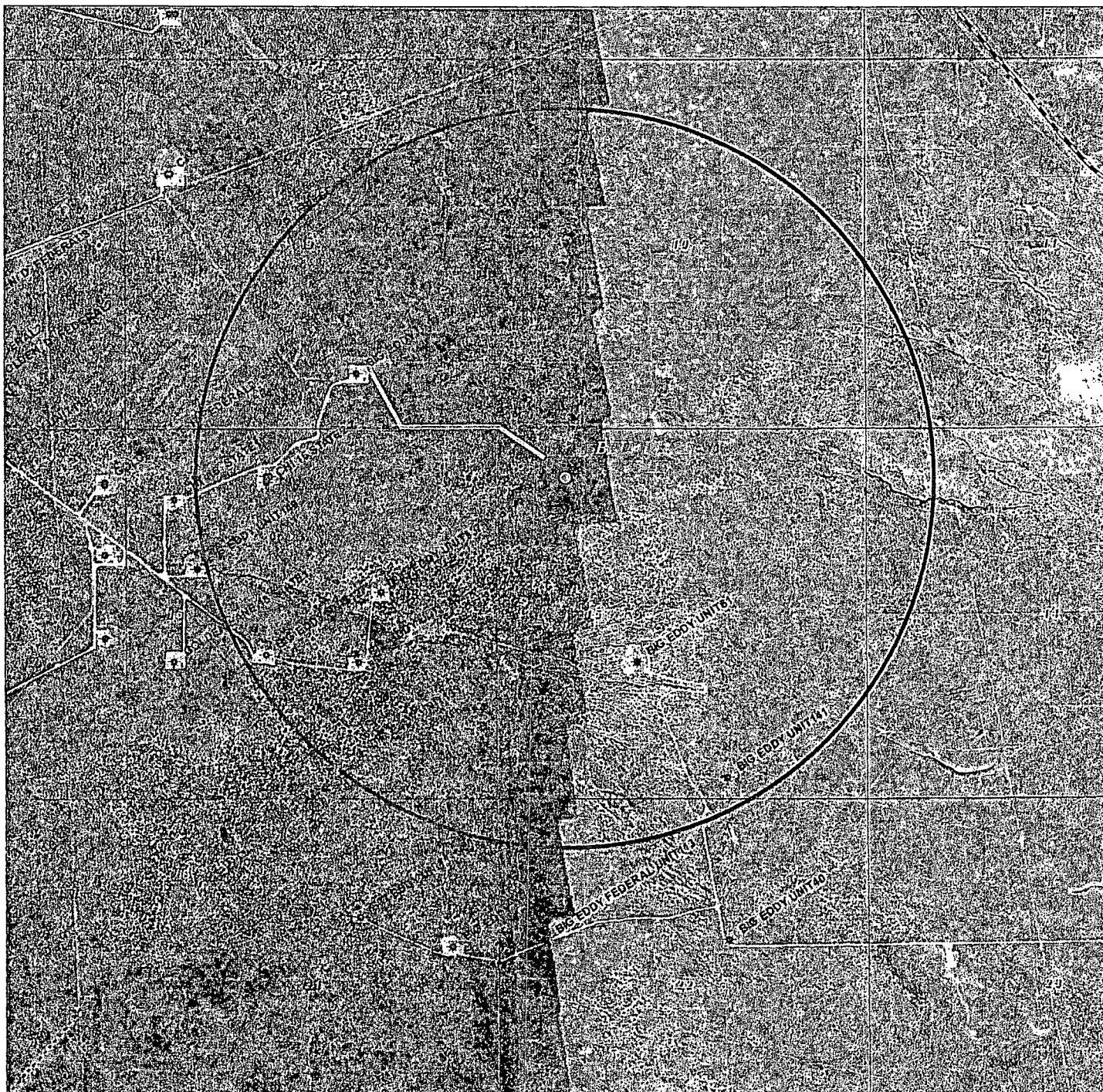
0 1 MI 2 MI 3 MI 4 MI
SCALE: 1" = 2 MILES

W.O. Number: JMS 29819

Survey Date: 11-26-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

BOPCO, L.P.



BEU DI 28 254H

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0' 1000' 2000' 3000' 4000'

SCALE: 1" = 2000'

W.O. Number: JMS 29819

Survey Date: 11-26-2013

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND



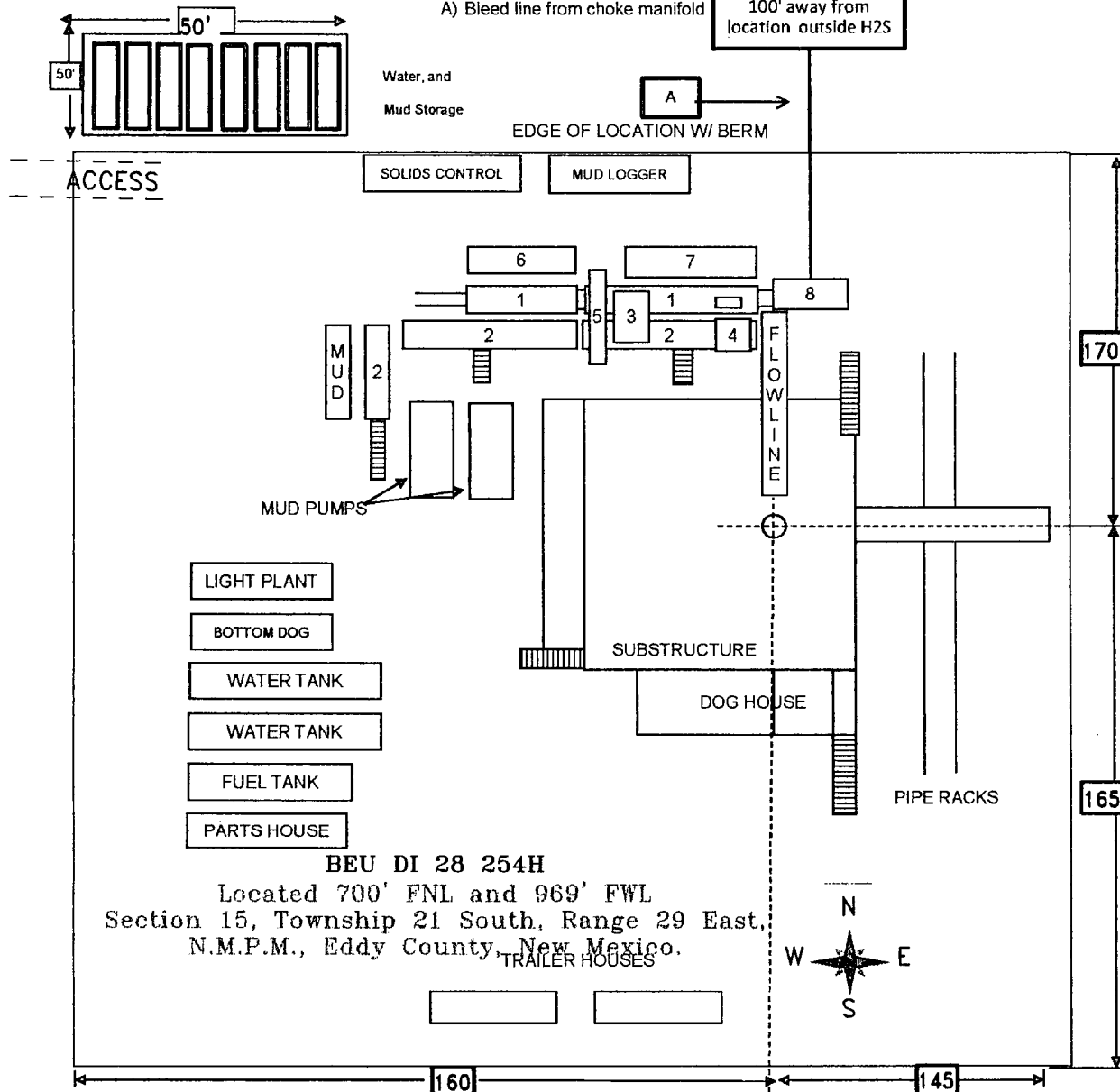
BOPCO, L.P.



Exhibit "D"

**RIG LAYOUT SCHEMATIC
INCLUSIVE OF CLOSED-LOOP DESIGN PLAN
Solids Control Equipment Legend**

- | | |
|-----------------------------------|--------------------|
| 1) Roll Off Bin | 5) Centrifuge |
| 2) Steel Tank | 6) Dewatering Unit |
| 3) Mud Cleaner | 7) Catch Tank |
| 4) Shaker | 8) Choke Manifold |
| A) Bleed line from choke manifold | |



BEU DI 28 254H
Located 700' FNL and 969' FWL
Section 15, Township 21 South, Range 29 East,
N.M.P.M., Eddy County, New Mexico.

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SCALE: NONE

W.O. Number: JMS 29819

Survey Date: 11-26-2013



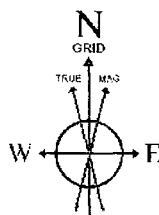
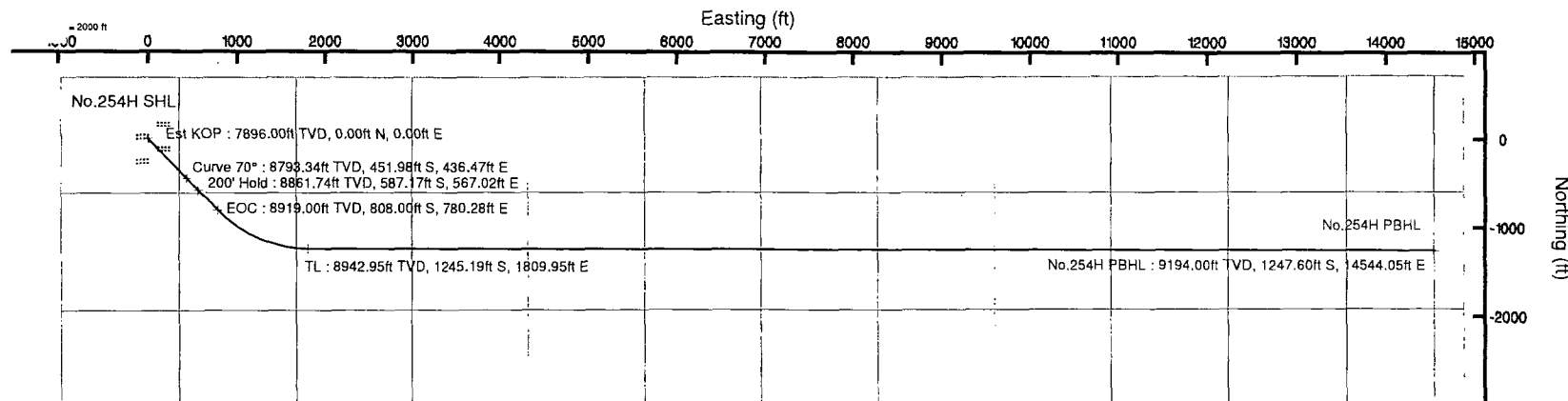
BOPCO, L.P.



BOPCO, L.P.

Location: Eddy County, NM
Field: Big Eddy
Facility: Big Eddy Unit DI-28

Slot: No.254H SHL
Well: No.254H
Wellbore: No.254H PWB



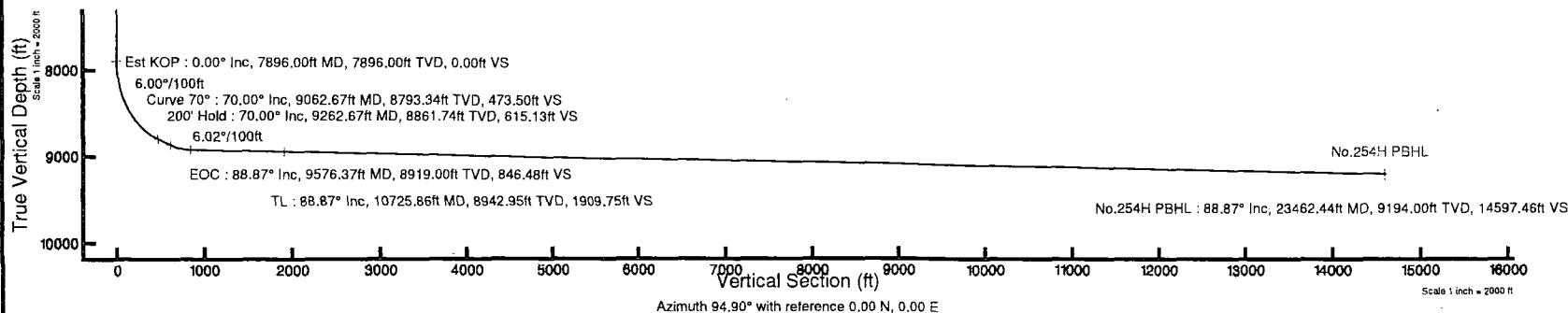
BGGM (1945.0 to 2015.0) Dip: 60.28° Field: 48461.8 nT
Magnetic North is 7.61 degrees East of True North (at 12/4/2013)
Grid North is 0.19 degrees East of True North
To correct azimuth from True to Grid subtract 0.19 degrees
To correct azimuth from Magnetic to Grid add 7.42 degrees

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	22.00	0.000	136.000	22.00	0.00	0.00	0.00	0.00
Est KOP	7896.00	0.000	136.000	7896.00	0.00	0.00	0.00	0.00
Curve 70°	9062.67	70.000	136.000	8793.34	-451.98	436.47	6.00	473.50
200' Hold	9262.67	70.000	136.000	8861.74	-587.17	567.02	0.00	615.13
EOC	9576.37	88.871	136.000	8919.00	-808.00	780.28	6.02	846.48
TL	10725.86	88.871	90.011	8942.95	-1245.19	1809.95	4.00	1909.75
No.254H PBHL	23462.44	88.871	90.011	9194.00	-1247.60	14544.05	0.00	14597.46

Plot reference wellpath is Rev-F.0

True vertical depths are referenced to Rig on No.254H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.254H SHL (KB)	North Reference: Grid north
Rig on No.254H SHL (KB) to Mean Sea Level: 3461 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.254H SHL): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentbry on 12/9/2013





Planned Wellpath Report

Rev-F.0
Page 1 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	0.999923	Report Generated	12/9/2013 at 3:11:23 PM
Convergence at slot	0.19° East	Database/Source file	MidlandDB/No.254H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.10	-0.10	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W
Facility Reference Pt			609767.90	540212.80	32°29'04.750"N	103°58'38.471"W
Field Reference Pt			610823.03	524402.80	32°26'28.262"N	103°58'26.774"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.254H SHL (KB) to Facility Vertical Datum	3461.00ft
Horizontal Reference Pt	Slot	Rig on No.254H SHL (KB) to Mean Sea Level	3461.00ft
Vertical Reference Pt	Rig on No.254H SHL (KB)	Rig on No.254H SHL (KB) to Mud Line at Slot (No.254H SHL)	3461.00ft
MD Reference Pt	Rig on No.254H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	94.90°



Planned Wellpath Report

Rev-F.0
Page 2 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	136.000	0.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
22.00	0.000	136.000	22.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Tie On
122.00†	0.000	136.000	122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
222.00†	0.000	136.000	222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
322.00†	0.000	136.000	322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
422.00†	0.000	136.000	422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
444.00†	0.000	136.000	444.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Top Rustler
515.00†	0.000	136.000	515.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	T/Salt
522.00†	0.000	136.000	522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
622.00†	0.000	136.000	622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
722.00†	0.000	136.000	722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
822.00†	0.000	136.000	822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
922.00†	0.000	136.000	922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1022.00†	0.000	136.000	1022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1122.00†	0.000	136.000	1122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1196.00†	0.000	136.000	1196.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	B/Salt
1222.00†	0.000	136.000	1222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1322.00†	0.000	136.000	1322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1422.00†	0.000	136.000	1422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1522.00†	0.000	136.000	1522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1622.00†	0.000	136.000	1622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1722.00†	0.000	136.000	1722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1769.00†	0.000	136.000	1769.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Top Reef
1822.00†	0.000	136.000	1822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
1922.00†	0.000	136.000	1922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2022.00†	0.000	136.000	2022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2122.00†	0.000	136.000	2122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2222.00†	0.000	136.000	2222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2322.00†	0.000	136.000	2322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2422.00†	0.000	136.000	2422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2522.00†	0.000	136.000	2522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2622.00†	0.000	136.000	2622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2722.00†	0.000	136.000	2722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2822.00†	0.000	136.000	2822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
2922.00†	0.000	136.000	2922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3022.00†	0.000	136.000	3022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3111.00†	0.000	136.000	3111.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Top Delaware Mtn. Grp.
3122.00†	0.000	136.000	3122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3222.00†	0.000	136.000	3222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3322.00†	0.000	136.000	3322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3422.00†	0.000	136.000	3422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3522.00†	0.000	136.000	3522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3622.00†	0.000	136.000	3622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3722.00†	0.000	136.000	3722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
3822.00†	0.000	136.000	3822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	



Planned Wellpath Report

Rev-F.0
Page 3 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3922.00†	0.000	136.000	3922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4022.00†	0.000	136.000	4022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4122.00†	0.000	136.000	4122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4222.00†	0.000	136.000	4222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4322.00†	0.000	136.000	4322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4422.00†	0.000	136.000	4422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4522.00†	0.000	136.000	4522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4622.00†	0.000	136.000	4622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4722.00†	0.000	136.000	4722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4822.00†	0.000	136.000	4822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
4922.00†	0.000	136.000	4922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5022.00†	0.000	136.000	5022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5122.00†	0.000	136.000	5122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5222.00†	0.000	136.000	5222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5322.00†	0.000	136.000	5322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5422.00†	0.000	136.000	5422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5522.00†	0.000	136.000	5522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5622.00†	0.000	136.000	5622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5722.00†	0.000	136.000	5722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5822.00†	0.000	136.000	5822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
5922.00†	0.000	136.000	5922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6022.00†	0.000	136.000	6022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6122.00†	0.000	136.000	6122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6222.00†	0.000	136.000	6222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6322.00†	0.000	136.000	6322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6422.00†	0.000	136.000	6422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6522.00†	0.000	136.000	6522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6622.00†	0.000	136.000	6622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6722.00†	0.000	136.000	6722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6822.00†	0.000	136.000	6822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
6836.00†	0.000	136.000	6836.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Top Bone Spring Lime
6922.00†	0.000	136.000	6922.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7022.00†	0.000	136.000	7022.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7122.00†	0.000	136.000	7122.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7222.00†	0.000	136.000	7222.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7322.00†	0.000	136.000	7322.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7422.00†	0.000	136.000	7422.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7522.00†	0.000	136.000	7522.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7622.00†	0.000	136.000	7622.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7722.00†	0.000	136.000	7722.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7822.00†	0.000	136.000	7822.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
7896.00	0.000	136.000	7896.00	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	Est KOP
7922.00†	1.560	136.000	7922.00	0.27	-0.25	0.25	609768.05	540212.65	32°29'04.748"N	103°58'38.469"W	6.00	
7994.17†	5.890	136.000	7994.00	3.80	-3.63	3.50	609771.30	540209.27	32°29'04.715"N	103°58'38.432"W	6.00	Top 1st Bone Spring Sand
8022.00†	7.560	136.000	8021.63	6.26	-5.97	5.77	609773.57	540206.93	32°29'04.692"N	103°58'38.405"W	6.00	



Planned Wellpath Report

Rev-F.0
Page 4 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8122.00†	13.560	136.000	8119.90	20.06	-19.15	18.49	609786.29	540193.75	32°29'04.561"N	103°58'38.257"W	6.00	
8222.00†	19.560	136.000	8215.70	41.53	-39.64	38.28	609806.08	540173.26	32°29'04.357"N	103°58'38.027"W	6.00	
8322.00†	25.560	136.000	8308.01	70.43	-67.23	64.92	609832.71	540145.68	32°29'04.083"N	103°58'37.717"W	6.00	
8422.00†	31.560	136.000	8395.80	106.44	-101.60	98.11	609865.91	540111.31	32°29'03.742"N	103°58'37.331"W	6.00	
8522.00†	37.560	136.000	8478.12	149.17	-142.39	137.50	609905.29	540070.52	32°29'03.337"N	103°58'36.873"W	6.00	
8622.00†	43.560	136.000	8554.06	198.15	-189.14	182.65	609950.44	540023.77	32°29'02.873"N	103°58'36.347"W	6.00	
8722.00†	49.560	136.000	8622.78	252.84	-241.35	233.07	610000.85	539971.57	32°29'02.355"N	103°58'35.761"W	6.00	
8779.93†	53.036	136.000	8659.00	286.91	-273.86	264.47	610032.25	539939.06	32°29'02.032"N	103°58'35.396"W	6.00	Top 2nd Bone Spring A' Sand
8822.00†	55.560	136.000	8683.55	312.65	-298.44	288.20	610055.97	539914.49	32°29'01.788"N	103°58'35.120"W	6.00	
8918.47†	61.348	136.000	8734.00	374.58	-357.55	345.29	610113.06	539855.37	32°29'01.201"N	103°58'34.456"W	6.00	Top 2nd Bone Spring A Sand
8922.00†	61.560	136.000	8735.69	376.92	-359.78	347.44	610115.21	539853.15	32°29'01.179"N	103°58'34.430"W	6.00	
9022.00†	67.560	136.000	8778.62	444.94	-424.71	410.14	610177.91	539788.22	32°29'00.535"N	103°58'33.701"W	6.00	
9062.67	70.000	136.000	8793.34	473.50	-451.98	436.47	610204.24	539760.96	32°29'00.264"N	103°58'33.395"W	6.00	Curve 70°
9122.00†	70.000	136.000	8813.63	515.52	-492.09	475.20	610242.96	539720.85	32°28'59.866"N	103°58'32.944"W	0.00	
9161.08†	70.000	136.000	8827.00	543.19	-518.50	500.71	610268.47	539694.44	32°28'59.604"N	103°58'32.647"W	0.00	Top 2nd Bone Spring Lime
9222.00†	70.000	136.000	8847.84	586.33	-559.68	540.48	610308.24	539653.26	32°28'59.195"N	103°58'32.185"W	0.00	
9262.67	70.000	136.000	8861.74	615.13	-587.17	567.02	610334.78	539625.78	32°28'58.922"N	103°58'31.876"W	0.00	200' Hold
9317.48†	73.297	136.000	8879.00	654.33	-624.59	603.16	610370.91	539588.36	32°28'58.551"N	103°58'31.456"W	6.02	Top 2nd Bone Spring B Sd.
9322.00†	73.569	136.000	8880.29	657.60	-627.71	606.17	610373.92	539585.24	32°28'58.520"N	103°58'31.421"W	6.02	
9422.00†	79.585	136.000	8903.49	730.87	-697.64	673.71	610441.45	539515.31	32°28'57.825"N	103°58'30.635"W	6.02	
9522.00†	85.600	136.000	8916.38	805.56	-768.94	742.56	610510.30	539444.02	32°28'57.118"N	103°58'29.834"W	6.02	
9576.37	88.871	136.000	8919.00	846.48	-808.00	780.28	610548.02	539404.96	32°28'56.730"N	103°58'29.395"W	6.02	EOC
9622.00†	88.856	134.175	8919.90	881.33	-840.31	812.49	610580.22	539372.66	32°28'56.409"N	103°58'29.020"W	4.00	
9722.00†	88.828	130.174	8921.93	960.88	-907.42	886.57	610654.30	539305.55	32°28'55.743"N	103°58'28.158"W	4.00	
9822.00†	88.806	126.173	8923.99	1044.45	-969.20	965.15	610732.87	539243.78	32°28'55.129"N	103°58'27.243"W	4.00	
9922.00†	88.789	122.172	8926.09	1131.65	-1025.34	1047.85	610815.57	539187.64	32°28'54.570"N	103°58'26.280"W	4.00	
10022.00†	88.778	118.171	8928.22	1222.04	-1075.58	1134.27	610901.98	539137.40	32°28'54.070"N	103°58'25.273"W	4.00	
10122.00†	88.774	114.170	8930.35	1315.19	-1119.67	1223.97	610991.68	539093.32	32°28'53.631"N	103°58'24.228"W	4.00	
10222.00†	88.775	110.169	8932.49	1410.64	-1157.39	1316.54	611084.24	539055.60	32°28'53.255"N	103°58'23.149"W	4.00	
10322.00†	88.782	106.169	8934.62	1507.93	-1188.56	1411.51	611179.20	539024.44	32°28'52.943"N	103°58'22.041"W	4.00	
10422.00†	88.795	102.168	8936.74	1606.59	-1213.02	1508.43	611276.11	538999.97	32°28'52.698"N	103°58'20.911"W	4.00	
10522.00†	88.814	98.167	8938.83	1706.12	-1230.67	1606.82	611374.49	538982.33	32°28'52.520"N	103°58'19.763"W	4.00	
10622.00†	88.839	94.166	8940.88	1806.06	-1241.40	1706.20	611473.87	538971.59	32°28'52.410"N	103°58'18.604"W	4.00	
10722.00†	88.869	90.165	8942.88	1905.90	-1245.18	1806.09	611573.75	538967.82	32°28'52.370"N	103°58'17.438"W	4.00	
10725.86	88.871	90.011	8942.95	1909.75	-1245.19	1809.95	611577.61	538967.81	32°28'52.369"N	103°58'17.393"W	4.00	TL
10822.00†	88.871	90.011	8944.85	2005.52	-1245.21	1906.07	611673.72	538967.79	32°28'52.366"N	103°58'16.271"W	0.00	
10922.00†	88.871	90.011	8946.82	2105.14	-1245.23	2006.05	611773.69	538967.77	32°28'52.362"N	103°58'15.104"W	0.00	
11022.00†	88.871	90.011	8948.79	2204.75	-1245.24	2106.03	611873.66	538967.75	32°28'52.359"N	103°58'13.936"W	0.00	
11122.00†	88.871	90.011	8950.76	2304.37	-1245.26	2206.01	611973.64	538967.74	32°28'52.355"N	103°58'12.769"W	0.00	
11222.00†	88.871	90.011	8952.73	2403.98	-1245.28	2305.99	612073.61	538967.72	32°28'52.352"N	103°58'11.602"W	0.00	
11322.00†	88.871	90.011	8954.70	2503.60	-1245.30	2405.97	612173.58	538967.70	32°28'52.348"N	103°58'10.435"W	0.00	
11422.00†	88.871	90.011	8956.67	2603.22	-1245.32	2505.95	612273.55	538967.68	32°28'52.345"N	103°58'09.268"W	0.00	
11522.00†	88.871	90.011	8958.65	2702.83	-1245.34	2605.93	612373.53	538967.66	32°28'52.341"N	103°58'08.101"W	0.00	
11622.00†	88.871	90.011	8960.62	2802.45	-1245.36	2705.91	612473.50	538967.64	32°28'52.338"N	103°58'06.934"W	0.00	
11722.00†	88.871	90.011	8962.59	2902.07	-1245.38	2805.89	612573.47	538967.62	32°28'52.334"N	103°58'05.767"W	0.00	



Planned Wellpath Report

Rev-F.0
Page 5 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11822.00†	88.871	90.011	8964.56	3001.68	-1245.40	2905.87	612673.45	538967.60	32°28'52.330"N	103°58'04.600"W	0.00	
11922.00†	88.871	90.011	8966.53	3101.30	-1245.41	3005.86	612773.42	538967.58	32°28'52.327"N	103°58'03.432"W	0.00	
12022.00†	88.871	90.011	8968.50	3200.92	-1245.43	3105.84	612873.39	538967.56	32°28'52.323"N	103°58'02.265"W	0.00	
12122.00†	88.871	90.011	8970.47	3300.53	-1245.45	3205.82	612973.36	538967.55	32°28'52.320"N	103°58'01.098"W	0.00	
12222.00†	88.871	90.011	8972.44	3400.15	-1245.47	3305.80	613073.34	538967.53	32°28'52.316"N	103°57'59.931"W	0.00	
12322.00†	88.871	90.011	8974.41	3499.76	-1245.49	3405.78	613173.31	538967.51	32°28'52.313"N	103°57'58.764"W	0.00	
12422.00†	88.871	90.011	8976.38	3599.38	-1245.51	3505.76	613273.28	538967.49	32°28'52.309"N	103°57'57.597"W	0.00	
12522.00†	88.871	90.011	8978.36	3699.00	-1245.53	3605.74	613373.25	538967.47	32°28'52.305"N	103°57'56.430"W	0.00	
12622.00†	88.871	90.011	8980.33	3798.61	-1245.55	3705.72	613473.23	538967.45	32°28'52.302"N	103°57'55.263"W	0.00	
12722.00†	88.871	90.011	8982.30	3898.23	-1245.57	3805.70	613573.20	538967.43	32°28'52.298"N	103°57'54.096"W	0.00	
12822.00†	88.871	90.011	8984.27	3997.85	-1245.59	3905.68	613673.17	538967.41	32°28'52.295"N	103°57'52.929"W	0.00	
12922.00†	88.871	90.011	8986.24	4097.46	-1245.60	4005.66	613773.14	538967.39	32°28'52.291"N	103°57'51.761"W	0.00	
13022.00†	88.871	90.011	8988.21	4197.08	-1245.62	4105.64	613873.12	538967.38	32°28'52.287"N	103°57'50.594"W	0.00	
13122.00†	88.871	90.011	8990.18	4296.70	-1245.64	4205.62	613973.09	538967.36	32°28'52.284"N	103°57'49.427"W	0.00	
13222.00†	88.871	90.011	8992.15	4396.31	-1245.66	4305.60	614073.06	538967.34	32°28'52.280"N	103°57'48.260"W	0.00	
13322.00†	88.871	90.011	8994.12	4495.93	-1245.68	4405.58	614173.03	538967.32	32°28'52.276"N	103°57'47.093"W	0.00	
13422.00†	88.871	90.011	8996.10	4595.54	-1245.70	4505.56	614273.01	538967.30	32°28'52.273"N	103°57'45.926"W	0.00	
13522.00†	88.871	90.011	8998.07	4695.16	-1245.72	4605.54	614372.98	538967.28	32°28'52.269"N	103°57'44.759"W	0.00	
13622.00†	88.871	90.011	9000.04	4794.78	-1245.74	4705.53	614472.95	538967.26	32°28'52.266"N	103°57'43.592"W	0.00	
13722.00†	88.871	90.011	9002.01	4894.39	-1245.76	4805.51	614572.93	538967.24	32°28'52.262"N	103°57'42.425"W	0.00	
13822.00†	88.871	90.011	9003.98	4994.01	-1245.77	4905.49	614672.90	538967.22	32°28'52.258"N	103°57'41.258"W	0.00	
13922.00†	88.871	90.011	9005.95	5093.63	-1245.79	5005.47	614772.87	538967.21	32°28'52.255"N	103°57'40.090"W	0.00	
14022.00†	88.871	90.011	9007.92	5193.24	-1245.81	5105.45	614872.84	538967.19	32°28'52.251"N	103°57'38.923"W	0.00	
14122.00†	88.871	90.011	9009.89	5292.86	-1245.83	5205.43	614972.82	538967.17	32°28'52.247"N	103°57'37.756"W	0.00	
14222.00†	88.871	90.011	9011.86	5392.48	-1245.85	5305.41	615072.79	538967.15	32°28'52.244"N	103°57'36.589"W	0.00	
14322.00†	88.871	90.011	9013.84	5492.09	-1245.87	5405.39	615172.76	538967.13	32°28'52.240"N	103°57'35.422"W	0.00	
14422.00†	88.871	90.011	9015.81	5591.71	-1245.89	5505.37	615272.73	538967.11	32°28'52.236"N	103°57'34.255"W	0.00	
14522.00†	88.871	90.011	9017.78	5691.32	-1245.91	5605.35	615372.71	538967.09	32°28'52.233"N	103°57'33.088"W	0.00	
14622.00†	88.871	90.011	9019.75	5790.94	-1245.93	5705.33	615472.68	538967.07	32°28'52.229"N	103°57'31.921"W	0.00	
14722.00†	88.871	90.011	9021.72	5890.56	-1245.94	5805.31	615572.65	538967.05	32°28'52.225"N	103°57'30.754"W	0.00	
14822.00†	88.871	90.011	9023.69	5990.17	-1245.96	5905.29	615672.62	538967.04	32°28'52.222"N	103°57'29.586"W	0.00	
14922.00†	88.871	90.011	9025.66	6089.79	-1245.98	6005.27	615772.60	538967.02	32°28'52.218"N	103°57'28.419"W	0.00	
15022.00†	88.871	90.011	9027.63	6189.41	-1246.00	6105.25	615872.57	538967.00	32°28'52.214"N	103°57'27.252"W	0.00	
15122.00†	88.871	90.011	9029.60	6289.02	-1246.02	6205.23	615972.54	538966.98	32°28'52.211"N	103°57'26.085"W	0.00	
15222.00†	88.871	90.011	9031.57	6388.64	-1246.04	6305.21	616072.52	538966.96	32°28'52.207"N	103°57'24.918"W	0.00	
15322.00†	88.871	90.011	9033.55	6488.25	-1246.06	6405.19	616172.49	538966.94	32°28'52.203"N	103°57'23.751"W	0.00	
15422.00†	88.871	90.011	9035.52	6587.87	-1246.08	6505.18	616272.46	538966.92	32°28'52.200"N	103°57'22.584"W	0.00	
15522.00†	88.871	90.011	9037.49	6687.49	-1246.10	6605.16	616372.43	538966.90	32°28'52.196"N	103°57'21.417"W	0.00	
15622.00†	88.871	90.011	9039.46	6787.10	-1246.11	6705.14	616472.41	538966.88	32°28'52.192"N	103°57'20.250"W	0.00	
15722.00†	88.871	90.011	9041.43	6886.72	-1246.13	6805.12	616572.38	538966.86	32°28'52.189"N	103°57'19.083"W	0.00	
15822.00†	88.871	90.011	9043.40	6986.34	-1246.15	6905.10	616672.35	538966.85	32°28'52.185"N	103°57'17.915"W	0.00	
15903.11†	88.871	90.011	9045.00	7067.13	-1246.17	6986.19	616753.44	538966.83	32°28'52.182"N	103°57'16.969"W	0.00	Top Carbonate 2
15922.00†	88.871	90.011	9045.37	7085.95	-1246.17	7005.08	616772.32	538966.83	32°28'52.181"N	103°57'16.748"W	0.00	
16022.00†	88.871	90.011	9047.34	7185.57	-1246.19	7105.06	616872.30	538966.81	32°28'52.178"N	103°57'15.581"W	0.00	
16122.00†	88.871	90.011	9049.31	7285.19	-1246.21	7205.04	616972.27	538966.79	32°28'52.174"N	103°57'14.414"W	0.00	



Planned Wellpath Report

Rev-F.0
Page 6 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16222.00†	88.871	90.011	9051.29	7384.80	-1246.23	7305.02	617072.24	538966.77	32°28'52.170"N	103°57'13.247"W	0.00	
16322.00†	88.871	90.011	9053.26	7484.42	-1246.25	7405.00	617172.21	538966.75	32°28'52.167"N	103°57'12.080"W	0.00	
16422.00†	88.871	90.011	9055.23	7584.03	-1246.27	7504.98	617272.19	538966.73	32°28'52.163"N	103°57'10.913"W	0.00	
16522.00†	88.871	90.011	9057.20	7683.65	-1246.29	7604.96	617372.16	538966.71	32°28'52.159"N	103°57'09.746"W	0.00	
16622.00†	88.871	90.011	9059.17	7783.27	-1246.30	7704.94	617472.13	538966.69	32°28'52.155"N	103°57'08.579"W	0.00	
16722.00†	88.871	90.011	9061.14	7882.88	-1246.32	7804.92	617572.11	538966.68	32°28'52.152"N	103°57'07.412"W	0.00	
16822.00†	88.871	90.011	9063.11	7982.50	-1246.34	7904.90	617672.08	538966.66	32°28'52.148"N	103°57'06.244"W	0.00	
16922.00†	88.871	90.011	9065.08	8082.12	-1246.36	8004.88	617772.05	538966.64	32°28'52.144"N	103°57'05.077"W	0.00	
17022.00†	88.871	90.011	9067.05	8181.73	-1246.38	8104.86	617872.02	538966.62	32°28'52.140"N	103°57'03.910"W	0.00	
17122.00†	88.871	90.011	9069.03	8281.35	-1246.40	8204.85	617972.00	538966.60	32°28'52.137"N	103°57'02.743"W	0.00	
17222.00†	88.871	90.011	9071.00	8380.97	-1246.42	8304.83	618071.97	538966.58	32°28'52.133"N	103°57'01.576"W	0.00	
17322.00†	88.871	90.011	9072.97	8480.58	-1246.44	8404.81	618171.94	538966.56	32°28'52.129"N	103°57'00.409"W	0.00	
17422.00†	88.871	90.011	9074.94	8580.20	-1246.46	8504.79	618271.91	538966.54	32°28'52.126"N	103°56'59.242"W	0.00	
17522.00†	88.871	90.011	9076.91	8679.81	-1246.47	8604.77	618371.89	538966.52	32°28'52.122"N	103°56'58.075"W	0.00	
17622.00†	88.871	90.011	9078.88	8779.43	-1246.49	8704.75	618471.86	538966.51	32°28'52.118"N	103°56'56.908"W	0.00	
17722.00†	88.871	90.011	9080.85	8879.05	-1246.51	8804.73	618571.83	538966.49	32°28'52.114"N	103°56'55.741"W	0.00	
17822.00†	88.871	90.011	9082.82	8978.66	-1246.53	8904.71	618671.80	538966.47	32°28'52.111"N	103°56'54.573"W	0.00	
17922.00†	88.871	90.011	9084.79	9078.28	-1246.55	9004.69	618771.78	538966.45	32°28'52.107"N	103°56'53.406"W	0.00	
18022.00†	88.871	90.011	9086.76	9177.90	-1246.57	9104.67	618871.75	538966.43	32°28'52.103"N	103°56'52.239"W	0.00	
18122.00†	88.871	90.011	9088.74	9277.51	-1246.59	9204.65	618971.72	538966.41	32°28'52.099"N	103°56'51.072"W	0.00	
18222.00†	88.871	90.011	9090.71	9377.13	-1246.61	9304.63	619071.70	538966.39	32°28'52.095"N	103°56'49.905"W	0.00	
18322.00†	88.871	90.011	9092.68	9476.75	-1246.63	9404.61	619171.67	538966.37	32°28'52.092"N	103°56'48.738"W	0.00	
18422.00†	88.871	90.011	9094.65	9576.36	-1246.64	9504.59	619271.64	538966.35	32°28'52.088"N	103°56'47.571"W	0.00	
18522.00†	88.871	90.011	9096.62	9675.98	-1246.66	9604.57	619371.61	538966.33	32°28'52.084"N	103°56'46.404"W	0.00	
18622.00†	88.871	90.011	9098.59	9775.59	-1246.68	9704.55	619471.59	538966.32	32°28'52.080"N	103°56'45.237"W	0.00	
18722.00†	88.871	90.011	9100.56	9875.21	-1246.70	9804.53	619571.56	538966.30	32°28'52.077"N	103°56'44.070"W	0.00	
18822.00†	88.871	90.011	9102.53	9974.83	-1246.72	9904.51	619671.53	538966.28	32°28'52.073"N	103°56'42.902"W	0.00	
18922.00†	88.871	90.011	9104.50	10074.44	-1246.74	10004.50	619771.50	538966.26	32°28'52.069"N	103°56'41.735"W	0.00	
19022.00†	88.871	90.011	9106.48	10174.06	-1246.76	10104.48	619871.48	538966.24	32°28'52.065"N	103°56'40.568"W	0.00	
19122.00†	88.871	90.011	9108.45	10273.68	-1246.78	10204.46	619971.45	538966.22	32°28'52.061"N	103°56'39.401"W	0.00	
19222.00†	88.871	90.011	9110.42	10373.29	-1246.80	10304.44	620071.42	538966.20	32°28'52.058"N	103°56'38.234"W	0.00	
19322.00†	88.871	90.011	9112.39	10472.91	-1246.82	10404.42	620171.39	538966.18	32°28'52.054"N	103°56'37.067"W	0.00	
19422.00†	88.871	90.011	9114.36	10572.53	-1246.83	10504.40	620271.37	538966.16	32°28'52.050"N	103°56'35.900"W	0.00	
19522.00†	88.871	90.011	9116.33	10672.14	-1246.85	10604.38	620371.34	538966.15	32°28'52.046"N	103°56'34.733"W	0.00	
19622.00†	88.871	90.011	9118.30	10771.76	-1246.87	10704.36	620471.31	538966.13	32°28'52.042"N	103°56'33.566"W	0.00	
19722.00†	88.871	90.011	9120.27	10871.37	-1246.89	10804.34	620571.29	538966.11	32°28'52.039"N	103°56'32.399"W	0.00	
19822.00†	88.871	90.011	9122.24	10970.99	-1246.91	10904.32	620671.26	538966.09	32°28'52.035"N	103°56'31.231"W	0.00	
19922.00†	88.871	90.011	9124.22	11070.61	-1246.93	11004.30	620771.23	538966.07	32°28'52.031"N	103°56'30.064"W	0.00	
20022.00†	88.871	90.011	9126.19	11170.22	-1246.95	11104.28	620871.20	538966.05	32°28'52.027"N	103°56'28.897"W	0.00	
20122.00†	88.871	90.011	9128.16	11269.84	-1246.97	11204.26	620971.18	538966.03	32°28'52.023"N	103°56'27.730"W	0.00	
20222.00†	88.871	90.011	9130.13	11369.46	-1246.99	11304.24	621071.15	538966.01	32°28'52.020"N	103°56'26.563"W	0.00	
20322.00†	88.871	90.011	9132.10	11469.07	-1247.00	11404.22	621171.12	538965.99	32°28'52.016"N	103°56'25.396"W	0.00	
20422.00†	88.871	90.011	9134.07	11568.69	-1247.02	11504.20	621271.09	538965.98	32°28'52.012"N	103°56'24.229"W	0.00	
20522.00†	88.871	90.011	9136.04	11668.31	-1247.04	11604.18	621371.07	538965.96	32°28'52.008"N	103°56'23.062"W	0.00	
20622.00†	88.871	90.011	9138.01	11767.92	-1247.06	11704.17	621471.04	538965.94	32°28'52.004"N	103°56'21.895"W	0.00	



Planned Wellpath Report

Rev-F.0
Page 7 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

WELLPATH DATA (254 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
20722.00†	88.871	90.011	9139.98	11867.54	-1247.08	11804.15	621571.01	538965.92	32°28'52.000"N	103°56'20.728"W	0.00	
20822.00†	88.871	90.011	9141.96	11967.15	-1247.10	11904.13	621670.98	538965.90	32°28'51.996"N	103°56'19.560"W	0.00	
20922.00†	88.871	90.011	9143.93	12066.77	-1247.12	12004.11	621770.96	538965.88	32°28'51.993"N	103°56'18.393"W	0.00	
21022.00†	88.871	90.011	9145.90	12166.39	-1247.14	12104.09	621870.93	538965.86	32°28'51.989"N	103°56'17.226"W	0.00	
21122.00†	88.871	90.011	9147.87	12266.00	-1247.16	12204.07	621970.90	538965.84	32°28'51.985"N	103°56'16.059"W	0.00	
21222.00†	88.871	90.011	9149.84	12365.62	-1247.17	12304.05	622070.88	538965.82	32°28'51.981"N	103°56'14.892"W	0.00	
21322.00†	88.871	90.011	9151.81	12465.24	-1247.19	12404.03	622170.85	538965.81	32°28'51.977"N	103°56'13.725"W	0.00	
21422.00†	88.871	90.011	9153.78	12564.85	-1247.21	12504.01	622270.82	538965.79	32°28'51.973"N	103°56'12.558"W	0.00	
21522.00†	88.871	90.011	9155.75	12664.47	-1247.23	12603.99	622370.79	538965.77	32°28'51.969"N	103°56'11.391"W	0.00	
21622.00†	88.871	90.011	9157.72	12764.09	-1247.25	12703.97	622470.77	538965.75	32°28'51.966"N	103°56'10.224"W	0.00	
21722.00†	88.871	90.011	9159.69	12863.70	-1247.27	12803.95	622570.74	538965.73	32°28'51.962"N	103°56'09.057"W	0.00	
21822.00†	88.871	90.011	9161.67	12963.32	-1247.29	12903.93	622670.71	538965.71	32°28'51.958"N	103°56'07.889"W	0.00	
21922.00†	88.871	90.011	9163.64	13062.93	-1247.31	13003.91	622770.68	538965.69	32°28'51.954"N	103°56'06.722"W	0.00	
22022.00†	88.871	90.011	9165.61	13162.55	-1247.33	13103.89	622870.66	538965.67	32°28'51.950"N	103°56'05.555"W	0.00	
22122.00†	88.871	90.011	9167.58	13262.17	-1247.35	13203.87	622970.63	538965.65	32°28'51.946"N	103°56'04.388"W	0.00	
22222.00†	88.871	90.011	9169.55	13361.78	-1247.36	13303.85	623070.60	538965.63	32°28'51.942"N	103°56'03.221"W	0.00	
22322.00†	88.871	90.011	9171.52	13461.40	-1247.38	13403.83	623170.57	538965.62	32°28'51.938"N	103°56'02.054"W	0.00	
22422.00†	88.871	90.011	9173.49	13561.02	-1247.40	13503.82	623270.55	538965.60	32°28'51.935"N	103°56'00.887"W	0.00	
22522.00†	88.871	90.011	9175.46	13660.63	-1247.42	13603.80	623370.52	538965.58	32°28'51.931"N	103°55'59.720"W	0.00	
22622.00†	88.871	90.011	9177.43	13760.25	-1247.44	13703.78	623470.49	538965.56	32°28'51.927"N	103°55'58.553"W	0.00	
22722.00†	88.871	90.011	9179.41	13859.87	-1247.46	13803.76	623570.47	538965.54	32°28'51.923"N	103°55'57.386"W	0.00	
22822.00†	88.871	90.011	9181.38	13959.48	-1247.48	13903.74	623670.44	538965.52	32°28'51.919"N	103°55'56.218"W	0.00	
22922.00†	88.871	90.011	9183.35	14059.10	-1247.50	14003.72	623770.41	538965.50	32°28'51.915"N	103°55'55.051"W	0.00	
23022.00†	88.871	90.011	9185.32	14158.71	-1247.52	14103.70	623870.38	538965.48	32°28'51.911"N	103°55'53.884"W	0.00	
23122.00†	88.871	90.011	9187.29	14258.33	-1247.53	14203.68	623970.36	538965.46	32°28'51.907"N	103°55'52.717"W	0.00	
23222.00†	88.871	90.011	9189.26	14357.95	-1247.55	14303.66	624070.33	538965.45	32°28'51.903"N	103°55'51.550"W	0.00	
23322.00†	88.871	90.011	9191.23	14457.56	-1247.57	14403.64	624170.30	538965.43	32°28'51.899"N	103°55'50.383"W	0.00	
23422.00†	88.871	90.011	9193.20	14557.18	-1247.59	14503.62	624270.27	538965.41	32°28'51.895"N	103°55'49.216"W	0.00	
23462.44	88.871	90.011	9194.00†	14597.46	-1247.60	14544.05	624310.70	538965.40	32°28'51.894"N	103°55'48.744"W	0.00	No.254H PBHL

HOLE & CASING SECTIONS - Ref Wellbore: No.254H PWB Ref Wellpath: Rev-F.0

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing	22.00	13765.00	13743.00	22.00	9002.86	0.00	0.00	-1245.76	4848.50



Planned Wellpath Report

Rev-F.0
Page 8 of 8



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.254H SHL
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H PWB
Facility	Big Eddy Unit DI-28		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) No.254H PBHL	23462.44	9194.00	-1247.60	14544.05	624310.70	538965.40	32°28'51.894"N	103°55'48.744"W	point

SURVEY PROGRAM - Ref Wellbore: No.254H PWB Ref Wellpath: Rev-F.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	23462.44	NaviTrak (Standard)		No.254H PWB