State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary David R. Catanach Division Director Oil Conservation Division



Brett F. Woods, Ph.D. Deputy Cabinet Secretary

	w Mexico Oil Conservation Division approval and conditions listed
	are made in accordance with OCD Rule 19.15.7.11 and are in addition the actions approved by BLM on the following 3160-3 APD form.
Operato Well in	or Signature Date: 9/28/15 formation;
	or WPX, Well Name and Number Chaco 2307-069 # 161H
API#3	0-039-3/344 , Section 6, Township 23 NS, Range 7 EW
Condit	ions of Approval:
	e below checked and handwritten conditions)
11	Notify Aztec OCD 24hrs prior to casing & cement.
R	Hold C-104 for directional survey & "As Drilled" Plat
	Hold C-104 for NSL, NSP, DHC
	Spacing rule violation. Operator must follow up with change of status notification on other we to be shut in or abandoned
	Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
	 A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
	A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
	 A below grade tank requires a registration be filed prior to the construction or use of th below grade tank, pursuant to 19.15.17.8.C
	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
1	Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
	Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

NMOCD Approved by Signature

OIL CONS. DIV DIST. 3

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DEC 2 2 2015

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.

	NMNM 0	23050	S	50
6.	If Indian,	Allottee or	Tribe	Name

APPLICATION FOR P	PERMIT TO	DRILL O	R REENTER
-------------------	-----------	---------	-----------

APPLICATION FOR PERMIT TO	8. If Indian, Allottee of 1	2015		
la. Type of Work: DRILL REEN	TER		7. If Unit or CA Agreemen	o.
1b. Type of Well: Oil Well Gas Well Other	 Lease Name and Well No Chaco 2307-06G #1611 	o. Managonico		
2. Name of Operator			9. API Well No.	100
WPX Energy Production, LLC			30-03	1-3134
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Explo	oratory
P.O. Box 640 Aztec, NM 87410	(505) 333-1849		Basin Mancos / Lybrook C	Gallup
 Location of Well (Report location clearly and in accordance with At surface 1,646' FNL & 2,317' FEL, sec 6, T23N, R7W At proposed prod. zone 478' FNL & 330' FWL, sec 1, T23N, I 			11. Sec., T., R., M., or Blk. SHL: Sec 6, T23N, R7V BHL: Sec 1, T23N, R8V	v
 Distance in miles and direction from nearest town or post offices approximately 4.5 miles northwest of Lybrook, New Mexico 			12. County or Parish Rio Arriba County	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1.646	16. No. of Acres in lease		g Unit dedicated to this well s N/2NW/4 Section 6, T23N N/2 N/2 Section 1, T23N.	I, R7W
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 40'	19. Proposed Depth 13,264' MD / 5,412' TVD	20. BLM/F UTB00	BIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will	start*	23. Estimated duration	Marie William
6,970° GR	October 30, 2015		1 month	
	24. Attachments			
The following, completed in accordance with the requirements of Ons	shore Oil and Gas Order No.1, shall be a	ttached to this	form:	

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- 6. Such other site specific information and/or plans as may be required by the

	dutiforned officer.	
25. Signature	Name (Printed/Typed)	Date 09/28/2015
1400	Andrea Felix	09/28/2013
Title		
Regulatory Specialist Sr. /		
Approved by (Signature)	Name (Printed/Typed)	Date
# Mankerla		12/16/15
Title Title	Office	1
AFM	FFE	
Application approval does not warrant or certify that the applicant holds lega	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

operations thereon.

Conditions of approval, if any, are attached.

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 reverse)

WPX Energy Production, LLC, proposes to develop the Basin Mancos / Lybrook Gallup formation at the above described location in accordance with the attached drilling and surface use plans.

The well pad surface is under jurisdiction of the BLM and is on lease and will be twinned with the Chaco 2307-06G #274H. This location is on FEE surface and a Surface Use Agreement has been secured.

This location has been archaeologically surveyed by La Plata Archeological Consultants. Copies of their report have been submitted directly to the BLM.

A new 3,863.7 foot access road will be built to access location. ROW easements have been secured.

DRILLING OPERATION BIRCHING WILL Be built. ROW easements have been secured. ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NMOCD PV

District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First Street, 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 Drive, 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 Drive Santa Fe, NM 87505

Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

AMENDED REPORT

OIL CONS. DIV DIST. 3

DEC 2 2 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT

							AND DESCRIPTION OF THE PERSON		
'A	PI Numbe	r		*Pool Cod	ie		Pool Nam	е	
30-03	9-31	344	97	232 / 4	12289	BASIN MANCOS / LYBROOK GALLUP			LUP
*Property	*Property Code Property Name								Well Number
31576	12				161H				
'OGRID I	No.	THE PERSON	*Operator Name				THE ROLL	*Elevation	
12078	2			WPX	ENERGY PR	ODUCTION, LLC			6970
¹⁰ Surface Location									
UL or lot ho.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County RIO
BG	6	23N	7W		1646	NORTH	2317	EAST	ARRIBA

₽G.	6	23N	7W		1646	NORTH	2317	EAST	ARRIBA
		CHILD	11 Botto	m Hole	Location I	f Different	From Surfac	е	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	1	23N	8W	4	478	NORTH	330	WEST	SAN JUAN
Acres N/ 241.01 N/		- Sec - Sec			Dont or Infill	³⁴ Consolidation Code	S Order No.		
(00.	11 73	in M	20105	11-01	nu	THE REAL PROPERTY.		A Company of the last	The state of the s

Lybrack Gizllup & 91 LOLO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE a con BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

END-OF-LATERAL 478 FNL 330 FWL SECTION 1, T23N, R8W LAT: 36.262205 N LONG: 107.640520 W DATUM: NAD1927

LAT: 36.262219 N LONG: 107.641130 W DATUM: NAD1983

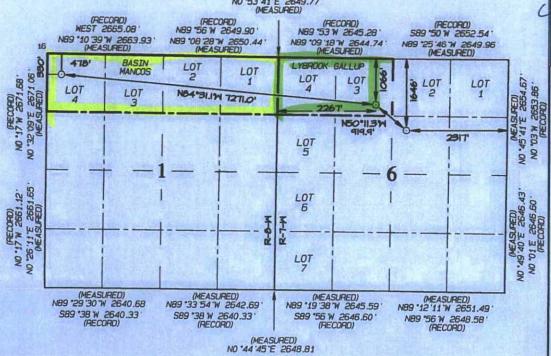
POINT-OF-ENTRY 1066' FNL 2267' FWL SECTION 6, T23N, R7W LAT: 36.260581'N LONG: 107.515944'W DATUM: NAD1927

LAT: 36.260594 N LONG: 107.616553 W DATUM: NAD1983

SURFACE LOCATION 1646' FNL 2317' FEL SECTION 6, T23N, R7W LAT: 36.258991'N LONG: 107.613520'W DATUM: NAD1927

LAT: 36.259004 N LONG: 107.614129 W DATUM: NAD1983

(RECORD) NO *06 E 2649.24 NO *53 '41"E 2649.77" (MEASURED)



NO *03 W 2647.92 (RECORD)

"UPERATUR 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
heretarpys entered by the division. 209/28/2015 Date Andrea Felix Printed Nam andrea.felix@wpxenergy.com E-mail 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 und my supervision, and that the same is true and correct to the best of my belief Date Revised: SEPTEMBER 28, 2015 Date of Survey: JUNE 12, 2015 Signature and Seal of Professional Surveyor EDWARDS JASON C. MEXICO JEN PEGISTER OF SPIETOR 15269 ADFESSION ASON DWARDS Certificate Number 15269

17 OPERATOR CERTIFICATION



WPX ENERGY

Operations Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE: 9/24/15

FIELD: BASIN MANCOS / LYBROOK GALLUP

WELL NAME: Chaco 2307-06G #161H

SURFACE: FEE

SH Location: SWNE Section 6 23N-07W

ELEVATION: 6970'

Rio Arriba CO., NM

BH Location: NWNW Section 1 23N-08W

MINERALS:

INDIAN ALLOTTED / FEDERAL

MEASURED DEPTH:

I. GEOLOGY:

Surface formation - Nacimiento

San Juan CO., NM

A. FORMATION TOPS: (KB)

Name	MD	TVD	Name	MD	TVD
					The Pr
Ojo Alamo	1332	1328	Point Lookout	4291	4268
Kirtland	1395	1391	Mancos	4478	4454
Picture Cliffs	1941	1933	Gallup	4857	4830
Lewis	2081	2072	Kickoff Point	4928	4901
Chacra	2280	2270	Top Target	5590	5567
Cliff House	3374	3357	Landing Point	5993	5557
Menefee	3498	3840	Base Target	5993	5557
			TD	13263.73	5412

- B. MUD LOGGING PROGRAM: Mudlogger on location from surface csg to TD.
- C. LOGGING PROGRAM: LWD GR from surface casing to TD.
- D. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

- A. <u>MUD PROGRAM:</u> LSND mud (WBM) will be used to drill the 12-1/4" Surface hole, the 8 ¾" Directional Vertical hole, and the curve portion of the wellbore. A LSND (WBM) or (OBM) will be used to drill the lateral portion of well. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.
- B. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to 250 psi (Low) for 5 minutes and 1500 psi (High) for 10 minutes. Pressure test surface casing to 600 psi for 30 minutes and intermediate casing to 1500 psi for 30 minutes. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	12.25"	320'	9.625"	36#	J-55
Intermediate	8.75"	5,595'	7"	23#	K-55
Prod. Liner	6.125"	5,445' - 13,326'	4-1/2"	11.6#	N-80
Tie-Back String	N/A	Surf 5,445'	4-1/2"	11.6#	N-80

B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
- INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) centralizer at 2,700 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft.
- 3. PRODUCTION LINER: Run 4-1/2" Liner with cement nose guide Float Shoe + 2jts. of 4-1/2" casing + Landing Collar + 4-1/2" pup joint + 1 RSI (Sliding Sleeve) positioned inside the 330ft Hard line. Centralizer program will be determined by Wellbore condition and when Lateral is evaluated by Geoscientists and Reservoir Engineers. Set seals on Liner Hanger. Test TOL to 1500 psi for 15 minutes.
- 4. TIE-BACK CASING: None

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

- SURFACE: 5 bbl Fresh Water Spacer, 100 sx (160 cu.ft.) of 14.5 ppg Type I-II (Neat G) + 20% Fly Ash cement w/ 7.41 gal/sack mix water ratio @ 1.61 cu ft/sx yield. Calculated @ volume + 50% excess. WOC 12 hours. Test csg to 600psi. Total Volume: (160 cu-ft/100 sx/ Bbls).TOC at Surface.
- 2. INTERMEDIATE: 20 bbl (112 cu-ft) Mud Flush III spacer + Lead: +/- 700 sx Foamed 50/50 Poz Cement. 13.0 ppg + 0.1% Halad 766 + 0.2% Versaset + 1.5% Chem-Foamer 760 (Yield: 1.43 cu-ft/ sk. / Vol: 1001 cu-ft / 178.3 Bbls.) + TAIL: 100 sx 13.5 #/gal. + 0.2% Versaset + 0.15% HALAD-766 (Yield: 1.28 cu-ft / sk / Vol: 128 cu-ft / 22.8 Bbls.). + Fresh Water Displacement (1,362 cu-ft / +/- 242 Bbls) + 100 sx Top-Out Cement Premium: Yield: (1.17 cu-ft/ sk / (Vol: 117 cu-ft / 20.8 Bbls). WOC 12 hrs. Test Casing to 1500 PSI for 30 minutes. Total Cement Volume: (900 sx / 1246 cu-ft / 222 bbls). Mix with +/- 84,000 SCF Nitrogen. TOC at surface.
- 3. PRODUCTION LINER: Spacer #1:10 bbl (56.cu-ft) Water Spacer. Spacer #2: 40 bbl 9.5 ppg (224.6 cu-ft) Tuned Spacer III. Spacer #3: 10 bbl Water Spacer. Lead Cement: Extencem ™ System. Yield 1.29 cu ft/sk, 13.5 ppg, (596 sx / 810 cu ft. / 145 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/- 145 bbl Fr Water. Total Cement (596 cu ft / 145 bbls).

IV. COMPLETION

A. CBL

Run CCL for perforating.

B. PRESSURE TEST

 Pressure test 4-1/2" casing to 4500 psi max, hold at 1500 psi for 30 minutes. Increase pressure to Open RSI sleeves.

C. STIMULATION

- 1. Stimulate with approximately 2,805,000# 20/40 mesh sand and 340,000# 16/30 mesh sand in 619,113 gallons water with 42,696 mscf N2 for 17 stages.
- 2. Isolate stages with flow through frac plug.
- 3. Drill out frac plugs and flowback lateral.

D. RUNNING TUBING

- Production Tubing: Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing near Top of Liner.
- Although this horizontal well will be drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 B(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 B(2) NMAC, 19.15.16.15 B(2)NMAC, and 19.15.16.15.
 B(4) NMAC.

NOTE:

Installation of RSI sleeves at Toe of Lateral.

Proposed Operations:

A 4-1/2" 11.6# N-80 Liner will be run to TD and landed +/- 150 ft. into the 7" 23# K-55 Intermediate casing with a Liner Hanger and pack-off assembly then cemented to top of liner hanger.

After cementing and TOL clean up operations are complete, the TOL will be tested to 1500 psi (per BLM).

A 4-1/2" 11.6# N-80 tie-back string with seal assembly will be run and stung into the PBR of the liner hanger, tested to 1500 PSI and hung off at the surface. After Stimulation and Testing operations are complete the 4-1/2" tie-back string will be removed from the well.

WPX Energy

T23N R7W Chaco 2307-06G Chaco 2307-06G #161H

Wellbore #1

Plan: Design #1 5Aug15 sam

Standard Planning Report

24 September, 2015

Planning Report

Database: COMPASS Company: WPX Energy **T23N R7W** Project: Chaco 2307-06G Site: Well:

Chaco 2307-06G #161H

Wellbore: Wellbore #1 Design: Design #1 5Aug15 sam Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Chaco 2307-06G #161H

KB @ 6984.00usft (Aztec 920) KB @ 6984.00usft (Aztec 920)

Minimum Curvature

Project **T23N R7W**

Map System: Geo Datum: Map Zone:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

New Mexico West 3003

System Datum:

Mean Sea Level

Chaco 2307-06G Site

Site Position: From:

Lat/Long

Northing: Easting:

1,913,587.46 usft 564,766.55 usft

13.200 in

Latitude: Longitude:

Grid Convergence:

36.258989 -107.613655

Position Uncertainty:

0.00 usft Slot Radius:

0.13°

Well Chaco 2307-06G #161H

Well Position

+N/-S +E/-W

0.73 usft 39.80 usft Northing: Easting:

1,913,588.28 usft 564,806.35 usft Latitude: Longitude:

36.258991 -107.613520

Position Uncertainty

0.00 usft

Wellhead Elevation:

0.00 usft

Ground Level:

6,970.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/19/2015	9.28	62.98	50,070

Design	Design #1 5Aug15 sam				
Audit Notes: Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)	BE
	0.00	0.00	0.00	278.37	

lan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	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	
550.00	0.00	0.00	550.00	0.00	0.00	0.00	0.00	0.00	0.00	
877.71	6.55	357.88	876.99	18.71	-0.69	2.00	2.00	0.00	357.88	
4,926.25	6.55	357.88	4,899.08	480.50	-17.83	0.00	0.00	0.00	0.00	
5,586.70	60.00	274.67	5,441.83	547.60	-333.05	9.00	8.09	-12.60	-87.02	Start 60 deg tan #16
5,646.70	60.00	274.67	5,471.83	551.83	-384.84	0.00	0.00	0.00	0.00	End 60 deg tan #161
5,816.13	75.25	274.67	5,536.14	564.56	-540.53	9.00	9.00	0.00	0.00	
5,992.63	91.13	274.67	5,557.00	578.79	-714.64	9.00	9.00	0.00	0.01	POE #161H
13,263,73	91,15	274.68	5,412.00	1,171,35	-7,960,10	0.00	0.00	0.00	2.78	BHL #161H 5Aug15

WPX

Planning Report

Database: COMPASS
Company: WPX Energy
Project: T23N R7W
Site: Chaco 2307-06G
Well: Chaco 2307-06G #161H

Well: Chaco 2307-06G #
Wellbore: Wellbore #1

Design: Design #1 5Aug15 sam

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Chaco 2307-06G #161H KB @ 6984.00usft (Aztec 920)

KB @ 6984.00usft (Aztec 920) True

Minimum Curvature

0.00 0.00 0.00 0.00 0.00 320.00 0.00 0.0	Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9 S/BT - 368 J - J - S S00.00 0.00 0.00 500.00 0.00 <t< td=""><td>0.00</td><td>0.00</td><td></td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td>0.00</td></t<>	0.00	0.00		0.00						0.00
Section Sect	320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00	9 5/8" 36# J-	55								
Start Build 2.00 877.71 6.55 357.88 876.99 18.71 -0.69 3.41 2.00 2.00	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Ref	550.00	0.00	0.00	550.00	0.00	0.00	0.00	0.00	0.00	0.00
Hold 6.55 Inclination	Start Build 2	.00								
1,000.00 6.55 357.88 1,495.22 89.69 -3.33 16.35 0.00 0.00 1,500.00 6.55 357.88 1,495.22 89.69 -3.33 16.35 0.00 0.00 0.00 2,000.00 6.55 357.88 1,495.22 89.69 -3.33 16.35 0.00 0.00 0.00 2,000.00 6.55 357.88 2,488.68 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,488.68 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,488.68 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,488.68 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 0.00 4,000.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 0.00 4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 0.00 4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 0.00 58tat Build DLS 9.00 TFO -87.02 5.000.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 5.646.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 5.646.70 60.00 274.67 5,541.83 551.83 -384.84 461.08 0.00 0.00 5.56 5.66 5.66 5.66 5.66 5.66	877.71	6.55	357.88	876.99	18.71	-0.69	3.41	2.00	2.00	0.00
1,500.00 6,55 357.88 1,495.22 89,89 -3.33 16,35 0.00 0.00 2,000.00 6,55 357.88 1,991.95 146,72 -5.44 28,75 0.00 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 0.00 3,000.00 6,55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 0.00 4,000.00 6,55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 0.00 4,000.00 6,55 357.88 4,899.08 480.50 17.83 87.59 0.00 0.00 0.00 4,926.25 6,55 357.88 4,899.08 480.50 17.83 87.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Hold 6.55 Inc	clination								
1,500.00 6,55 357.88 1,495.22 89,89 -3.33 16,35 0.00 0.00 2,000.00 6,55 357.88 1,991.95 146,72 -5.44 28,75 0.00 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 0.00 3,000.00 6,55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 0.00 3,000.00 6,55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 0.00 4,000.00 6,55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 0.00 4,000.00 6,55 357.88 4,899.08 480.50 17.83 87.59 0.00 0.00 0.00 4,926.25 6,55 357.88 4,899.08 480.50 17.83 87.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	1 000 00	6.55	357 88	008 40	32.66	-1 21	5.95	0.00	0.00	0.00
2,000.00 6.55 357.88 1,991.95 146.72 -5.44 26.75 0.00 0.00 2,500.00 6.55 357.88 2,488.88 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,488.88 203.76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,985.42 260.79 -9.68 47.54 0.00 0.00 3,500.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 4,500.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 5.54 5.500.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,846.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,846.70 60.00 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 5.54 to 1.5 9.00 TFO 0.00 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 5.54 to 1.5 9.00 TFO 0.00 5,816.13 75.25 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7.00 TO 2.00 TO 2.00 TO 2.00 TO 2.00 TFO 0.00 5,816.13 274.67 6 5,556.96 578.96 -716.63 793.28 0.00 0.00 7.00 0.00 TO 2.00 TO	A Service of the Control of the Cont									0.00
2,500,00 6.55 357.88 2,488.68 203,76 -7.56 37.14 0.00 0.00 3,000.00 6.55 357.88 2,985.42 260.79 -9.68 47.54 0.00 0.00 0.00 3,000.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,78.88 374.85 -13.91 68.33 0.00 0.00 4,926.25 6.55 357.88 4,899.8 480.50 -17.83 87.59 0.00 0.00 0.00 4,926.25 6.55 357.88 4,899.8 480.50 -17.83 87.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0										0.00
3,000.00 6.55 357.88 2,985.42 260.79 -9.68 47.54 0.00 0.00 3,500.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 4,500.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 Start Build DLS 9.00 TFO -87.02 5,000.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 0.00 Start Build DLS 9.00 TFO 0.00 5,816.13 75.25 274.67 5,5556.96 578.96 -716.63 793.28 0.00 9.00 POE at 91.13 10.274.67 deg 5,994.62 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 7,000.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 9,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 9,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 9,000.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,701.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,701.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,701.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -3,701.42 3,791.82 0.00 0.00 10,000.00 91.14 274.68 5,497.31 823.86 -5,704.37 5,787.26 0.00 0.00 11,000.00 91.15 274.68 5,447.39 1,027.60 -6,206.60 6,286.12 0.00 0.00 11,500.00 91.15 274										0.00
3,500.00 6.55 357.88 3,482.15 317.82 -11.79 57.94 0.00 0.00 4,000.00 6.55 357.88 3,978.88 3,78.85 -13.91 68.33 0.00 0.00 4,500.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 4,502.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 Start Build DLS 9.00 TFO -87.02 5,000.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,646.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00 Start Build DLS 9.00 TFO 0.00 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start Build DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7"23# J-55 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 7,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 8,000.00 91.14 274.68 5,557.11 742.37 -2,714.94 2,794.09 0.00 0.00 8,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,487.35 884.61 -4,209.66 4,200.68 0.00 0.00 9,000.00 91.14 274.68 5,487.35 884.61 -4,209.66 4,200.68 0.00 0.00 9,000.00 91.14 274.68 5,487.35 884.61 -4,209.66 4,200.68 0.00 0.00 1,500.00 91.14 274.68 5,487.35 884.61 -4,209.66 4,200.68 0.00 0.00 1,500.00 91.14 274.68 5,487.35 884.61 -4,209.66 6,286.12 0.00 0.00 1,500.00 91.15 274.68 5,487.39 946.11 -5,206.13 5,288.40 0.00 0.00 1,500.00 91.15 274.68 5,447.39 1,027.60 -6,206.06 6,286.12 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,206.06 6,286.12 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,028.05 -6,700.84 6,708.49 0.00 0.00										0.00
4,000.00 6.55 357.88 3,978.88 374.85 -13.91 68.33 0.00 0.00 4,500.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 4,928.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0										
4,500.00 6.55 357.88 4,475.61 431.88 -16.02 78.73 0.00 0.00 4,928.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 0.00 0.00 4,928.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	10 TO									0.00
4,926.25 6.55 357.88 4,899.08 480.50 -17.83 87.59 0.00 0.00 Start Build DLS 9.00 TFO -87.02 5,000.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start Build DLS 9.00 TFO 0.01 5,816.13 272.467 5,556.10 578.79 -714.64 791.29 9.00 9.00 Start Build DLS 9.00 TFO 0.01 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 To 3,954.62 91.13 274.67 5,556.96 <td></td> <td></td> <td></td> <td>The state of the s</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td>				The state of the s						0.00
Start Build DLS 9.00 TFO -87.02				The state of the s						0.00
5,000.00 9.56 313.83 4,972.16 488.96 -22.41 93.35 9.00 4.07 5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,846.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00 Start Build DLS 9.00 TFO 0.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 Start DLS 9.00 TFO 0.01 5,994.62 91.13 274.67 5,556.96 578.79 -714.64 791.29 9.00 9.00 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7"23# J-55	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	Annahum and an and an		4,899.08	480.50	-17.83	87.59	0.00	0.00	0.00
5,500.00 52.27 275.97 5,393.55 540.97 -261.42 337.39 9.00 8.54 5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,646.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00 Start Build DLS 9.00 TFO 0.00 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.14 274.68	THE REAL PROPERTY.	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL			Anna Lieu Maria					
5,586.70 60.00 274.67 5,441.83 547.60 -333.05 409.22 9.00 8.91 Hold 60.00 Inclination 5,646.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00 Start Build DLS 9.00 TFO 0.00 5,816.13 75.25 274.67 5,556.00 578.79 -714.64 791.29 9.00 9.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,556.96 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 inc 274.67 deg 5,994.62 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14	5,000.00	9.56	313.83	4,972.16	488.96	-22.41	93.35	9.00	4.07	-59.72
Hold 60.00 Inclination 5,646.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00	5,500.00	52.27	275.97	5,393.55	540.97	-261.42	337.39	9.00	8.54	-7.57
5,646.70 60.00 274.67 5,471.83 551.83 -384.84 461.08 0.00 0.00 Start Build DLS 9.00 TFO 0.01 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5,586.70	60.00	274.67	5,441.83	547.60	-333.05	409.22	9.00	8.91	-1.49
Start Build DLS 9.00 TFO 0.00 5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,517.21 742.37 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94	Hold 60.00 Ir	nclination								
5,816.13 75.25 274.67 5,536.14 564.56 -540.53 616.96 9.00 9.00 Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00	5,646.70	60.00	274.67	5,471.83	551.83	-384.84	461.08	0.00	0.00	0.00
Start DLS 9.00 TFO 0.01 5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7"23# J-55 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00	Start Build D	LS 9.00 TFO 0.0	0				THE RESERVE OF	ASSESSED FOR		
5,992.63 91.13 274.67 5,557.00 578.79 -714.64 791.29 9.00 9.00 POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7" 23# J-55 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,597.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,500.00	5,816.13	75.25	274.67	5,536.14	564.56	-540.53	616.96	9.00	9.00	0.00
POE at 91.13 Inc 274.67 deg 5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7"23# J-55 50,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00	Start DLS 9.0	00 TFO 0.01	THE WATER	TOTAL CONTRACT				THE PERSON	AND THE RESERVE	
5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7" 23# J-55 500.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35	5,992.63	91.13	274.67	5,557.00	578.79	-714.64	791.29	9.00	9.00	0.00
5,994.62 91.13 274.67 5,556.96 578.96 -716.63 793.28 0.00 0.00 7" 23# J-55 500.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35	POE at 91.13	Inc 274.67 deg		HERE THE		- A-6.2	THE RESERVE			
7" 23# J-55 6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00	E 004 62	01 12	274 67	E EEE 06	579.06	716 62	702.28	0.00	0.00	0.00
6,000.00 91.13 274.67 5,556.85 579.40 -721.99 798.65 0.00 0.00 6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,467.39 946.11	MANAGEMENT PROPERTY.	91.10	214.01	5,556.86	370.50	-/ 10.03	793.20	0.00	0.00	0.00
6,500.00 91.13 274.67 5,546.96 620.14 -1,220.23 1,297.51 0.00 0.00 7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 <td></td> <td>04.40</td> <td>274 67</td> <td>E EEC OF</td> <td>570.40</td> <td>724.00</td> <td>700 65</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>		04.40	274 67	E EEC OF	570.40	724.00	700 65	0.00	0.00	0.00
7,000.00 91.14 274.68 5,537.05 660.88 -1,718.47 1,796.37 0.00 0.00 7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,467.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td>										0.00
7,500.00 91.14 274.68 5,527.14 701.63 -2,216.70 2,295.23 0.00 0.00 8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60										0.00
8,000.00 91.14 274.68 5,517.21 742.37 -2,714.94 2,794.09 0.00 0.00 8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00				12.17			014 700			0.00
8,500.00 91.14 274.68 5,507.27 783.12 -3,213.18 3,292.96 0.00 0.00 9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00						ENGLISH SET				
9,000.00 91.14 274.68 5,497.31 823.86 -3,711.42 3,791.82 0.00 0.00 9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00										0.00
9,500.00 91.14 274.68 5,487.35 864.61 -4,209.66 4,290.68 0.00 0.00 10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00										0.00
10,000.00 91.14 274.68 5,477.38 905.36 -4,707.89 4,789.54 0.00 0.00 10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00						1.0				0.00
10,500.00 91.14 274.68 5,467.39 946.11 -5,206.13 5,288.40 0.00 0.00 11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00										0.00
11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00	10,000.00	91.14	274.68	5,477.38	905.36	-4,707.89	4,789.54	0.00	0.00	0.00
11,000.00 91.15 274.68 5,457.40 986.85 -5,704.37 5,787.26 0.00 0.00 11,500.00 91.15 274.68 5,447.39 1,027.60 -6,202.60 6,286.12 0.00 0.00 12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00	10,500.00	91.14	274.68	5,467.39	946.11	-5,206.13	5,288.40		0.00	0.00
12,000.00 91.15 274.68 5,437.37 1,068.35 -6,700.84 6,784.98 0.00 0.00	11,000.00	91.15	274.68	5,457.40	986.85	-5,704.37	5,787.26		0.00	0.00
	11,500.00	91.15	274.68		1,027.60			0.00	0.00	0.00
12,500.00 91.15 274.68 5,427.34 1,109.10 -7,199.07 7,283.84 0.00 0.00	12,000.00	91.15	274.68	5,437.37	1,068.35	-6,700.84	6,784.98	0.00	0.00	0.00
	12,500.00	91.15	274.68	5,427.34	1,109.10	-7,199.07	7,283.84	0.00	0.00	0.00
13,000.00 91.15 274.68 5,417.30 1,149.85 -7,697.31 7,782.70 0.00 0.00	13 000 00	91 15	274 68	5 417 30	1 149 85	-7 697 31	7 782 70	0.00	0.00	0.00
13,263.73 91.15 274.68 5,412.00 1,171.35 -7,960.10 8,045.83 0.00 0.00										0.00

WPX

Planning Report

Database: COMPASS Company: WPX Energy Project: **T23N R7W** Chaco 2307-06G Site: Well: Chaco 2307-06G #161H Wellbore:

Design:

Wellbore #1 Design #1 5Aug15 sam TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Local Co-ordinate Reference:

Well Chaco 2307-06G #161H KB @ 6984.00usft (Aztec 920) KB @ 6984.00usft (Aztec 920)

Minimum Curvature

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL #161H 5Aug15 sarr - plan hits target cent - Point	0.00 er	0.00	5,412.00	1,171.35	-7,960.10	1,914,741.56	556,843.61	36.262206	-107.640521
Start 60 deg tan #161H - plan hits target cent - Point	0.00 er	0.00	5,441.83	547.60	-333.05	1,914,135.13	564,472.06	36.260495	-107.614650
End 60 deg tan #161H - plan hits target cent - Point	0.00 er	0.00	5,471.83	551.83	-384.84	1,914,139.24	564,420.26	36.260507	-107.614826
POE #161H - plan hits target center - Point	0.00 er	0.00	5,557.00	578.79	-714.64	1,914,165.45	564,090.40	36.260581	-107.615944

asing Points						
	Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (in)	Hole Diameter (in)
	320.00	320.00	9 5/8" 36# J-55	THE PERSON NAMED IN COLUMN	9.620	12.250
	5,994.62	5,556.96	7" 23# J-55		7.000	8.750

Meas	sured	Vertical	Local Coor	dinates	
Der (us		Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
5	550.00	550.00	0.00	0.00	Start Build 2.00
8	377.71	876.99	18.71	-0.69	Hold 6.55 Inclination
4,9	26.25	4,899.08	480.50	-17.83	Start Build DLS 9.00 TFO -87.02
5,5	86.70	5,441.83	547.60	-333.05	Hold 60.00 Inclination
5,6	346.70	5,471.83	551.83	-384.84	Start Build DLS 9.00 TFO 0.00
5,8	316.13	5,536.14	564.56	-540.53	Start DLS 9.00 TFO 0.01
5,9	92.63	5,557.00	578.79	-714.64	POE at 91.13 Inc 274.67 deg
	263.73	5,412.00	1,171.35	-7,960.10	TD at 13263.73

VPXENERGY...

Surface Location: Chaco 2307-06G

NAD 1927 (NADCON CONUS) , US State Plane 1927 (Exact solution) New Mexico West 3003

Ground Elevation: 6970.00

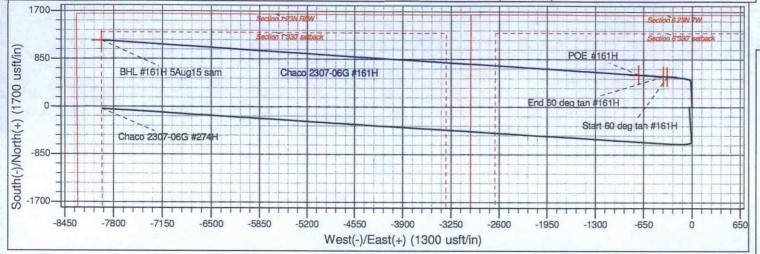
+N/-S +E/-W Northing 0.00 0.00 1913588.28

Easting Latittude 564806.35 36.258991 KB @ 6984.00usft (Aztec 920) Longitude -107.613520

Slot

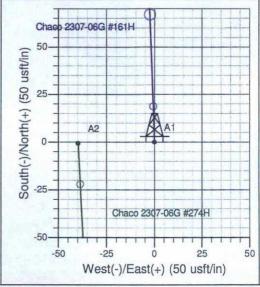
Azimuths to True North Magnetic North: 9.28

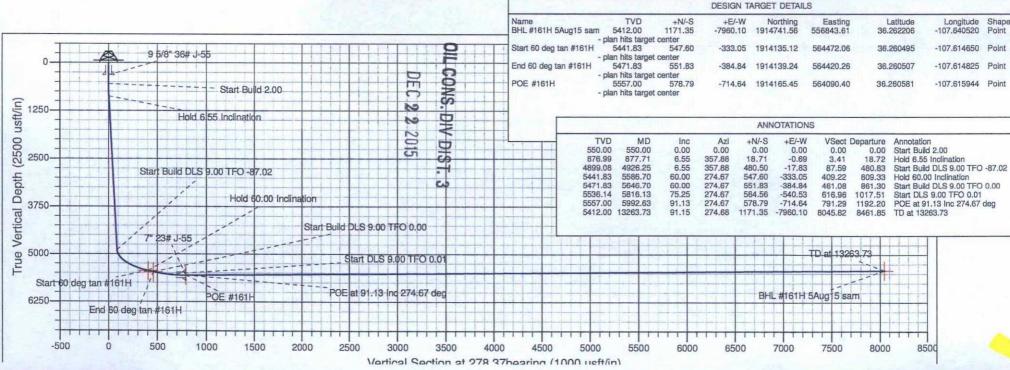
> Magnetic Field Strength: 50070.5snT Dip Angle: 62.98° Date: 7/19/2015 Model: IGRF2010



Slot Name	+N/-S	+E/-W	Northing	Easting
A1	0.00	0.00	1913588.28	564806.35
A2	-0.73	-39.80	1913587.46	564766.55

Project: T23N R7W Site: Chaco 2307-06G Well: Chaco 2307-06G #161H Wellbore: Wellbore #1 Design: Design #1 5Aug15 sam





- a. Diversions will be installed upon reclamation.
- b. No additional fill would be required to construct the pad.
- c. The existing blueline will be routed around the well pad and will utilize the US Army Corps of Engineers (USACE) Nationwide Permit #39.
- 5. All project activities will be confined to permitted areas only.
- Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, and a dozer.

D. Production Facilities

- As practical, access will be a teardrop-shaped road through the production area so that the center may be revegetated.
- Within 90 days of installation, production facilities would be painted Juniper Green to blend with the natural color of the landscape and would be located, to the extent practical, to reasonably minimize visual impact.
- Berms will be constructed around all storage facilities sufficient in size to contain the storage capacity of tanks. Berm walls will be compacted with appropriate equipment to assure containment.

After the completion phases and pipeline installation, portions of the project area not needed for operation will be reclaimed. When the well is plugged, final reclamation will occur within the remainder of the project area. Reclamation is described in detail in the Reclamation Plan (Appendix B).

7.0 Methods for Handling Waste

A. Cuttings



- Drilling operations will utilize a closed-loop system. Drilling of the horizontal laterals will be
 accomplished with water-based mud. All cuttings will be placed in roll-off bins and hauled to
 a commercial disposal facility or land farm. WPX will follow Onshore Oil and Gas Order No. 1
 regarding the placement, operation, and removal of closed-loop systems. No blow pit will be
 used.
- 2. Closed-loop tanks will be adequately sized for containment of all fluids.

B. Drilling Fluids

 Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. All residual fluids will be hauled to a commercial disposal facility.

C. Spills

 Any spills of non-freshwater fluids will be immediately cleaned up and removed to an approved disposal site.

D. Sewage

1. Portable toilets will be provided and maintained during construction, as needed (see Figure 4 in Appendix A for the location of toilets).

E. Garbage and other water material

1. All garbage and trash will be placed in a metal trash basket. The trash and garbage will be hauled off site and dumped in an approved landfill, as needed.

F. Hazardous Waste

No chemicals subject to reporting under Superfund Amendments and Reauthorization
 Act Title III in an amount equal to or greater than 10,000 pounds will be used, produced,

<u>Directions from the Intersection of US Hwy 550 & US Hwy 64</u> in Bloomfield, NM to WPX Energy Production, LLC Chaco 2307-06G #161H 1646' FNL & 2317' FEL, Section 6, T23N, R7W, N.M.P.M., Rio Arriba County, NM

Latitude: 36.259004°N Longitude: 107.614129°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 43.0 miles to Mile Marker 108.2;

Go Left (Northerly) on County Road #7998 for 0.3 miles to fork in roadway:

Go Right (North-Easterly) for 0.3 miles to fork in roadway;

Go Right (Easterly) for 0.6 miles to fork in roadway:

Go Left (Easterly) which is straight for 0.4 miles to new access on right-hand side of roadway which continues for 3863.7 to staked Chaco 2307-06G #161H location.

