

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

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

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 1/22/14

Well information;

Operator WPX, Well Name and Number Chaco 2306-07L 182H

API# 30-039-31212, Section 7, Township 23 NS, Range 6 EW

Conditions of Approval:

(See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ 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 well 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 the 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
- ☐ 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

Charles Heron
NMOCD Approved by Signature

3-11-2014
Date ca

RECEIVED

JAN 22 2014

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

NMSF-078359

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.

Chaco 2306-07L #182H

9. API Well No.

30-039-31212

10. Field and Pool, or Exploratory

Lybrook Gallup

11. Sec., T., R., M., or Blk. and Survey or Area

Section 12, T23N R6W BHL
Section 7, T23N, R6W SHL

12. County or Parish

Rio Arriba County

13. State

NM

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

WPX Energy Production, LLC

3a. Address

P.O. Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

(505) 333-1808

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface 1957' FSL & 301' FWL, sec 7, T23N, R6W

At proposed prod. zone 2033' FSL & 230' FWL, sec 12, T23N, R7W

14. Distance in miles and direction from nearest town or post office*

approximately 2 miles northeast of Lybrook, New Mexico

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

301'

16. No. of Acres in lease

2381.69

17. Spacing Unit dedicated to this well

157.61 N2S2
160 acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

40'

19. Proposed Depth

10,458' MD / 5,454' TVD

20. BLM/BIA Bond No. on file

UTB000178

RCVD MAR 4 '14

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

6950' GR

22. Approximate date work will start*

April 1, 2014

23. Estimated duration

1 month

OIL CONS. DIV.

24. Attachments

DIST. 3

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached 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).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized officer.

25. Signature

Larry Higgins

Name (Printed/Typed)

Larry Higgins

Date

1/22/14

Title

Regulatory Specialist

Approved by (Signature)

[Signature]
AFM

Name (Printed/Typed)

Office

FFO

Date

2/27/14

Application approval 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.

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 Lybrook Gallup formation at the above described location in accordance with the attached drilling and surface use plans.

The well pad surface is on lease under jurisdiction of the BLM.

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

This well shares this location with the Chaco 2306-07L #183H (API #30-039-31191). No additional access road is needed.

NMOCDA

APD Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 22nd day of January, 2014.

Name Larry Higgins

Position Title Regulatory Specialist

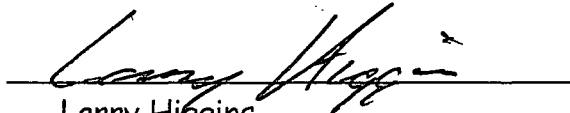
Address P.O. Box 640, Aztec, NM 87410

Telephone (505) 333-1808

Field representative (if not above signatory) _____

E-mail larry.higgins@wpxenergy.com

Date: 01/22/14


Larry Higgins
Regulatory Spec.
WPX Energy Production, LLC

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

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

AMENDED REPORT
RECEIVED

JAN 22 2014

WELL LOCATION AND ACREAGE DEDICATION PLAT

Farmington Field Office
Bureau of Land Management

*API Number 30-039-31312	*Pool Code 42289	*Pool Name LYBROOK GALLUP	Bureau of Land Management
*Property Code 400810	*Property Name CHACO 2306-07L		*Well Number 182H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6950'

¹⁰ Surface Location

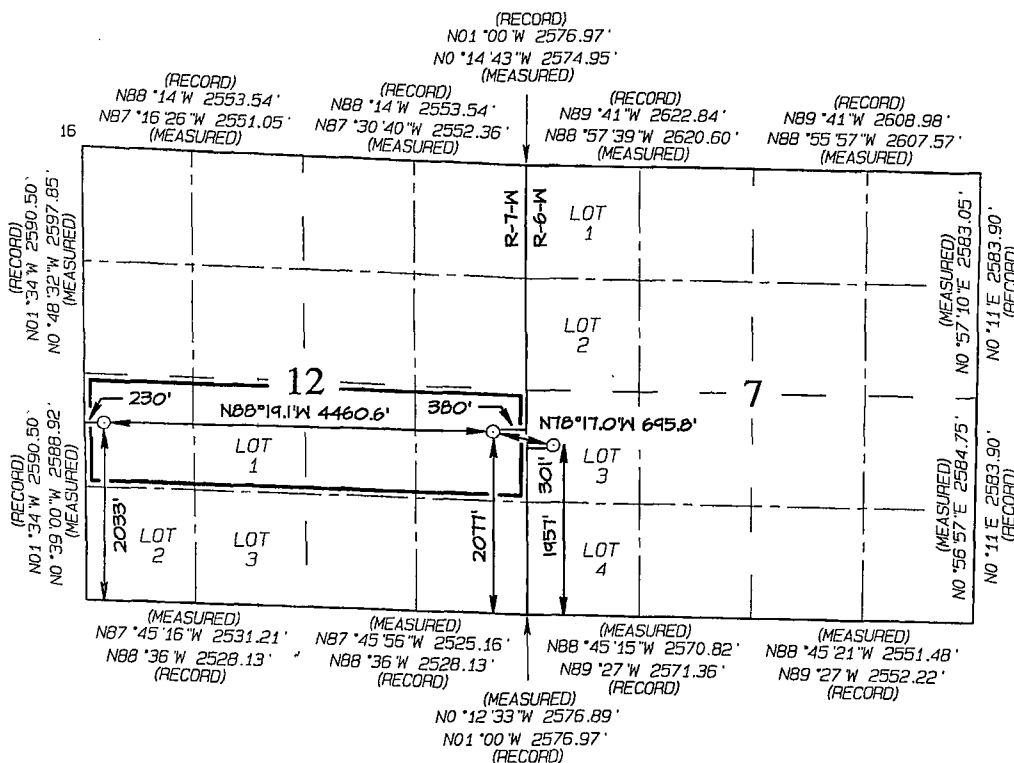
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	7	23N	6W	3	1957	SOUTH	301	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	23N	7W		2033	SOUTH	230	WEST	RIO ARBITA

12 Dedicated Acres	157.61 Acres N/2 S/2 - Section 12	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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



END-OF-LATERAL
2033' FSL 230' FWL
SECTION 12, T23N, R7W
LAT: 36.23827°N
LONG: 107.53470°W
DATUM: NAD1927

LAT: 36.23828°N
LONG: 107.53531°W
DATUM: NAD1983

POINT-OF-ENTRY
2077' FSL 380' FEL
SECTION 12, T23N, R7W
LAT: 36.23807°N
LONG: 107.51958°W
DATUM: NAD1927

SURFACE LOCATION
1957' FSL 301' FWL
SECTION 7, T23N, R6W
LAT: 36.23771°N
LONG: 107.51727°W
DATUM: NAD1927

LAT: 36.23772°N
LONG: 107.51787°W
DATUM: NAD1983

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral interest, and that no pooling agreement, pooling agreement or compulsory pooling order heretofore entered by the division.

Signature Larry Higgins Date 1/22/14

Printed Name
larry.higgins@wpxenergy.com

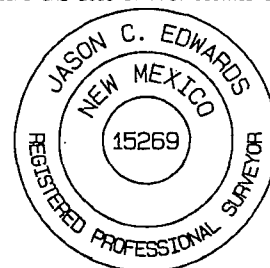
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: JANUARY 22, 2014
Survey Date: OCTOBER 1, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

WPX ENERGY**Operations Plan***(Note: This procedure will be adjusted on site based upon actual conditions)*

DATE: 1/15/2013 **FIELD:** Lybrook (Gallup)

WELL NAME: Chaco 2306-07L #182H **SURFACE:** BLM

SH Location: NWSW Sec 7-23N-6W **ELEVATION:** 6,950' GR

BH Location: NWSW Sec 12-23N-7W **MINERALS:** BLM
Rio Arriba Co, NM

MEASURED DEPTH: 10,458' **LEASE #:** NMSF-078359

I. GEOLOGY: Surface formation – San Jose**A. FORMATION TOPS:** (KB)

Name	MD	TVD	Name	MD	TVD
Ojo Alamo	1,549	1,545	Point Lookout	4,285	4,279
Kirtland	1,722	1,717	Mancos	4,500	4,494
Pictured Cliffs	2,004	1,998	Kickoff Point	4,918	4,913
Lewis	2,111	2,105	Target Top	5,658	5,500
Chacra	2,440	2,434	Landing Point	5,996	5,579
Cliff House	3,528	3,522	Target Base	5,996	5,579
Menefee	3,568	3,562			
			TD	10,458	5,454

B. MUD LOGGING PROGRAM: Mudlogger on location from surface csg to TD.**C. LOGGING PROGRAM:** LWD GR from surface casing to TD. LWD GR / E- Sonic will be run in Lateral.**D. NATURAL GAUGES:** Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.**II. DRILLING**

A. MUD PROGRAM: LSND mud (WBM) will be used to drill the 12-1/4" Surface hole, the 8 3/4" Directional Vertical hole, the curve portion of the wellbore. 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. BOP TESTING: 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.**

NOTE: Vertical portion of the well (8-3/4 in.) will be directionally drilled as per attached Directional Plan to +/- 4,918' (MD) / 4,913' (TVD). Curve portion of wellbore will be drilled and landed at +/- 90 deg. at +/- 5,996' (MD) / 5,579' (TVD). 7 in. csg will be set at this point. A 6-1/8" Lateral will be drilled as per the attached Directional Plan to +/- 10,458' (MD) / 5,454' (TVD). Will run 4-1/2 in. Production Liner from +/- 5,846 ft. to TD and cemented. Liner will be tied back to surface w / 4-1/2" Casing for stimulation / testing, then removed from the well.

III. MATERIALS**A. CASING PROGRAM:**

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	12.25"	400'+	9 5/8	36#	J-55
Intermediate	8.75"	5,996'	7	23#	K-55
Prod. Liner	6.125"	5,846' - 10,458'	4-1/2"	11.6#	N-80
Tie-Back String	N/A	Surf. - 5,846'	4-1/2"	11.6#	N-80

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
2. 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., 2,500 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 + (2) RSI (Sliding Sleeves) positioned inside 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)

1. SURFACE: 10 bbl Fr Water Spacer + 190 sx (222.3 cu.ft.) of "Premium Cement" + 2% Calcium Chloride Cement + 0.125# pps of Poly-E-Flake, 15.8 #/gal (1.17 cu ft./sk, Vol 39.58 Bbls.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 600psi. Total Volume: (222.3 cu-ft/190 sx/39.6 Bbls).
2. INTERMEDIATE: 20 bbl (112 cu-ft) Mud Flush III spacer + Lead: 850 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: 1216 cu-ft / 216.5 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). Test Casing to 1500 PSI for 30 minutes. Total Cement Volume: (1050 sx / 1461 cu-ft / 260 bbls). Mix with +/- 84,000 SCF Nitrogen. TOC at surface.
3. PRODUCTION LINER: **STAGE 1**: 10 bbl (56 cu-ft) Fr Water Spacer. **STAGE 2**: 40 bbl 9.5 ppg (224.6 cu-ft) Tuned Spacer III + 0.5 gal/bbl Musol + 38.75 ppb Barite + 0.5 gal/bbl SEM-7. **STAGE 3**: 10 bbl Fr Water Spacer. **STAGE 4: Lead Cement**: 50 / 50 Poz Premium + 0.2% Versaset + 0.2% Halad -766, Yield 1.43 cu ft/sk, 13.0 ppg, (10 sx / 14.3 cu ft. / 2.5 bbls). **STAGE 5**: 200 sx. Foamed Lead Cement: 50 / 50 Poz Standard + 0.2% Versaset + 0.2% HALAD-766 + 1.5% Chem-Foamer 760. Yield 1.97 cu-ft/sk. 13.0 ppg (200 sx / 394 cu-ft. / 70.2 bbls.). **STAGE 6**: Tail Cement : 100 sx. 50/50 Poz Standard + 0.2% Versaset + 0.05% HALAD-766 + .05% SA-1015, Weight: 13.5 ppg (100 sx / Yield 1.28 cu ft/sk. / 128 cu ft. / 22.8 bbls) **STAGE 7**: Displace w/ +/- 137 bbl Fr Water. Total Cement (563.3 cu ft / 95.5 bbls). Mix Foamed Cement w/ +/- 75,000 SCF Nitrogen. Est. TOC +/- 5,546 ft.

IV. COMPLETION

A. CBL

1. Run CCL for perforating.

B. PRESSURE TEST

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

1. 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 point of curve (~5,900' MD).

- 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 (set at 5,996ft. MD) with a Liner Hanger and pack-off assembly then cemented to +/- 300 ft above the liner hanger. TOL will be +/- 5,846 ft. (MD) +/- 78 degree angle. TOC: +/- 5,546 ft. (MD).

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.

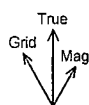
The Drilling Rig will be rigged down at this point and Completion operations will begin. After Stimulation and Testing operations are complete the 4-1/2" tie-back string will be removed from the well.

Note: Changes to formation tops, casing landing points, well TD and Directional Plan

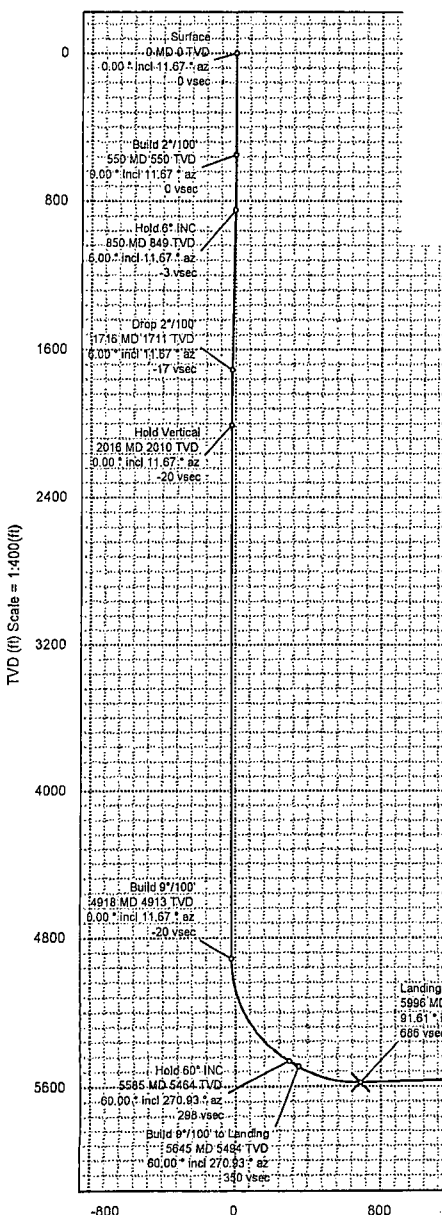
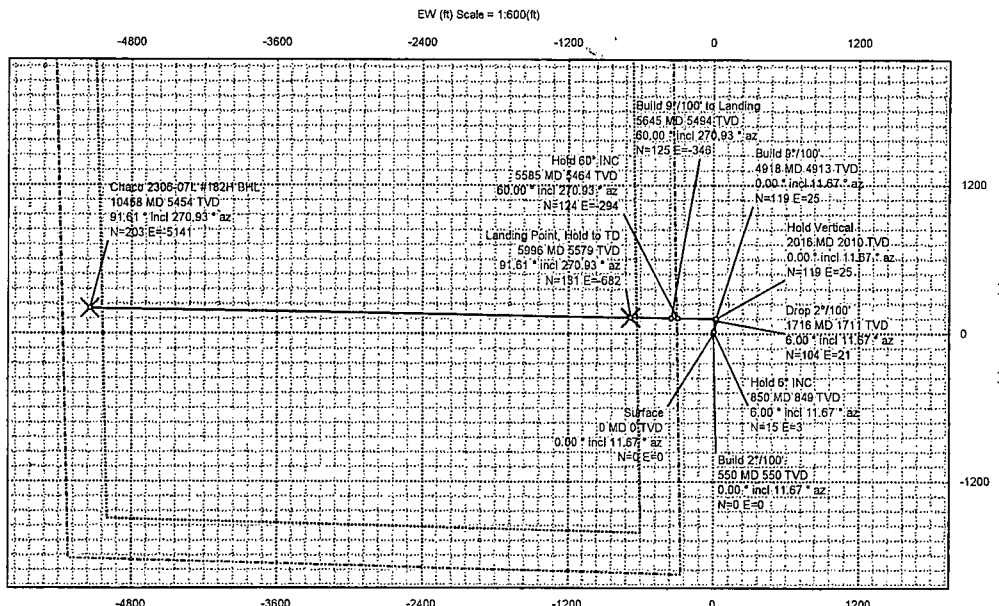
Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2306-07L #182H	NM, Rio Arriba (NAD 27 CZ)	Sec 7-23N-6W

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2013 Dip: 63.022° Date: 15-Jan-2014	NAD27 New Mexico State Plane, Central Zone, US Feet	Slot: Chaco 2306-07L #182H
MagDec: 9.46° FS: 50157.54nT Gravity FS: 998.495mgm (9.80665 Based)	Lat: N 36 14 15.76 Northing: 1908179.841ft US Grid Conv: -0.7492°	TVD Ref: RKB(6964ft above MSL)
	Lon: W 107 31 2.17 Easting: 126273.72RUS Scale Fact: 1.00005983	Plan: Chaco 2306-07L #182H R0 mdy 15Jan14

Proposal



True North
Tot Corr (M→T 9.460°)
Mag Dec (9.460°)
Grid Conv (-0.749°)



Surface Location								
Northing: 1908179.841		Easting: 126273.72		Latitude: N 36 14 15.76		Longitude: W 107 31 2.17		VSec Azimuth: 272.266
Target Description		Grid Coord					Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Chaco 2306-07L #182H BHL	N 36 14 17.76	W 107 32 4.93	1908450.50	121135.13	5454.00	5145.42	203.43	-5141.39
Chaco 2306-07L #182H PP	N 36 14 17.05	W 107 31 10.49	1908319.53	125593.78	5579.00	686.31	130.78	-681.67
Chaco 2306-07L #182H 330' Setback	N 36 14 15.76	W 107 31 2.17	1908179.84	126273.72	6964.00	0.00	0.00	0.00
Chaco 2306-07L #182H Section Line	N 36 14 15.76	W 107 31 2.17	1908179.84	126273.72	6964.00	0.00	0.00	0.00
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface	0.00	0.00	11.67	0.00	0.00	0.00	0.00	
Build 2°/100'	550.00	0.00	11.67	550.00	0.00	0.00	0.00	0.00
Hold 6° INC	849.79	6.00	11.67	849.24	-2.56	15.35	3.17	2.00
Drop 2°/100'	1716.04	6.00	11.67	1710.76	-17.34	103.96	21.47	0.00
Hold Vertical	2015.83	0.00	11.67	2010.00	-19.90	119.31	24.64	2.00
Build 9°/100'	4918.46	0.00	11.67	4912.63	-19.90	119.31	24.64	0.00
Hold 60° INC	5585.13	60.00	270.93	5463.96	296.32	124.48	-293.63	9.00
Build 9°/100' to Landing	5645.13	60.00	270.93	5493.96	350.27	125.32	-345.58	0.00
Landing Point, Hold to TD	5996.30	91.60	270.93	5579.00	686.32	130.79	-681.68	9.00
Chaco 2306-07L #182H BHL	10458.35	91.61	270.93	5454.00	5145.42	203.43	-5141.39	0.00

Vertical Section (ft) Azim = 272.266° Scale = 1:400(ft) Origin = 0N-S, 0E-W



Chaco 2306-07L #182H R0 mdv 15Jan14 Proposal Geodetic Report



(Def Plan)

Report Date: January 15, 2014 - 11:51 AM
Client: WPX Energy
Field: NM, Rio Arriba (NAD 27 CZ)
Structure / Slot: WPX Sec 7-23N-6W (Chaco 2306-07L #182H) / Chaco 2306-07L #182H
Well: Chaco 2306-07L #182H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2306-07L #182H R0 mdv 15Jan14
Survey Date: January 15, 2014
Tort / AHD / DDI / ERD Ratio: 103.598 * / 5288.548 ft / 6.012 / 0.948
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 14' 15.75600", W 107° 31' 2.17200"
Location Grid N/E Y/X: N 1908179.841 RUS, E 126273.720 RUS
CRS Grid Convergence Angle: -0.7492 *
Grid Scale Factor: 1.00005983
Version / Patch: 2.7.1043.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 272.266 * (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6964.000 ft above MSL
Seabed / Ground Elevation: 6950.000 ft above MSL
Magnetic Declination: 9.460 *
Total Gravity Field Strength: 998.4953mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 50157.540 nT
Magnetic Dip Angle: 63.022 *
Declination Date: January 15, 2014
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000 *
Total Corr Mag North->True North: 9.4596 *
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	11.67	0.00	0.00	0.00	0.00	N/A	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	100.00	0.00	11.67	100.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	200.00	0.00	11.67	200.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	300.00	0.00	11.67	300.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	400.00	0.00	11.67	400.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	500.00	0.00	11.67	500.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
Build 2"/100'	550.00	0.00	11.67	550.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36 14 15.76	W 107 31 2.17
	600.00	1.00	11.67	600.00	-0.07	0.43	0.09	2.00	1908180.27	126273.81	N 36 14 15.76	W 107 31 2.17
	700.00	3.00	11.67	699.93	-0.64	3.84	0.79	2.00	1908183.68	126274.56	N 36 14 15.79	W 107 31 2.16
	800.00	5.00	11.67	799.68	-1.78	10.68	2.20	2.00	1908190.49	126276.06	N 36 14 15.86	W 107 31 2.15
Hold 6" INC	849.79	6.00	11.67	849.24	-2.56	15.35	3.17	2.00	1908195.15	126277.09	N 36 14 15.91	W 107 31 2.13
	900.00	6.00	11.67	899.18	-3.42	20.48	4.23	0.00	1908200.27	126278.22	N 36 14 15.96	W 107 31 2.12
	1000.00	6.00	11.67	998.63	-5.12	30.71	6.34	0.00	1908210.47	126280.46	N 36 14 16.06	W 107 31 2.09
	1100.00	6.00	11.67	1098.08	-6.83	40.94	8.46	0.00	1908220.67	126282.71	N 36 14 16.16	W 107 31 2.07
	1200.00	6.00	11.67	1197.54	-8.54	51.17	10.57	0.00	1908230.87	126284.96	N 36 14 16.26	W 107 31 2.04
	1300.00	6.00	11.67	1296.99	-10.24	61.40	12.68	0.00	1908241.08	126287.20	N 36 14 16.36	W 107 31 2.02
	1400.00	6.00	11.67	1396.44	-11.95	71.63	14.79	0.00	1908251.28	126289.45	N 36 14 16.46	W 107 31 1.99
	1500.00	6.00	11.67	1495.90	-13.66	81.86	16.91	0.00	1908261.48	126291.70	N 36 14 16.57	W 107 31 1.97
	1600.00	6.00	11.67	1595.35	-15.36	92.09	19.02	0.00	1908271.68	126293.94	N 36 14 16.67	W 107 31 1.94
	1700.00	6.00	11.67	1694.80	-17.07	102.32	21.13	0.00	1908281.88	126296.19	N 36 14 16.77	W 107 31 1.91
Drop 2"/100'	1716.04	6.00	11.67	1710.76	-17.34	103.96	21.47	0.00	1908283.52	126296.55	N 36 14 16.78	W 107 31 1.91
	1800.00	4.32	11.67	1794.37	-18.58	111.35	23.00	2.00	1908290.89	126298.17	N 36 14 16.86	W 107 31 1.89
	1900.00	2.32	11.67	1894.20	-19.52	117.02	24.17	2.00	1908296.54	126299.42	N 36 14 16.91	W 107 31 1.88
	2000.00	0.32	11.67	1994.17	-19.90	119.27	24.63	2.00	1908298.78	126299.91	N 36 14 16.94	W 107 31 1.87
Hold Vertical	2015.83	0.00	11.67	2010.00	-19.90	119.31	24.64	2.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2100.00	0.00	11.67	2094.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2200.00	0.00	11.67	2194.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2300.00	0.00	11.67	2294.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2400.00	0.00	11.67	2394.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2500.00	0.00	11.67	2494.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2600.00	0.00	11.67	2594.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2700.00	0.00	11.67	2694.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2800.00	0.00	11.67	2794.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	2900.00	0.00	11.67	2894.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3000.00	0.00	11.67	2994.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3100.00	0.00	11.67	3094.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3200.00	0.00	11.67	3194.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3300.00	0.00	11.67	3294.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3400.00	0.00	11.67	3394.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3500.00	0.00	11.67	3494.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3600.00	0.00	11.67	3594.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3700.00	0.00	11.67	3694.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3800.00	0.00	11.67	3794.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	3900.00	0.00	11.67	3894.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4000.00	0.00	11.67	3994.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4100.00	0.00	11.67	4094.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4200.00	0.00	11.67	4194.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4300.00	0.00	11.67	4294.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4400.00	0.00	11.67	4394.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4500.00	0.00	11.67	4494.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4600.00	0.00	11.67	4594.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4700.00	0.00	11.67	4694.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4800.00	0.00	11.67	4794.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	4900.00	0.00	11.67	4894.17	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
Build 9"/100'	4918.46	0.00	11.67	4912.63	-19.90	119.31	24.64	0.00	1908298.83	126299.92	N 36 14 16.94	W 107 31 1.87
	5000.00	7.34	270.93	4993.94	-14.69	119.39	19.43	9.00	1908298.98	126294.71	N 36 14 16.94	W 107 31 1.93
	5100.00	16.34	270.93	5091.72	5.80	119.73	-1.07	9.00	1908299.58	126274.22	N 36 14 16.94	W 107 31 2.19
	5200.00	25.34	270.93	5185.08	41.32	120.30	-36.60	9.00	1908300.62	126238.70	N 36 14 16.95	W 107 31 2.62
	5300.00	34.34	270.93	5271.73	91.02	121.11	-88.30	9.00	1908302.08	126189.01	N 36 14 16.95	W 107 31 3.23
	5400.00	43.34	270.93	5349.55	153.65	122.13	-148.93	9.00	1908303.91	126126.39	N 36 14 16.96	W 107 31 3.99
	5500.00	52.34	270.93	5416.60	227.68	123.33	-222.97	9.00	1908306.08	126052.36	N 36 14 16.98	W 107 31 4.89
Hold 60" INC	5585.13	60.00	270.93	5463.96	298.32	124.48	-293.63	9.00	1908308.15	125981.73	N 36 14 16.99	W 107 31 5.76
	5600.00	60.00	270.93	5471.39	311.19	124.69	-306.50	0.00	1908308.53	125968.85	N 36 14 16.99	W 107 31 5.91
Build 9"/100' to Landing	5645.13	60.00	270.93	5493.96	350.27	125.32	-345.58	0.00	1908309.68	125929.79	N 36 14 17.00	W 107 31 6.39
	5700.00	64.94	270.93	5519.31	398.90	126.11	-394.22	9.00	1908311.10	125881.16	N 36 14 17.00	W 107 31 6.98
	5800.00	73.94	270.93	5554.40	492.40	127.63	-487.74	9.00	1908313.85	125787.66	N 36 14 17.02	W 107 31 8.13
	5900.00	82.94	270.93	5574.42	590.25	129.22	-585.60	9.00	1908316.72	125689.83	N 36 14 17.03	W 107 31 9.32
Landing Point, Hold to TD	5996.30	91.61	270.93	5579.00	686.32	130.79	-681.68	9.00	1908319.54	125593.77	N 36 14 17.05	W 107 31 10.49
	6000.00	91.61	270.93	5578.90	690.02	130.85	-685.38	0.00	1908319.65	125590.07	N 36 14 17.05	W 107 31 10.54
	6100.00	91.61	270.93	5576.10	789.95	132.48	-785.33	0.00	1908322.58	125490.15	N 36 14 17.07	W 107 31 11.76
	6200.00	91.61	270.93	5573.29	889.89	134.11	-885.28	0.00	1908325.52	125390.22	N 36 14 17.08	W 107 31 12.98

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6700.00	91.61	270.93	5559.29	1389.55	142.25	-1385.01	0.00	1908340.20	124860.80	N 36 14 17.16	W 107 31 19.08
	6800.00	91.61	270.93	5556.49	1489.49	143.88	-1484.96	0.00	1908343.14	124790.68	N 36 14 17.18	W 107 31 20.30
	6900.00	91.61	270.93	5553.69	1589.42	145.51	-1584.91	0.00	1908346.07	124690.76	N 36 14 17.19	W 107 31 21.52
	7000.00	91.61	270.93	5550.89	1689.36	147.14	-1684.86	0.00	1908349.01	124590.83	N 36 14 17.21	W 107 31 22.74
	7100.00	91.61	270.93	5548.09	1789.29	148.77	-1784.80	0.00	1908351.94	124490.91	N 36 14 17.23	W 107 31 23.96
	7200.00	91.61	270.93	5545.28	1889.22	150.40	-1884.75	0.00	1908354.88	124390.99	N 36 14 17.24	W 107 31 25.18
	7300.00	91.61	270.93	5542.48	1989.16	152.03	-1984.70	0.00	1908357.82	124291.06	N 36 14 17.26	W 107 31 26.40
	7400.00	91.61	270.93	5539.68	2089.09	153.65	-2084.65	0.00	1908360.75	124191.14	N 36 14 17.27	W 107 31 27.62
	7500.00	91.61	270.93	5536.88	2189.02	155.28	-2184.59	0.00	1908363.69	124091.22	N 36 14 17.29	W 107 31 28.84
	7600.00	91.61	270.93	5534.08	2288.96	156.91	-2284.54	0.00	1908366.62	123991.29	N 36 14 17.31	W 107 31 30.06
	7700.00	91.61	270.93	5531.28	2388.89	158.54	-2384.49	0.00	1908369.56	123891.37	N 36 14 17.32	W 107 31 31.28
	7800.00	91.61	270.93	5528.48	2488.83	160.17	-2484.44	0.00	1908372.49	123791.45	N 36 14 17.34	W 107 31 32.50
	7900.00	91.61	270.93	5525.68	2588.76	161.80	-2584.38	0.00	1908375.43	123691.52	N 36 14 17.35	W 107 31 33.72
	8000.00	91.61	270.93	5522.87	2688.69	163.42	-2684.33	0.00	1908378.36	123591.60	N 36 14 17.37	W 107 31 34.94
	8100.00	91.61	270.93	5520.07	2788.63	165.05	-2784.28	0.00	1908381.30	123491.68	N 36 14 17.39	W 107 31 36.16
	8200.00	91.61	270.93	5517.27	2888.56	166.68	-2884.23	0.00	1908384.23	123391.75	N 36 14 17.40	W 107 31 37.38
	8300.00	91.61	270.93	5514.47	2988.49	168.31	-2984.17	0.00	1908387.17	123291.83	N 36 14 17.42	W 107 31 38.60
	8400.00	91.61	270.93	5511.67	3088.43	169.94	-3084.12	0.00	1908390.10	123191.91	N 36 14 17.43	W 107 31 39.82
	8500.00	91.61	270.93	5508.87	3188.36	171.56	-3184.07	0.00	1908393.04	123091.98	N 36 14 17.45	W 107 31 41.04
	8600.00	91.61	270.93	5506.07	3288.30	173.19	-3284.02	0.00	1908395.97	122992.06	N 36 14 17.47	W 107 31 42.26
	8700.00	91.61	270.93	5503.26	3388.23	174.82	-3383.96	0.00	1908398.91	122892.14	N 36 14 17.48	W 107 31 43.48
	8800.00	91.61	270.93	5500.46	3488.16	176.45	-3483.91	0.00	1908401.84	122792.21	N 36 14 17.50	W 107 31 44.70
	8900.00	91.61	270.93	5497.66	3588.10	178.07	-3583.86	0.00	1908404.77	122692.29	N 36 14 17.51	W 107 31 45.92
	9000.00	91.61	270.93	5494.86	3688.03	179.70	-3683.81	0.00	1908407.71	122592.37	N 36 14 17.53	W 107 31 47.14
	9100.00	91.61	270.93	5492.06	3787.96	181.33	-3783.75	0.00	1908410.64	122492.44	N 36 14 17.55	W 107 31 48.36
	9200.00	91.61	270.93	5489.26	3887.90	182.96	-3883.70	0.00	1908413.58	122392.52	N 36 14 17.56	W 107 31 49.58
	9300.00	91.61	270.93	5486.45	3987.83	184.58	-3983.65	0.00	1908416.51	122292.60	N 36 14 17.58	W 107 31 50.80
	9400.00	91.61	270.93	5483.65	4087.77	186.21	-4083.60	0.00	1908419.45	122192.67	N 36 14 17.59	W 107 31 52.02
	9500.00	91.61	270.93	5480.85	4187.70	187.84	-4183.54	0.00	1908422.38	122092.75	N 36 14 17.61	W 107 31 53.24
	9600.00	91.61	270.93	5478.05	4287.63	189.47	-4283.49	0.00	1908425.31	121992.82	N 36 14 17.63	W 107 31 54.46
	9700.00	91.61	270.93	5475.25	4387.57	191.09	-4383.44	0.00	1908428.25	121892.90	N 36 14 17.64	W 107 31 55.68
	9800.00	91.61	270.93	5472.45	4487.50	192.72	-4483.39	0.00	1908431.18	121792.98	N 36 14 17.66	W 107 31 56.90
	9900.00	91.61	270.93	5469.64	4587.43	194.35	-4583.33	0.00	1908434.12	121693.05	N 36 14 17.67	W 107 31 58.12
	10000.00	91.61	270.93	5466.84	4687.37	195.97	-4683.28	0.00	1908437.05	121593.13	N 36 14 17.69	W 107 31 59.34
	10100.00	91.61	270.93	5464.04	4787.30	197.60	-4783.23	0.00	1908439.98	121493.21	N 36 14 17.71	W 107 32 0.56
	10200.00	91.61	270.93	5461.24	4887.23	199.23	-4883.18	0.00	1908442.92	121393.28	N 36 14 17.72	W 107 32 1.78
	10300.00	91.61	270.93	5458.44	4987.17	200.85	-4983.12	0.00	1908445.85	121293.36	N 36 14 17.74	W 107 32 3.00
	10400.00	91.61	270.93	5455.63	5087.10	202.48	-5083.07	0.00	1908448.78	121193.44	N 36 14 17.75	W 107 32 4.22
Chaco 2306-07L #182H BHL	10458.35	91.61	270.93	5454.00	5145.42	203.43	-5141.39	0.00	1908450.50	121135.13	N 36 14 17.76	W 107 32 4.93

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	14.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Original Hole / Chaco 2306-07L #182H R0 mdv 15Jan14
	1	14.000	10458.353	1/100.000	30.000	30.000	SLB_MWD-STD	Original Hole / Chaco 2306-07L #182H R0 mdv 15Jan14

1. INTRODUCTION

WPX Energy Production, LLC (WPX) is providing this Surface Use Plan of Operations (SUPO) to the Bureau of Land Management – Farmington Field Office (BLM-FFO) as part of their Chaco 2306-07L No. 182H (182H) Application for Permit to Drill (APD). This SUPO is provided per Onshore Oil and Gas Order No. 1.

The 182H oil and natural gas well will be twinned with the Chaco 2306-07L No. 183H (183H) well. The 183H project has been permitted (American Petroleum Institute [API] No. 30-039-31191). The 183H well pad will be expanded to accommodate the twin and the 183H access road will be slightly modified to accommodate the well pad expansion area. According to the BLM-FFO, the 182H well pad expansion area and slight access road modification will be approved under a Determination of NEPA [National Environmental Policy Act] Adequacy, and the 182H well will be permitted by an approved APD. If the two potential, previously disturbed staging areas are used for the proposed project, they will be permitted via an existing agreement that WPX has in place with the operators.

As of January 2014, the 183H well has not been drilled and the previously permitted 183H access road and well pad have not been constructed. As a result, the “proposed project” and “proposed project area” in this SUPO will describe the 182H and 183H as a collective project.

A pre-disturbance onsite meeting was held for the permitted 183H project on December 18, 2012. A pre-disturbance onsite meeting was held for the proposed 182H project on September 19, 2013. The BLM, WPX, and an environmental consultant (Nelson Consulting, Inc.) attended both of these pre-disturbance onsite meetings.

In addition to the best management practices (BMPs) provided below and in the Surface Reclamation Plan (Reclamation Plan; Appendix A), the general Conditions of Approval will be followed, if any are attached to the approved 182H APD.

2. PROJECT LOCATION AND DESCRIPTION

2.1. Project Location

The proposed project area is located in Rio Arriba County, New Mexico. The proposed project area is located approximately 49 miles south-southeast of the town of Bloomfield, New Mexico. To access the proposed project area, head south from the U.S. Highway 550-U.S. Highway 64 intersection for approximately 49 miles, turn left onto County Road 378 for less than 1 mile, turn right to follow an unnamed, existing road for approximately 2 miles, and turn right to follow an unnamed, existing road for approximately 1 mile until reaching the proposed access road. The access route from U.S. Highway 550 is depicted on Figure B.1 (Appendix B) and on the construction plats provided in the 182H APD permit package.

The legal location of the proposed project area is described in the below table (New Mexico Principal Meridian [NMPM]).

Table 1. Legal Land Description for the Proposed Project

Township, Range	Section	Quarter-Quarter	Project Feature
Township 23 North, Range 6 West	7	northwestern ¼ southwestern ¼	proposed project area & potential staging area
Township 23 North, Range 7 West	12	western ½ northwestern ¼	potential staging area

The proposed project area will be leveled with a D-8 bulldozer to provide space and a level surface for vehicles and equipment. Excavated materials from the cuts will be used on the fill portions of the location to level the well pad area. Approximately 12 feet of cut and 16 feet of fill will be needed to create a level well pad. No additional materials will be required for construction of the well pad.

Within the potential staging areas, vegetation (if present) will be mown. Topsoil will not be removed.

Construction plats are provided in the APD permit packages.

Within 90 days of installation, aboveground structures not subject to safety requirements will be painted Juniper Green to blend with the surrounding landscape and reduce visual resource impacts.

9. METHODS FOR HANDLING WASTE DISPOSAL

- ✓ Drilling operations will utilize a closed-loop system. Drilling of the horizontal lateral may be done with water-based mud. All water-based mud cuttings will be hauled to a commercial disposal facility or land farm.

The drilling operations area will be enclosed by a containment berm and ditches, which will drain to sump areas for spill prevention and control. The containment berm will be ramped to allow access to the solids control area.

WPX will follow New Mexico Oil Conservation Division "Pit Rule" guidelines and Onshore Order Nos. 1 and 7 regarding the placement, operation, and closure of any reserve pits or closed-loop systems. No blow pit will be used.

As stated in the Reclamation Plan (Appendix A), if drilling has not been initiated on the well pad within 120 days of the well pad being constructed, WPX will submit a site-stabilization plan to the BLM-FFO.

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.

Portable toilets will be provided and maintained during construction, as needed.

10. ANCILLARY FACILITIES

Pipelines will be permitted and constructed at a later date.

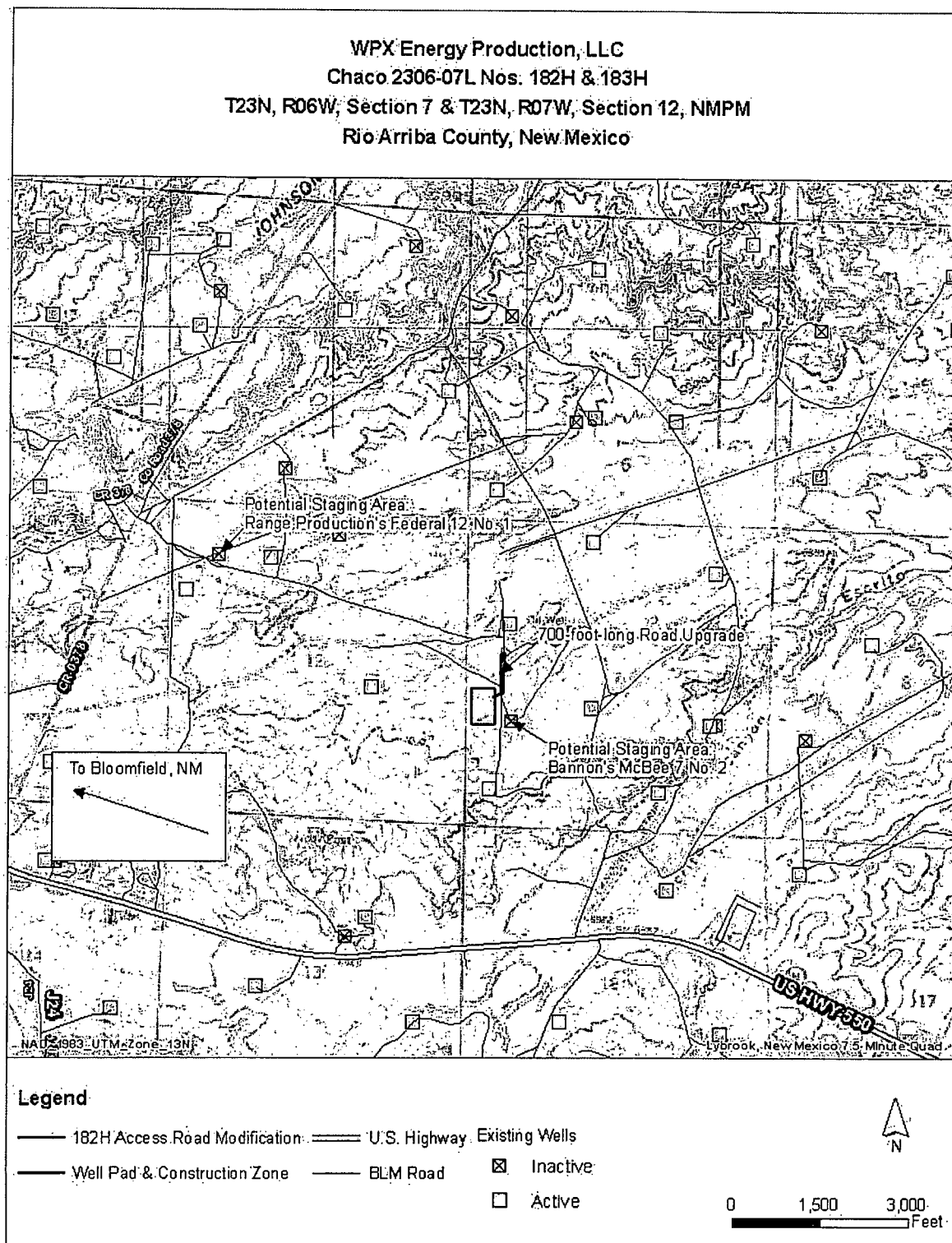
Two potential staging areas will be utilized for the proposed project. These potential staging areas are provided below.

- Bannon's McBee 7 No. 2 reclaimed well pad: This well pad is located approximately 150 feet east of the proposed project area. During staging, WPX will stay within the boundaries of the well pad area.
- Range Production's Federal 12 No. 1 inactive, unreclaimed well pad: This well pad is located approximately 4,900 feet northwest of the proposed project area. This staging area was previously approved for WPX's permitted 168H/169H project. During staging, WPX will stay within the boundaries of the well pad area.

During interim reclamation, WPX will repair any damage to the staging areas and will reseed the staging areas. The staging areas will be recontoured during interim reclamation, if required by the BLM. Reclamation is described further in the Surface Reclamation Plan (Appendix A).

The potential staging areas are depicted in Appendix B (Figures B.1 and B.2).

B.1. Location of Potential Staging Areas and Access to Proposed Project Area



01/16/2014

