

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised November 14, 2012

Energy Minerals and Natural Resources

Oil Conservation Division

AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

RCVD AUG 29 '13
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address WPX Energy Production, LLC P.O. Box 640 Aztec, NM 87410		² OGRID Number 120782
		³ API Number 30-043-21169
⁴ Property Code 39908	⁵ Property Name Chaco 2206-02H	⁶ Well No. 226H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	2	22N	6W		1689	North	276	East	Sandoval

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	2	22N	6W		1530	North	280	West	Sandoval

⁹ Pool Information

Pool Name Lybrook Gallup	Pool Code 42289
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Additional Well Information

¹¹ Work Type N	¹² Well Type O	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 6949'
¹⁶ Multiple No	¹⁷ Proposed Depth 10,091' MD / 5,311' TVD	¹⁸ Formation Gallup	¹⁹ Contractor AWS	²⁰ Spud Date 10/01/13
Depth to Ground water +/- 50'	Distance from nearest fresh water well >1000'		Distance to nearest surface water >1000	

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
J-55	12-1/4"	9-5/8"	36#	400'	190	Surface
K-55	8-3/4"	7"	23#	5,720'	1050	Surface
N-80	6-1/8"	4-1/2"	11.6#	10,091'	420	5,440'

Casing/Cement Program: Additional Comments

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

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000#	2000#	

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.

Signature: *Larry Higgins*

Printed name: Larry Higgins

Title: Permit Supervisor

E-mail Address: larry.higgins@wpxenergy.com

Date: 08/28/13

Phone: 333-1808

OIL CONSERVATION DIVISION

Approved By:

Charlie Herin 9-5-2013

Title:

SUPERVISOR DISTRICT 3

Approved Date: SEP 05 2013

Expiration Date: SEP 05 2015

Conditions of Approval Attached

MSL *

SEP 05 2013 ca

AV

HOLD ON THE

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

Hold C104 for Directional Survey and "As Drilled" plat

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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21169		² Pool Code 42289	³ Pool Name LYBROOK GALLUP
⁴ Property Code 39908	⁵ Property Name CHACO 2206-02H		⁶ Well Number 226H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC		⁹ Elevation 6949'

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
H	2	22N	6W		1689	NORTH	276	EAST	SANDOVAL

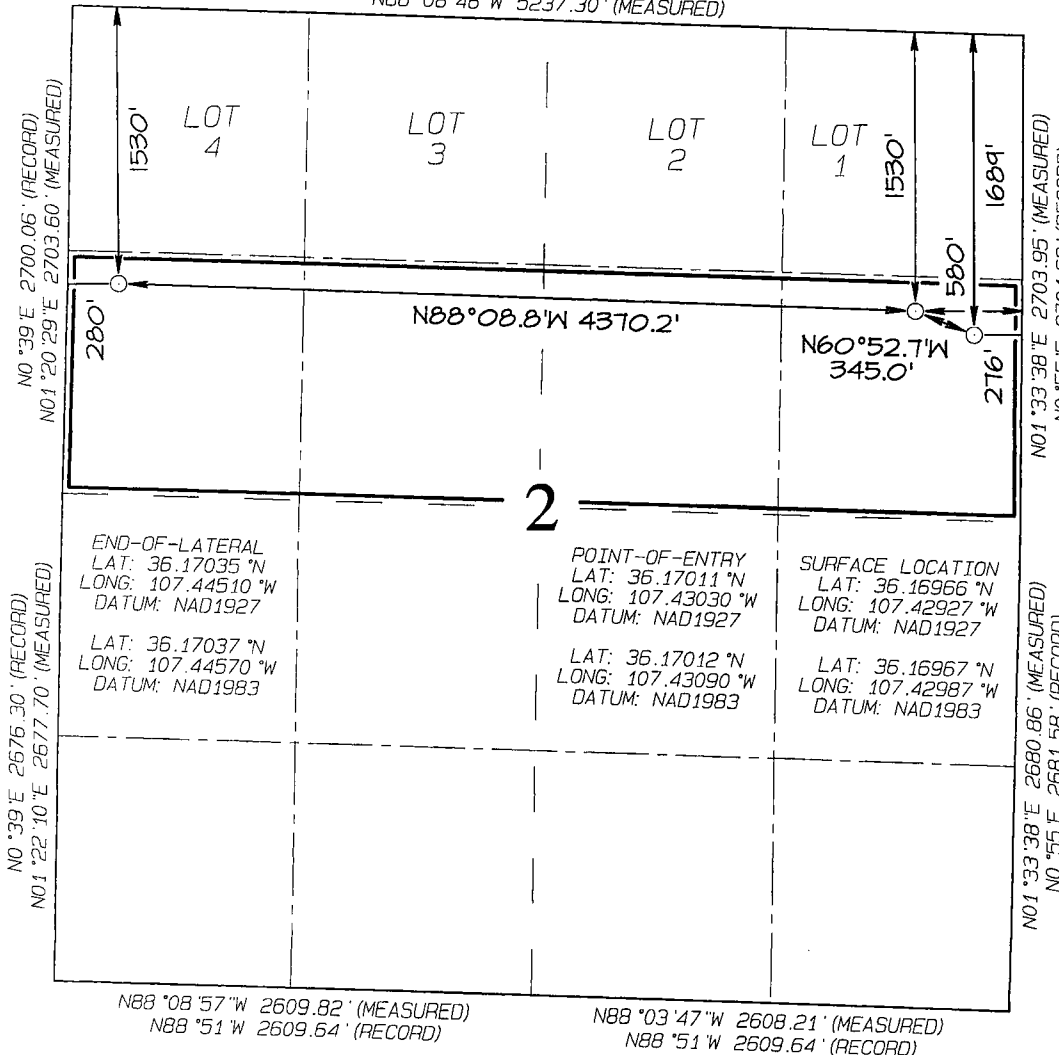
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	2	22N	6W		1530	NORTH	280	WEST	SANDOVAL

¹² Dedicated Acres 160.0 Acres - (S/2 N/2)	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

N88°52'W 5239.08' (RECORD)
N88°08'46"W 5237.30' (MEASURED)



¹⁷ OPERATOR CERTIFICATION

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

Larry Higgins 8/25/13
Signature Date

Larry Higgins
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: AUGUST 27, 2013
Date of Survey: JUNE 8, 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: 8/8/13 **FIELD:** Lybrook Gallup

WELL NAME: Chaco 2206-02H #226H **SURFACE:** State

SH Location: SENE Sec 2-22N-6W **ELEVATION:** 6,949' GR

BH Location: SWNW Sec 2-22N-6W **MINERALS:** State
Sandoval Co, NM

MEASURED DEPTH: 10,091' **LEASE #:** V09209

I. GEOLOGY: Surface formation – San Jose

A. FORMATION TOPS: (KB)

Name	MD	TVD	Name	MD	TVD
Ojo Alamo	1,303	1,301	Point Lookout	4,111	4,099
Kirtland	1,584	1,581	Mancos	4,300	4,288
Pictured Cliffs	1,839	1,835	Kickoff Point	4,891	4,879
Lewis	1,953	1,948	Target Top	5,486	5,352
Chacra	2,268	2,262	Landing Point	5,720	5,400
Cliff House	3,382	3,372	Target Base	5,720	5,400
Menefee	3,413	3,403			
			TD	10,091	5,311

B. MUD LOGGING PROGRAM: Mudlogger on location from surface csg to TD.

C. LOGGING PROGRAM: LWD GR from KOP to TD. LWD GR / 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 and the 8 3/4” Directional Vertical hole and drill the curve portion of the wellbore. (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 1500 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 vertically/directionally drilled as per attached Directional Plan to +/- 4,891’ MD. The 8-3/4 in. Curve portion of wellbore will be drilled and landed at +/- 90 deg. at +/- 5,720’ (MD) +/-5,400’ (TVD). 7 in. csg will be set at this point. Will drill the lateral (6-1/8 in. hole) as per the attached Directional Plan to +/- 10,091’(MD) +/- 5,311’ (TVD). Will run 4-1/2 in. Production Casing to TD and Cement.

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

Surface		12.25"		400'+		9 5/8		36#	J-55
Intermediate		8.75"		5,720'		7		23#	K-55
Longstring		6.125"		10,091'		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 CASING:** Run 4-1/2" casing with cement nose guide Float Shoe + 1 joint 4-1/2" csg.+ Float Collar. Centralizer program will be determined when Lateral is evaluated by Geoscientists and Reservoir Engineers.

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 (Yield :1.43 cu-ft/ sk. / Vol: 1216 cu-ft) + 0.1% Halad 766 + 0.2% Versaset + 1.5% Chem-Foamer 760 / TOTETANK + TAIL: 100 sx 13.5 #/gal. (Yield: 1.28 cu-ft / sk / Vol: 128 cu-ft) + 0.2% Versaset + 0.15% HALAD-766. + F. Water Displacement (1,511 cu-ft) + 100 sx Top-Out Cement Premium: Yield: (1.17 cu-ft/ sk (Vol: 117 cu-ft). Est TOC: Surface. Test Casing to 1500 PSI for 30 minutes. Total Volume: (2021 cu-ft/1050 sx/260 bbls).
3. **PRODUCTION CASING:** **STAGE 1:** 40 bbl (224.6 cu-ft) KCL water Spacer + **STAGE 2:**10 bbl (56.cu-ft) Fr Water Spacer.+ **STAGE 3:**40 bbl 10 ppg (224.6 cu-ft) Tuned Spacer III + 0.2 gal/bbl Musol + 38.7 ppb Barite + 0.5 gal/bbl SEM-7. + **STAGE 4:** 10 bbl Fr Water Spacer.+ **STAGE 5:** Lead Cement, 70 sx Premium cmt + 0.1% Halad-766, Yield 1.16 cu ft/sk, 15.8 #/gal, (70 sx / 81.2 cu ft. / 14.46 bbls) **STAGE 6:** Foamed Lead Cement: 240 sx. 50/50 Poz Standard + 0.2% Versaset + 0.2% HALAD-766 + 1.5% Chem-Foamer 760. Yield 1.43 cu-ft/sk ,13.0 ppg. (240sx / 343.2 cu-ft / 61.1bbls) + **STAGE 7:** Tail Cement : 110 sx 50/50 Poz Premium + 0.2% Versaset + .05% HALAD-766 + .05% SA-1015,Yield 1.3 cu-ft/sk,13.5 ppg. (110 sx / 143 cu ft. / 25.46 bbls) **STAGE 8:** Displace w/+/-162 bbl KCL Water. Total Cement (420 sx / 568.5 cu ft / 101.2 bbls). Mix w/ +/- 98,000 SCF Nitrogen. Est. TOC +/- 5,440 ft. Total Volume: (567.4 cu-ft / 420 sx / 101.1 bbls).

IV. COMPLETION**A. CBL**

1. Run Cement Bond Log and ensure top of cement is above 7" casing shoe.

B. PRESSURE TEST

1. Pressure test 4-1/2" casing to 5000 psi max, hold at 1500 psi for 30 minutes.

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 with CTU and flowback lateral.

D. RUNNING TUBING

1. Production Tubing: Run 2-3/8", 4.7#, N-80, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing at landing point of curve (~5,500' 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.
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WELL Chaco 2206-02H #226H	FIELD NM Sandoval County NAD27	STRUCTURE Sec 2-22N-6W
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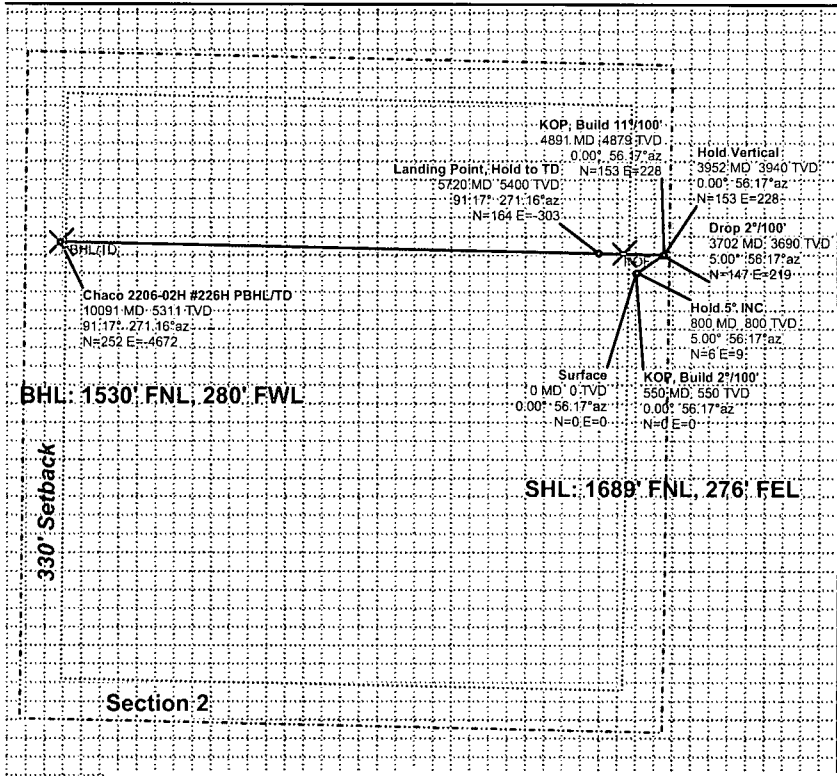
Magnetic Parameters Model: BGM 2013 Dip: 62.99° Mag Dec: 9.463°	Date: August 07, 2013 FS: 50182.5m	Surface Location Lat: N 36 10 10.778 Lon: W 107 25 45.372	NAD27 New Mexico State Plane, Central Zone, US Feet Northing: 183380.11 NUS Easting: 151925.48 NUS Grid Conv: -0.696° Scale Fact: 1.00003894	Miscellaneous Site: Chaco 2206-02H #226H Plan: RD mdr 7/Aug13	TVD Ref: R(R)5963ft above MSL) Srvy Date: August 07, 2013
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Proposal

<<< W Scale = 1:1500(ft) E >>>
-4500 -3000 -1500 0 1500



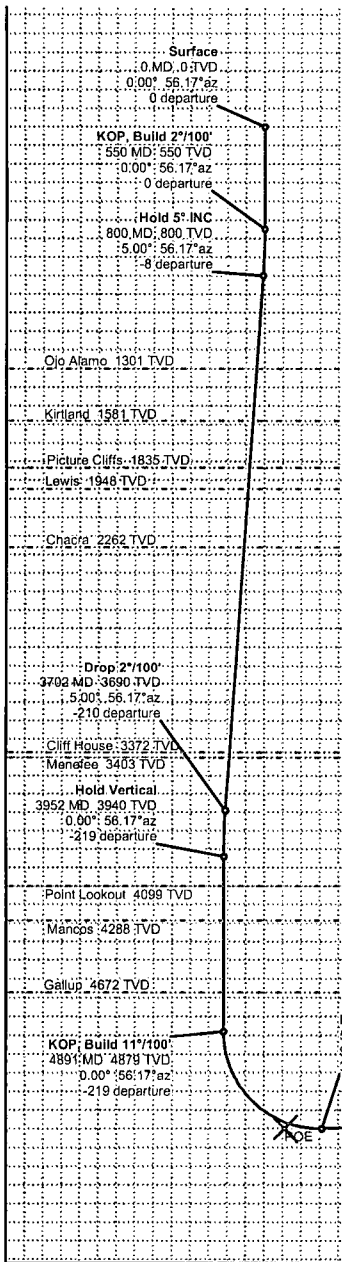
True North
Tot Corr (M->T 9.4630°)
Mag Dec (9.463°)
Grid Conv (-0.696°)



1500
0
-1500
-3000

<<< S Scale = 1:1500(ft) N >>>

TVD Scale = 1:1000(ft)



Critical Point	MD	INCL	AZIM	TYD	YSEC	N(±)/S(±)	E(±)/W(±)	DLS
Surface	0.00	0.00	56.17	0.00	0.00	0.00	0.00	
KOP, Build 2°/100'	550.00	0.00	56.17	550.00	0.00	0.00	0.00	0.00
Hold 5° INC	800.14	5.00	56.17	799.82	-8.73	6.08	9.07	2.00
Drop 2°/100'	3701.55	5.00	56.17	3690.18	-211.02	146.92	219.25	0.00
Hold Vertical	3951.69	0.00	56.17	3940.00	-219.75	153.00	228.32	2.00
KOP, Build 11°/100'	4890.92	0.00	56.17	4879.23	-219.75	153.00	228.32	0.00
Landing Point, Hold to TD	5719.70	91.17	271.16	5399.99	311.43	163.74	-303.05	11.00
Chaco 2206-02H #226H PBHL/TD	10090.61	91.17	271.16	5311.00	4678.94	252.01	-4672.15	0.00

Quality Control
Date Drawn: August 07, 2013
04:15:47 PM
Drawn by: Matt VanderSchaaf
Checked by:
Client OK:

Vertical Section (ft) Azim = 273.09° Scale = 1:1000(ft) Origin = 0 N/S, 0 E/W

Chaco 2206-02H #226H R0 mdv 7Aug13 Proposal Geodetic Report (Def Plan)

Report Date: August 07, 2013 - 04:14 PM
Client: WPX Energy
Field: NM Sandoval County NAD27
Structure / Slot: WPX Sec 2-22N-8W (Chaco 2206-02H #226H) / Chaco 2206-02H #226H
Well: Chaco 2206-02H #226H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2206-02H #226H R0 mdv 7Aug13
Survey Date: August 07, 2013
Tort / AHD / DDI / ERD Ratio: 101.172 * / 5176.316 ft / 5.991 / 0.959
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 10' 10.77600", W 107° 25' 45.37200"
Location Grid N/E Y/X: N 1883080.109 ftUS, E 151925.458 ftUS
CRS Grid Convergence Angle: -0.6960°
Grid Scale Factor: 1.00003864
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 273.087° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6963.000 ft above MSL
Seabed / Ground Elevation: 6949.000 ft above MSL
Magnetic Declination: 9.463°
Total Gravity Field Strength: 998.4846mgn (9.80665 Based)
Total Magnetic Field Strength: 50182.489 nT
Magnetic Dip Angle: 62.991°
Declination Date: August 07, 2013
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000°
Total Corr Mag North->True North: 9.4630°
Local Coord Referenced To: Well Head

Table with columns: 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 ° ' "). Rows include surface data, KOP Build 2"/100', Hold 5" INC, Drop 2"/100', Hold Vertical, KOP Build 11"/100', and Landing Point, Hold to TD.

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 ° ' ")
	7100.00	91.17	271.16	5371.89	1690.65	191.61	-1682.78	0.00	1883292.16	150245.07	N 36 10 12.67	W 107 26 5.89
	7200.00	91.17	271.16	5369.85	1790.58	193.63	-1782.74	0.00	1883295.39	150145.14	N 36 10 12.69	W 107 26 7.11
	7300.00	91.17	271.16	5367.82	1890.50	195.65	-1882.69	0.00	1883298.62	150045.21	N 36 10 12.71	W 107 26 8.33
	7400.00	91.17	271.16	5365.78	1990.42	197.67	-1982.65	0.00	1883301.86	149945.28	N 36 10 12.73	W 107 26 9.55
	7500.00	91.17	271.16	5363.74	2090.34	199.69	-2082.61	0.00	1883305.09	149845.35	N 36 10 12.75	W 107 26 10.77
	7600.00	91.17	271.16	5361.71	2190.27	201.71	-2182.57	0.00	1883308.32	149745.42	N 36 10 12.77	W 107 26 11.99
	7700.00	91.17	271.16	5359.67	2290.19	203.73	-2282.53	0.00	1883311.56	149645.49	N 36 10 12.79	W 107 26 13.21
	7800.00	91.17	271.16	5357.64	2390.11	205.75	-2382.49	0.00	1883314.79	149545.56	N 36 10 12.81	W 107 26 14.43
	7900.00	91.17	271.16	5355.60	2490.03	207.77	-2482.45	0.00	1883318.03	149445.63	N 36 10 12.83	W 107 26 15.65
	8000.00	91.17	271.16	5353.56	2589.96	209.79	-2582.41	0.00	1883321.26	149345.70	N 36 10 12.85	W 107 26 16.87
	8100.00	91.17	271.16	5351.53	2689.88	211.81	-2682.37	0.00	1883324.49	149245.77	N 36 10 12.87	W 107 26 18.09
	8200.00	91.17	271.16	5349.49	2789.80	213.83	-2782.32	0.00	1883327.73	149145.83	N 36 10 12.89	W 107 26 19.30
	8300.00	91.17	271.16	5347.46	2889.72	215.84	-2882.28	0.00	1883330.96	149045.90	N 36 10 12.91	W 107 26 20.52
	8400.00	91.17	271.16	5345.42	2989.65	217.86	-2982.24	0.00	1883334.19	148945.97	N 36 10 12.93	W 107 26 21.74
	8500.00	91.17	271.16	5343.38	3089.57	219.88	-3082.20	0.00	1883337.43	148846.04	N 36 10 12.95	W 107 26 22.96
	8600.00	91.17	271.16	5341.35	3189.49	221.90	-3182.16	0.00	1883340.66	148746.11	N 36 10 12.97	W 107 26 24.18
	8700.00	91.17	271.16	5339.31	3289.41	223.92	-3282.12	0.00	1883343.90	148646.18	N 36 10 12.99	W 107 26 25.40
	8800.00	91.17	271.16	5337.28	3389.34	225.94	-3382.08	0.00	1883347.13	148546.25	N 36 10 13.01	W 107 26 26.62
	8900.00	91.17	271.16	5335.24	3489.26	227.96	-3482.04	0.00	1883350.36	148446.32	N 36 10 13.03	W 107 26 27.84
	9000.00	91.17	271.16	5333.20	3589.18	229.98	-3581.99	0.00	1883353.60	148346.39	N 36 10 13.05	W 107 26 29.06
	9100.00	91.17	271.16	5331.17	3689.11	232.00	-3681.95	0.00	1883356.83	148246.46	N 36 10 13.07	W 107 26 30.28
	9200.00	91.17	271.16	5329.13	3789.03	234.02	-3781.91	0.00	1883360.06	148146.53	N 36 10 13.09	W 107 26 31.50
	9300.00	91.17	271.16	5327.10	3888.95	236.04	-3881.87	0.00	1883363.30	148046.60	N 36 10 13.11	W 107 26 32.71
	9400.00	91.17	271.16	5325.06	3988.87	238.06	-3981.83	0.00	1883366.53	147946.67	N 36 10 13.13	W 107 26 33.93
	9500.00	91.17	271.16	5323.02	4088.80	240.08	-4081.79	0.00	1883369.77	147846.74	N 36 10 13.15	W 107 26 35.15
	9600.00	91.17	271.16	5320.99	4188.72	242.10	-4181.75	0.00	1883373.00	147746.81	N 36 10 13.17	W 107 26 36.37
	9700.00	91.17	271.16	5318.95	4288.64	244.12	-4281.71	0.00	1883376.23	147646.88	N 36 10 13.19	W 107 26 37.59
	9800.00	91.17	271.16	5316.92	4388.56	246.14	-4381.67	0.00	1883379.47	147546.94	N 36 10 13.21	W 107 26 38.81
	9900.00	91.17	271.16	5314.88	4488.49	248.16	-4481.62	0.00	1883382.70	147447.01	N 36 10 13.23	W 107 26 40.03
	10000.00	91.17	271.16	5312.84	4588.41	250.18	-4581.58	0.00	1883385.93	147347.08	N 36 10 13.25	W 107 26 41.25
Chaco 2206-02H #226H PBHL/TD	10090.61	91.17	271.16	5311.00	4678.94	252.01	-4672.15	0.00	1883388.86	147256.54	N 36 10 13.26	W 107 26 42.35

Survey Type: Def Plan

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

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	14.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Original Hole / Chaco 2206-02H #226H R0 mdv 7Aug13
	14.000	10090.605	1/100.000	30.000	30.000	SLB_MWD-STD	Original Hole / Chaco 2206-02H #226H R0 mdv 7Aug13