

Submit 1 Copy To Appropriate District
Office:
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-31205
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator WPX ENERGY PRODUCTION, LLC.		6. State Oil & Gas Lease No. E012079
3. Address of Operator 721 SOUTH MAIN AZTEC NM		7. Lease Name or Unit Agreement Name 132829
4. Well Location Unit Letter _____: 1390' _____ feet from the SOUTH _____ line and 369' _____ feet from the WEST _____ line Section 16 Township 23N Range 6W NMPM County RIO ARRIBA		8. Well Number NE CHACO COM #244H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6859'		9. OGRID Number 120782
		10. Pool name or Wildcat Chaco Unit NE HZ

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: CHANGE OF PLANS ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Due to lateral re-planning WPX would like to submit the updated Directional, Ops and C102 to reflect the changes. Attached are the corrected plans and C102.

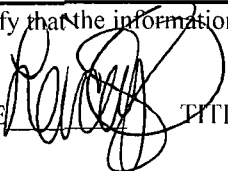
OIL CONS. DIV DIST. 3

MAR 31 2015

Spud Date: 3/23/15

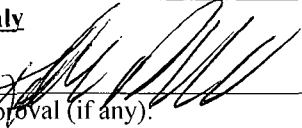
Rig Release Date:

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

SIGNATURE  TITLE PERMIT TECH III DATE 3/31/15

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY:  TITLE DEPUTY OIL & GAS INSPECTOR DISTRICT #3 DATE APR 17 2015

Conditions of Approval (if any):

N

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
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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

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

*API Number 20-039-31015		*Pool Code 98088	*Pool Name CHACO UNIT NE HZ (OIL)
*Property Code 313800	*Property Name NE CHACO COM		*Well Number 244H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6858'

¹⁰ Surface Location

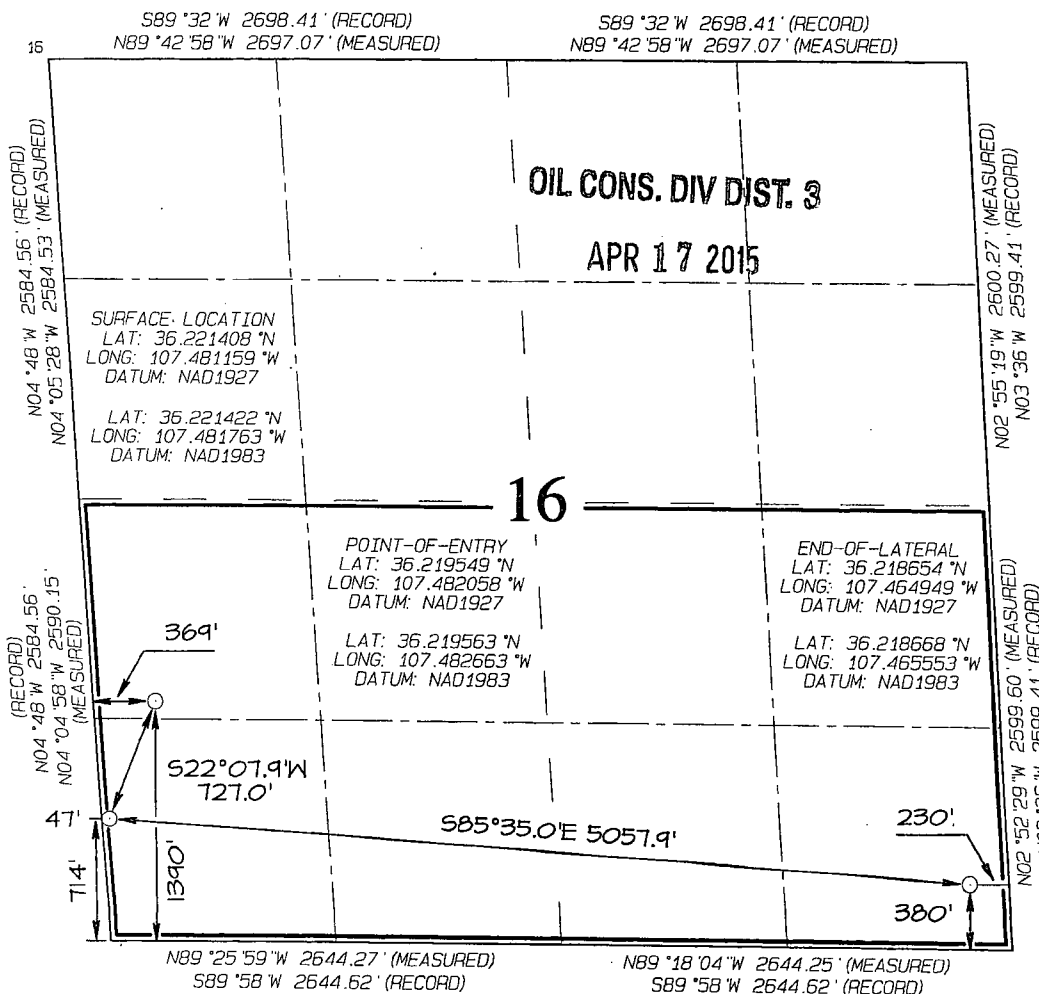
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	23N	6W		1390	SOUTH	369	WEST	RIO ARriba

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
P	16	23N	6W		380	SOUTH	230	EAST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13817-A CA#132829
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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



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.

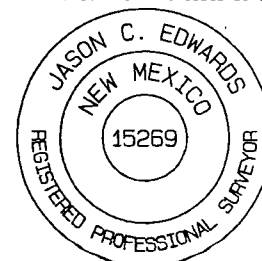
Signature: *[Signature]* Date: 4/17/15
Printed Name: Lacey Granillo
E-mail Address: lacey.granillo@wpxenergy.com

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: NOVEMBER 6, 2014
Survey Date: SEPTEMBER 4, 2013

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: 03/31/15 **FIELD:** Basin Mancos

WELL NAME: Chaco 2306-16L #244H **SURFACE:** State

SH Location: NWSW Sec 16-23N-6W **ELEVATION:** 6,859' GR

BH Location: SESE Sec 16-23N-6W
Rio Arriba Co, NM **MINERALS:** State

MEASURED DEPTH: 11,094' **LEASE #:** E1207-9

I. GEOLOGY: Surface formation – San Jose

A. FORMATION TOPS: (KB)

Name	MD	TVD	Name	MD	TVD
Ojo Alamo	1,342	1,332	Point Lookout	4,285	4,173
Kirtland	1,469	1,455	Mancos	4,491	4,372
Pictured Cliffs	1,929	1,899	Kickoff Point	4,814	4,670
Lewis	1,967	1,935	Target Top	5,648	5,382
Chacra	2,265	2,223	Landing Point	6,033	5,482
Cliff House	3,510	3,425	Target Base	6,033	5,482
Menefee	3,534	3,448			
			TD	11,094	5,425

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 +/- 4,814' (MD) / 4,670' (TVD). Curve portion of wellbore will be drilled and landed at +/- 90 deg. at +/- 6,033' (MD) / 5,482' (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 +/- 11,094' (MD) / 5,414' (TVD). Will run 4-1/2 in. Production Liner from +/- 5,883 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"	320'	9.625"	36#	J-55
Intermediate	8.75"	6,033'	7"	23#	K-55
Prod. Liner	6.125"	5,901' - 11,094'	4-1/2"	11.6#	N-80
Tie-Back String	N/A	Surf. - 5,883'	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:** 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: 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 +/- 5,594 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. 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

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 (~5,700' 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 6,044 ft. MD) with a Liner Hanger and pack-off assembly then cemented to +/- 300 ft above the liner hanger. TOL will be +/- 5,894 ft. (MD) +/- 77 degree angle. TOC: +/- 5,594 ft. (MD).

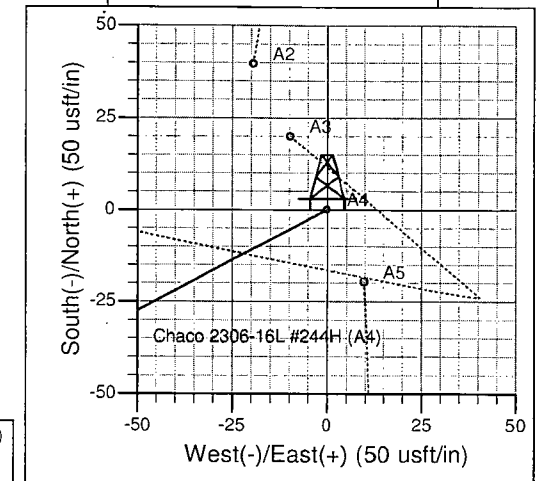
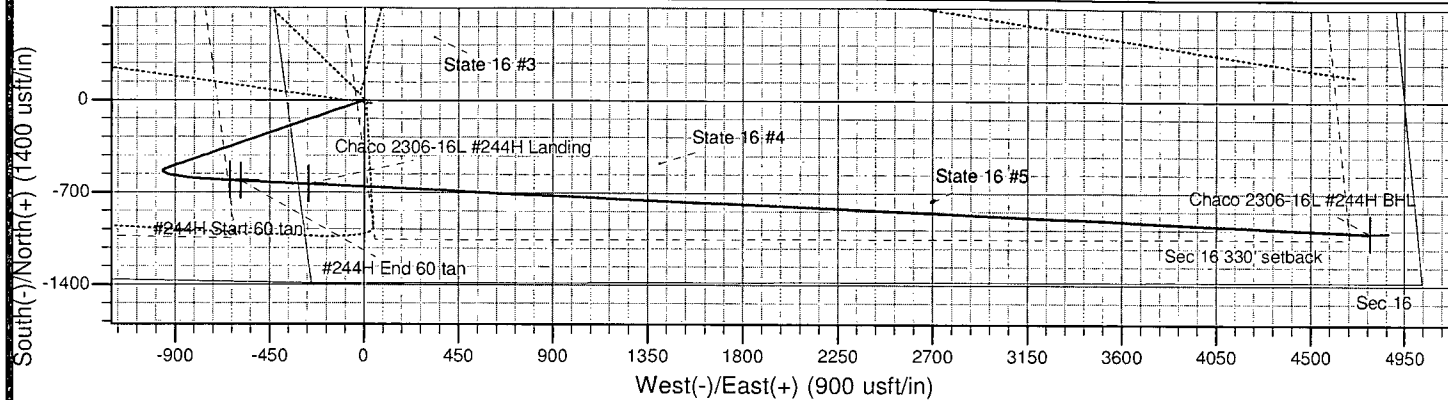
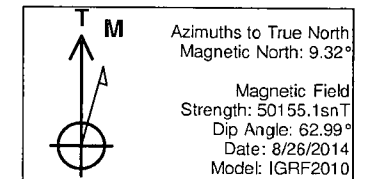
After cementing and TOL clean up operations are complete, the TOL will be tested to 1500 psi (per BLM).

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.

After Stimulation and Testing operations are complete the 4-1/2" tie-back string will be removed from the well.

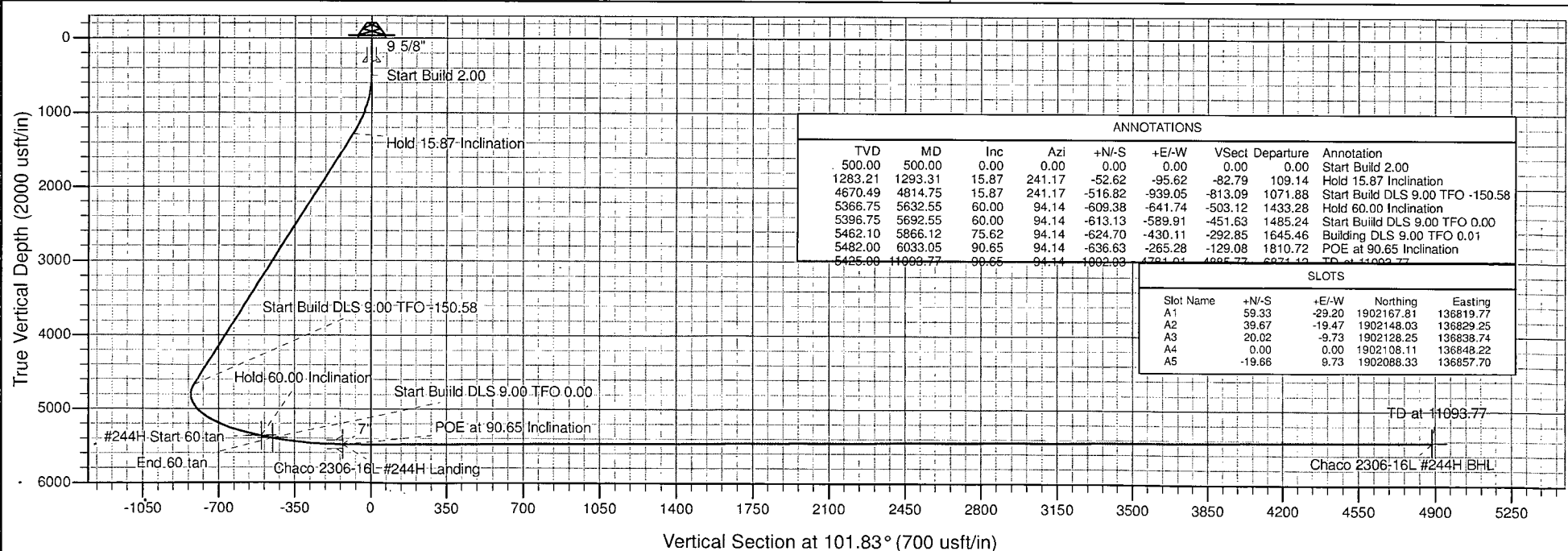


Well Name: Chaco 2306-16L #244H
 Surface Location: Chaco 2306-16L
 NAD 1927 (NADCON CONUS) , US State Plane 1927 (Exact solution) New Mexico Central 3002
 Ground Elevation: 6861.00
 +N/-S 0.00 +E/-W 0.00 Northing 1902108.11 Easting 136848.22 Latitude 36.2214080 Longitude -107.4811590 Slot A4
 KB @ 6886.00usft (Aztec 1000)



Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Chaco 2306-16L #244H Start 60 tan	5366.75	-609.38	-641.74	1901506.90	136198.76	36.2197341	-107.4833344	Point
Chaco 2306-16L #244H End 60 tan	5396.75	-613.13	-589.91	1901502.49	136250.54	36.2197238	-107.4831587	Point
Chaco 2306-16L #244H Landing	5482.00	-636.63	-265.28	1901474.87	136574.86	36.2196592	-107.4820583	Point
Chaco 2306-16L #244H BHL	5425.00	-1002.03	4781.91	1901045.38	141617.26	36.2186544	-107.4649491	Point

Project: T23N R6W (NM Central)
 Site: Chaco 2306-16L
 Well: Chaco 2306-16L #244H
 Design #1 27Mar15 sam



WPX Energy

T23N R6W (NM Central)

Chaco 2306-16L

Chaco 2306-16L #244H - Slot A4

Wellbore #1

Plan: Design #1 27Mar15 sam

Standard Planning Report

28 March, 2015

WPX Planning Report

Database:	COMPASS-SANJUAN	Local Co-ordinate Reference:	Well Chaco 2306-16L #244H (A4) - Slot A4
Company:	WPX Energy	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Project:	T23N R6W (NM Central)	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	North Reference:	True
Well:	Chaco 2306-16L #244H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 27Mar15 sam		

Project	T23N R6W (NM Central)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	Chaco 2306-16L		
Site Position:		Northing:	1,902,127.16 usft
From:	Lat/Long	Easting:	136,839.32 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Grid Convergence:	-0.73 °

Well	Chaco 2306-16L #244H - Slot A4		
Well Position	+N-S	-18.93 usft	Northing:
	+E-W	9.15 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Ground Level:	6,861.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	8/26/2014	9.32
			Dip Angle
			(°)
			Field Strength
			(nT)
			50,155

Design	Design #1 27Mar15 sam		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			101.83

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,293.31	15.87	241.17	1,283.21	-52.62	-95.62	2.00	2.00	0.00	241.17	
4,814.75	15.87	241.17	4,670.49	-516.82	-939.05	0.00	0.00	0.00	0.00	
5,632.55	60.00	94.14	5,366.75	-609.38	-641.74	9.00	5.40	-17.98	-150.58	Chaco 2306-16L #244
5,692.55	60.00	94.14	5,396.75	-613.13	-589.91	0.00	0.00	0.00	0.00	Chaco 2306-16L #244
5,866.12	75.62	94.14	5,462.10	-624.70	-430.11	9.00	9.00	0.00	0.00	
6,033.05	90.65	94.14	5,482.00	-636.63	-265.28	9.00	9.00	0.00	0.01	Chaco 2306-16L #244
11,093.77	90.65	94.14	5,425.00	-1,002.03	4,781.91	0.00	0.00	0.00	0.00	Chaco 2306-16L #244

WPX
Planning Report

Database:	COMPASS-SANJUAN	Local Co-ordinate Reference:	Well Chaco 2306-16L #244H (A4) - Slot A4
Company:	WPX Energy	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Project:	T23N R6W (NM Central)	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	North Reference:	True
Well:	Chaco 2306-16L #244H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 27Mar15 sam		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320.00	0.00	0.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,000.00	10.00	241.17	997.47	-20.99	-38.13	-33.01	2.00	2.00	0.00
1,293.31	15.87	241.17	1,283.21	-52.62	-95.62	-82.79	2.00	2.00	0.00
Hold 15.87 Inclination									
1,500.00	15.87	241.17	1,482.03	-79.87	-145.12	-125.66	0.00	0.00	0.00
2,000.00	15.87	241.17	1,962.98	-145.78	-264.88	-229.35	0.00	0.00	0.00
2,500.00	15.87	241.17	2,443.93	-211.69	-384.64	-333.04	0.00	0.00	0.00
3,000.00	15.87	241.17	2,924.88	-277.60	-504.39	-436.74	0.00	0.00	0.00
3,500.00	15.87	241.17	3,405.83	-343.51	-624.15	-540.43	0.00	0.00	0.00
4,000.00	15.87	241.17	3,886.78	-409.42	-743.91	-644.13	0.00	0.00	0.00
4,500.00	15.87	241.17	4,367.73	-475.33	-863.67	-747.82	0.00	0.00	0.00
4,814.75	15.87	241.17	4,670.49	-516.82	-939.05	-813.09	0.00	0.00	0.00
Start Build DLS 9.00 TFO -150.58									
5,000.00	8.20	159.85	4,852.55	-541.60	-956.81	-825.40	9.00	-4.14	-43.90
5,500.00	48.24	96.60	5,289.19	-599.52	-748.48	-609.61	9.00	8.01	-12.65
5,632.55	60.00	94.14	5,366.75	-609.38	-641.74	-503.12	9.00	8.87	-1.86
Hold 60.00 Inclination									
5,692.55	60.00	94.14	5,396.75	-613.13	-589.91	-451.63	0.00	0.00	0.00
Start Build DLS 9.00 TFO 0.00									
5,866.12	75.62	94.14	5,462.10	-624.70	-430.11	-292.85	9.00	9.00	0.00
Building DLS 9.00 TFO 0.01									
6,000.00	87.67	94.14	5,481.51	-634.24	-298.24	-161.82	9.00	9.00	0.00
6,033.00	90.64	94.14	5,482.00	-636.62	-265.34	-129.13	9.00	9.00	0.00
7"									
6,033.05	90.65	94.14	5,482.00	-636.63	-265.28	-129.08	9.00	9.00	0.00
POE at 90.65 Inclination									
6,500.00	90.65	94.14	5,476.74	-670.34	200.42	333.64	0.00	0.00	0.00
7,000.00	90.65	94.14	5,471.11	-706.45	699.08	829.10	0.00	0.00	0.00
7,500.00	90.65	94.14	5,465.48	-742.55	1,197.74	1,324.57	0.00	0.00	0.00
8,000.00	90.65	94.14	5,459.85	-778.65	1,696.41	1,820.04	0.00	0.00	0.00
8,500.00	90.65	94.14	5,454.21	-814.75	2,195.07	2,315.51	0.00	0.00	0.00
9,000.00	90.65	94.14	5,448.58	-850.85	2,693.73	2,810.97	0.00	0.00	0.00
9,500.00	90.65	94.14	5,442.95	-886.95	3,192.39	3,306.44	0.00	0.00	0.00
10,000.00	90.65	94.14	5,437.32	-923.06	3,691.06	3,801.91	0.00	0.00	0.00
10,500.00	90.65	94.14	5,431.69	-959.16	4,189.72	4,297.37	0.00	0.00	0.00
11,000.00	90.65	94.14	5,426.06	-995.26	4,688.38	4,792.84	0.00	0.00	0.00
11,093.77	90.65	94.14	5,425.00	-1,002.03	4,781.91	4,885.77	0.00	0.00	0.00
TD at 11093.77									

WPX
Planning Report

Database:	COMPASS-SANJUAN	Local Co-ordinate Reference:	Well Chaco 2306-16L #244H (A4) - Slot A4
Company:	WPX Energy	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Project:	T23N R6W (NM Central)	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	North Reference:	True
Well:	Chaco 2306-16L #244H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 27Mar15 sam		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Chaco 2306-16L #244H	0.00	0.00	5,366.75	-609.38	-641.74	1,901,506.90	136,198.76	36.2197340	-107.4833345
- plan hits target center									
- Point									
Chaco 2306-16L #244H	0.00	0.00	5,396.75	-613.13	-589.91	1,901,502.49	136,250.54	36.2197237	-107.4831588
- plan hits target center									
- Point									
Chaco 2306-16L #244H	0.00	0.00	5,425.00	-1,002.03	4,781.91	1,901,045.38	141,617.26	36.2186544	-107.4649492
- plan hits target center									
- Point									
Chaco 2306-16L #244H	0.00	0.00	5,482.00	-636.63	-265.28	1,901,474.87	136,574.86	36.2196592	-107.4820583
- plan hits target center									
- Point									

Casing Points				
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(in)	(in)
320.00	320.00	9 5/8"	9.62	12.25
6,033.00	5,482.00	7"	7.00	8.75

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
500.00	500.00	0.00	0.00	Start Build 2.00
1,293.31	1,283.21	-52.62	-95.62	Hold 15.87 Inclination
4,814.75	4,670.49	-516.82	-939.05	Start Build DLS 9.00 TFO -150.58
5,632.55	5,366.75	-609.38	-641.74	Hold 60.00 Inclination
5,692.55	5,396.75	-613.13	-589.91	Start Build DLS 9.00 TFO 0.00
5,866.12	5,462.10	-624.70	-430.11	Building DLS 9.00 TFO 0.01
6,033.05	5,482.00	-636.63	-265.28	POE at 90.65 Inclination
11,093.77	5,425.00	-1,002.03	4,781.91	TD at 11093.77