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District II
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District III
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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
"As Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

CONFIDENTIAL

*API Number 30-043-21167	*Pool Code 42289	*Pool Name LYBROOK GALLUP
*Property Code 039910	*Property Name CHACO 2206-02P	*Well Number 227H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6944'

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
P	2	22N	6W		614	SOUTH	817	EAST	SANDOVAL

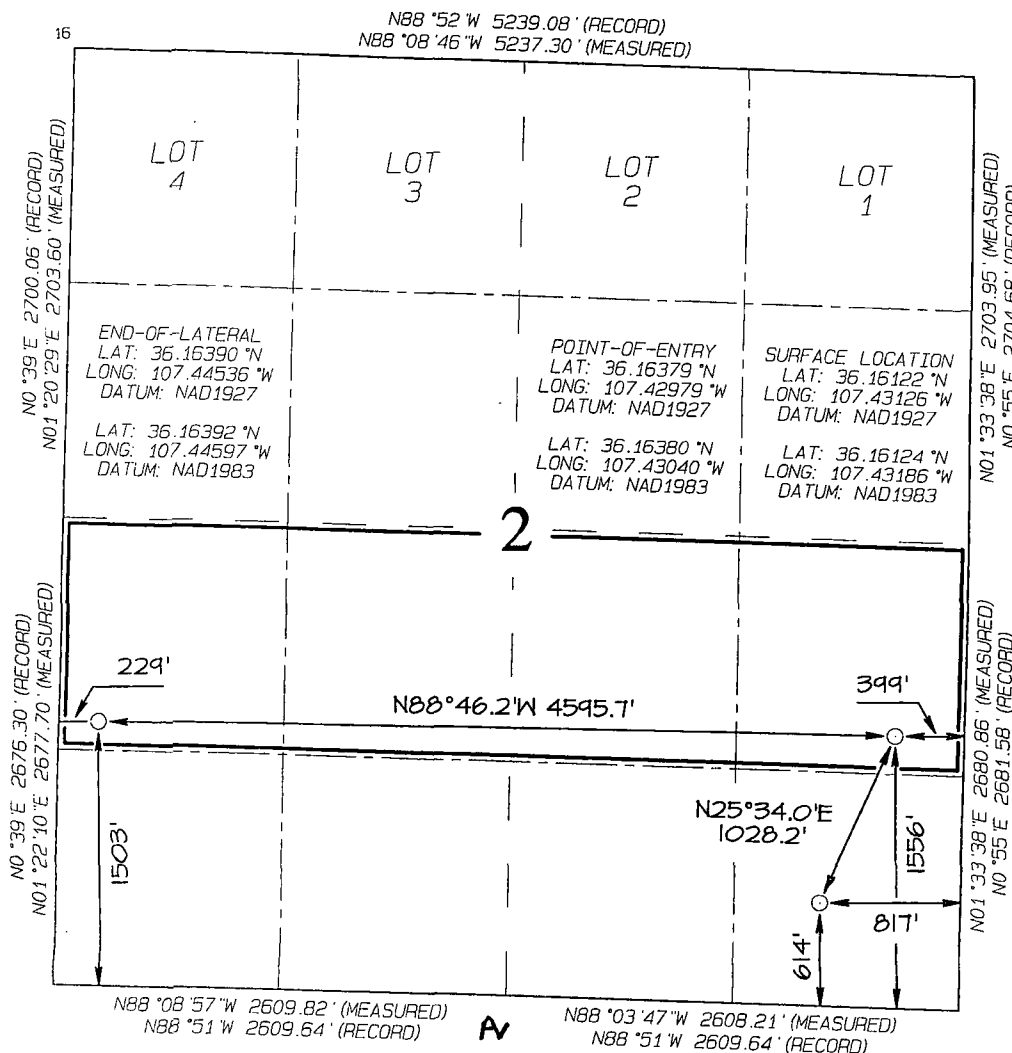
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	2	22N	6W		1503	SOUTH	229	WEST	SANDOVAL

¹² Dedicated Acres 160.0 Acres - (N/2 S/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 21 '13 OIL CONS. DIV.
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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

DIST. 3



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 *Larry Higgins* Date 11/21/13

Printed Name
Larry Higgins

E-mail Address
larry.higgins@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 19, 2013
Date of Survey: JUNE 8, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

Vertical Section (ft) Azim = 283.53° Scale = 1:1000(ft) Origin = 0 N-S, 0 E-W



Chaco 2206-02P #227H MWD 0' to 10634' Definitive Survey Geodetic

Report

(Def Survey)



CONFIDENTIAL

Report Date: November 14, 2013 - 01:49 PM
Client: WPX Energy
Field: NM Sandoval County NAD27
Structure / Slot: WPX Sec 2-22N-6W (Chaco 2206-02P #227H) / Chaco 2206-02P #227H
Well: Chaco 2206-02P #227H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2206-02P #227H MWD 0' to 10634' Definitive
Survey Date: November 01, 2013
Tort / AHD / DDI / ERD Ratio: 228.329' / 6749.879 ft / 6.485' / 1.258
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Foot
Location Lat / Long: N 36° 9' 40.40590", W 107° 25' 52.53400"
Location Grid N/E Y/X: N 1880016.273 ftUS, E 151300.858 ftUS
CRS Grid Convergence Angle: -0.6971 °
Grid Scale Factor: 1.00003914

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 283.530 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6958.000 ft above MSL
Seabed / Ground Elevation: 6944.000 ft above MSL
Magnetic Declination: 9.437 °
Total Gravity Field Strength: 998.4843mgn (9.80665 Based)
Total Magnetic Field Strength: 50149.619 nT
Magnetic Dip Angle: 62.977 °
Declination Date: November 01, 2013
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 9.4373 °
Local Coord Referenced To: Well Head

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 ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	1880016.27	151300.86	N 36 9 40.41 W 107 25 52.53	
Begin MWD Survey	468.00	1.14	140.87	464.97	-3.68	-3.59	2.92	0.25	1880012.65	151303.73	N 36 9 40.37 W 107 25 52.60	
	527.00	1.41	107.48	526.95	-4.93	-4.30	4.04	1.25	1880011.93	151304.84	N 36 9 40.36 W 107 25 52.48	
	588.00	1.76	102.29	587.93	-6.61	-4.72	5.67	0.62	1880011.48	151306.47	N 36 9 40.36 W 107 25 52.46	
	649.00	2.02	75.92	648.90	-8.50	-4.66	7.63	1.47	1880011.52	151308.43	N 36 9 40.36 W 107 25 52.44	
	710.00	3.08	68.89	709.84	-10.80	-3.81	10.20	1.81	1880012.34	151311.01	N 36 9 40.37 W 107 25 52.41	
	772.00	3.43	64.94	771.74	-13.62	-2.42	13.43	0.67	1880013.69	151314.26	N 36 9 40.38 W 107 25 52.37	
	833.00	4.04	60.10	832.61	-16.61	-0.58	16.95	1.12	1880015.49	151317.80	N 36 9 40.40 W 107 25 52.33	
	894.00	4.48	55.36	893.44	-19.76	1.85	20.77	0.92	1880017.87	151321.65	N 36 9 40.42 W 107 25 52.28	
	955.00	5.36	46.22	954.22	-22.89	5.17	24.79	1.93	1880021.14	151325.71	N 36 9 40.46 W 107 25 52.23	
	1016.00	7.39	45.51	1014.84	-26.51	9.89	29.64	3.33	1880025.81	151330.62	N 36 9 40.50 W 107 25 52.17	
	1077.00	8.79	50.26	1075.23	-31.37	15.62	36.03	2.54	1880031.46	151337.07	N 36 9 40.56 W 107 25 52.09	
	1138.00	9.85	52.19	1135.42	-37.42	21.80	43.73	1.81	1880037.54	151344.85	N 36 9 40.62 W 107 25 52.00	
	1200.00	11.70	53.34	1196.33	-44.76	28.81	52.97	3.00	1880044.43	151354.17	N 36 9 40.69 W 107 25 51.89	
	1261.00	13.54	54.83	1255.85	-53.43	36.61	63.77	3.06	1880052.11	151365.07	N 36 9 40.77 W 107 25 51.76	
	1322.00	15.12	55.71	1314.95	-63.49	45.21	76.18	2.61	1880060.55	151377.58	N 36 9 40.85 W 107 25 51.61	
	1383.00	16.44	55.71	1373.65	-74.62	54.58	89.88	2.16	1880069.73	151391.40	N 36 9 40.95 W 107 25 51.44	
	1444.00	17.85	55.01	1431.94	-86.61	64.78	104.67	2.34	1880079.78	151406.32	N 36 9 41.05 W 107 25 51.26	
	1506.00	19.17	55.18	1490.73	-99.67	76.04	120.82	2.13	1880090.84	151422.59	N 36 9 41.16 W 107 25 51.06	
	1567.00	20.22	55.71	1548.16	-113.41	87.70	137.75	1.75	1880102.29	151439.67	N 36 9 41.27 W 107 25 50.85	
	1628.00	21.54	56.32	1605.15	-128.09	99.85	155.78	2.19	1880114.22	151457.84	N 36 9 41.39 W 107 25 50.63	
	1691.00	22.16	55.62	1663.63	-143.91	112.97	175.21	1.07	1880127.11	151477.43	N 36 9 41.52 W 107 25 50.40	
	1754.00	21.72	55.71	1722.08	-159.71	126.25	194.64	0.70	1880140.15	151497.03	N 36 9 41.65 W 107 25 50.16	
	1818.00	21.28	55.09	1781.61	-175.36	139.57	213.95	0.77	1880153.23	151516.50	N 36 9 41.79 W 107 25 49.92	
	1881.00	22.34	55.71	1840.10	-190.99	152.86	233.22	1.72	1880166.29	151535.93	N 36 9 41.92 W 107 25 49.69	
	1945.00	23.13	56.15	1899.13	-207.67	166.71	253.71	1.26	1880179.89	151556.59	N 36 9 42.05 W 107 25 49.44	
	2009.00	22.51	55.80	1958.12	-224.42	180.60	274.28	0.99	1880193.53	151577.33	N 36 9 42.19 W 107 25 49.19	
	2072.00	21.72	55.44	2016.48	-240.32	193.99	293.86	1.27	1880206.68	151597.06	N 36 9 42.32 W 107 25 48.95	
	2135.00	21.81	55.18	2074.99	-255.88	207.29	313.06	0.21	1880219.74	151616.43	N 36 9 42.46 W 107 25 48.72	
	2228.00	20.75	53.51	2161.65	-277.95	226.95	340.49	1.31	1880239.07	151644.10	N 36 9 42.65 W 107 25 48.38	
	2292.00	20.75	54.57	2221.50	-292.68	240.26	358.85	0.59	1880252.16	151662.61	N 36 9 42.78 W 107 25 48.16	
	2355.00	21.98	56.68	2280.17	-308.07	253.21	377.79	2.30	1880264.88	151681.72	N 36 9 42.91 W 107 25 47.93	
	2419.00	22.16	56.15	2339.48	-324.43	266.51	397.82	0.42	1880277.93	151701.91	N 36 9 43.04 W 107 25 47.68	
	2482.00	21.72	55.36	2397.92	-340.25	279.76	417.28	0.84	1880290.94	151721.53	N 36 9 43.17 W 107 25 47.45	
	2546.00	22.07	55.71	2457.30	-356.22	293.26	436.96	0.58	1880304.21	151741.37	N 36 9 43.31 W 107 25 47.21	
	2609.00	22.86	55.44	2515.52	-372.34	306.87	456.82	1.26	1880317.58	151761.39	N 36 9 43.44 W 107 25 46.96	
	2673.00	22.69	54.92	2574.53	-388.81	321.02	477.16	0.41	1880331.47	151781.90	N 36 9 43.58 W 107 25 46.72	
	2736.00	22.34	54.48	2632.73	-404.69	334.96	496.84	0.62	1880345.17	151801.76	N 36 9 43.72 W 107 25 46.48	
	2799.00	21.81	53.16	2691.11	-420.00	348.93	515.96	1.15	1880358.91	151821.04	N 36 9 43.86 W 107 25 46.24	
	2863.00	21.90	52.63	2750.51	-435.11	363.30	534.96	0.34	1880373.05	151840.22	N 36 9 44.00 W 107 25 46.01	
	2926.00	21.98	52.02	2808.95	-449.86	377.69	553.59	0.38	1880387.21	151859.02	N 36 9 44.14 W 107 25 45.78	
	2990.00	21.54	54.74	2868.39	-465.06	391.84	572.62	1.72	1880401.14	151878.23	N 36 9 44.28 W 107 25 45.55	
	3053.00	21.28	55.18	2927.04	-480.27	405.05	591.45	0.49	1880414.11	151897.21	N 36 9 44.41 W 107 25 45.32	
	3117.00	21.19	54.57	2986.69	-495.59	418.38	610.41	0.37	1880427.22	151916.34	N 36 9 44.54 W 107 25 45.09	
	3180.00	20.84	54.74	3045.50	-510.45	431.45	628.84	0.56	1880440.06	151934.92	N 36 9 44.67 W 107 25 44.87	
	3244.00	21.10	54.57	3105.26	-525.51	444.71	647.52	0.42	1880453.08	151953.76	N 36 9 44.80 W 107 25 44.64	
	3307.00	22.07	55.09	3163.85	-540.81	458.05	666.47	1.57	1880466.20	151972.87	N 36 9 44.94 W 107 25 44.41	
	3371.00	21.90	55.18	3223.19	-556.72	471.75	686.13	0.27	1880479.66	151992.70	N 36 9 45.07 W 107 25 44.17	
	3434.00	22.34	54.39	3281.56	-572.36	485.43	705.51	0.84	1880493.10	152012.24	N 36 9 45.21 W 107 25 43.93	
	3498.00	22.60	54.30	3340.70	-588.35	499.69	725.38	0.41	1880507.12	152032.29	N 36 9 45.35 W 107 25 43.69	
	3562.00	21.63	54.39	3399.99	-604.09	513.73	744.96	1.52	1880520.92	152052.04	N 36 9 45.49 W 107 25 43.45	
	3625.00	22.25	54.21	3458.42	-619.46	527.47	764.07	0.99	1880534.43	152071.32	N 36 9 45.62 W 107 25 43.22	
	3689.00	21.80	54.04	3517.73	-635.12	541.56	783.56	0.58	1880548.28	152090.98	N 36 9 45.76 W 107 25 42.98	
	3752.00	22.51	54.48	3576.06	-650.65	555.47	802.89	1.00	1880561.95	152110.47	N 36 9 45.90 W 107 25 42.74	
	3816.00	22.34	54.48	3635.22	-666.65	569.65	822.76	0.27	1880575.90	152130.52	N 36 9 46.04 W 107 25 42.50	
	3879.00	22.16	53.86	3693.53	-682.19	583.62	842.10	0.47	1880589.62	152150.03	N 36 9 46.18 W 107 25 42.26	
	3942.00	22.25	52.81	3751.86	-697.43	597.83	861.20	0.65	1880603.61	152169.30	N 36 9 46.32 W 107 25 42.03	
	4006.00	21.98	55.62	3811.15	-713.13	611.92	880.74	1.71	1880617.46	152189.01	N 36 9 46.46 W 107 25 41.79	
	4069.00	21.46	56.32	3869.68	-728.86	624.97	900.06	0.92	1880630.27	152208.48	N 36 9 46.59 W 107 25 41.56	
	4133.00	21.81	56.24	3929.17	-744.88	638.07	919.68	0.55	1880643.13	152228.27	N 36 9 46.72 W 107 25 41.32	
	4196.00	21.54	55.09	3987.71	-760.49	651.19	938.90	0.80	1880656.02	152247.64	N 36 9 46.85 W 107 25 41.08	
	4260.00	21.63	55.88	4047.23	-776.23	664.53	958.30	0.48	1880669.12	152267.20	N 36 9 46.98 W 107 25 40.85	
	4323.00	23.04	57.20	4105.50	-792.57	677.72	978.27	2.38	1880682.07	152287.34	N 36 9 47.11 W 107 25 40.60	
	4387.00	24.18	57.91	4164.14	-810.38	691.47	999.90	1.84	1880695.55	152309.14	N 36 9 47.24 W 107 25 40.34	

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 ° ' ")
	10028.00	91.45	269.39	5310.25	3691.02	993.62	-3557.29	2.33	1881053.14	147755.79	N 36 9 50.23	W 107 26 35.91
	10092.00	90.57	268.64	5309.12	3752.97	992.52	-3621.27	1.81	1881052.82	147691.80	N 36 9 50.22	W 107 26 36.69
	10155.00	91.01	268.77	5308.25	3813.87	991.10	-3684.24	0.73	1881052.16	147628.81	N 36 9 50.20	W 107 26 37.46
	10219.00	90.66	268.44	5307.32	3875.70	989.54	-3748.22	0.75	1881051.38	147564.82	N 36 9 50.19	W 107 26 38.24
	10282.00	90.40	266.82	5306.73	3936.29	986.94	-3811.16	2.60	1881049.54	147501.85	N 36 9 50.16	W 107 26 39.01
	10345.00	90.66	267.98	5306.15	3996.80	984.08	-3874.09	1.89	1881047.45	147438.88	N 36 9 50.13	W 107 26 39.78
	10409.00	90.66	268.37	5305.41	4058.51	982.04	-3938.05	0.61	1881046.19	147374.90	N 36 9 50.11	W 107 26 40.56
	10473.00	90.57	267.85	5304.73	4120.21	979.93	-4002.01	0.82	1881044.86	147310.91	N 36 9 50.09	W 107 26 41.34
Crossed Setback Line	10533.24	90.41	268.53	5304.21	4178.30	978.03	-4062.22	1.16	1881043.69	147250.69	N 36 9 50.07	W 107 26 42.07
	10536.00	90.40	268.56	5304.19	4180.96	977.96	-4064.98	1.16	1881043.65	147247.93	N 36 9 50.07	W 107 26 42.11
Last MWD Survey	10571.00	91.10	268.59	5303.73	4214.78	977.09	-4099.97	2.00	1881043.20	147212.93	N 36 9 50.07	W 107 26 42.53
Projection to Bit	10634.00	91.10	268.59	5302.53	4275.63	975.54	-4162.94	0.00	1881042.42	147149.94	N 36 9 50.05	W 107 26 43.30

Survey Type: Def Survey

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	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	14.000	Act Stns	30.000	30.000	SLB_MWD-STD-Depth Only	Original Hole / Chaco 2206-02P #227H MWD 0' to 10634'
	14.000	465.000	1/98.425	30.000	30.000	SLB_MWD-STD	Original Hole / Chaco 2206-02P #227H MWD 0' to 10634'
	465.000	10571.000	Act Stns	30.000	30.000	SLB_MWD-STD	Original Hole / Chaco 2206-02P #227H MWD 0' to 10634'
	10571.000	10634.000	Act Stns	30.000	30.000	SLB_BLIND+TREND	Original Hole / Chaco 2206-02P #227H MWD 0' to 10634'