

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

¹ API Number 30-043-21148	² Pool Code 42289	³ Pool Name LYBROOK GALLUP
⁴ Property Code 399089	⁵ Property Name CHACO 2205-16A	⁶ Well Number 221H
⁷ OGRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 7148'

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
A	16	22N	6W		738	NORTH	270	EAST	SANDOVAL

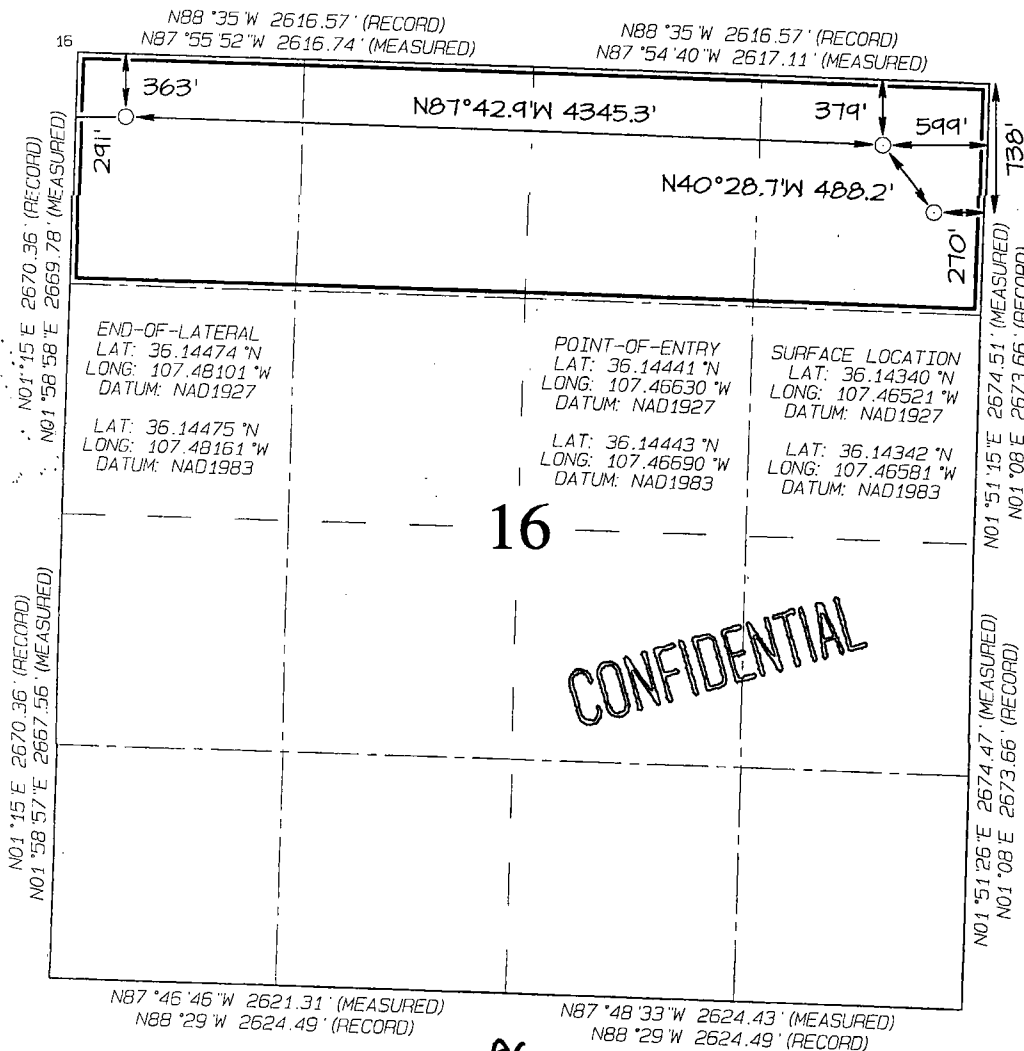
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	22N	6W		363	NORTH	291	WEST	SANDOVAL

¹² Dedicated Acres 160.0 Acres - (N/2 N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. ROUO SEP 12 '13 OIL CON. 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: *Heather Riley* Date: 9/12/13

Printed Name: Heather Riley

E-mail Address: heather.riley@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: AUGUST 27, 2013
Date of Survey: JULY 31, 2013

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



WPX Chaco 2206-16A #221 MWD 0' to 10093' Definitive Survey Geodetic



Report (Def Survey)

RCVD SEP 12 '13
OIL CONS. DIV.
DIST. 3

CONFIDENTIAL

Report Date: August 09, 2013 - 09:24 AM
Client: WPX Energy
Field: NM Sandoval County NAD27
Structure / Slot: WPX Chaco 2206-16A #221 / Chaco 2206-16A #221
Well: WPX Chaco 2206-16A #221
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: WPX Chaco 2206-16A #221 MWD 0' to 10093' Definitive
Survey Date: July 29, 2013
Tort / AHD / DDI / ERD Ratio: 183.561' / 5340.377 ft / 6.264 / 0.990
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 8' 36.24000", W 107° 27' 54.75600"
Location Grid N/E Y/X: N 1873651.603 ftUS, E 141197.252 ftUS
CRS Grid Convergence Angle: -0.7168°
Grid Scale Factor: 1.00004732

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 275.994° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 7162.000 ft above MSL
Seabed / Ground Elevation: 7148.000 ft above MSL
Magnetic Declination: 9.477°
Total Gravity Field Strength: 998.4632mgn (9.80665 Based)
Total Magnetic Field Strength: 50164.409 nT
Magnetic Dip Angle: 62.962°
Declination Date: July 29, 2013
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000°
Total Corr Mag North-True North: 9.4772°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/1000)	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	1873651.80	141197.25	N 36° 8' 36.24"	W 107° 27' 54.76"
Begin MWD Survey	465.00	1.41	207.24	464.95	2.07	-5.09	-2.62	0.30	1873646.55	141194.57	N 36° 8' 36.19"	W 107° 27' 54.79"
	528.00	0.62	213.49	527.94	2.51	-8.06	-3.16	1.26	1873645.58	141194.01	N 36° 8' 36.18"	W 107° 27' 54.79"
	589.00	0.35	188.63	588.94	2.67	-6.52	-3.37	0.55	1873645.13	141193.80	N 36° 8' 36.18"	W 107° 27' 54.80"
	651.00	0.18	193.64	650.94	2.89	-6.80	-3.42	0.28	1873644.84	141193.74	N 36° 8' 36.17"	W 107° 27' 54.80"
	712.00	0.18	251.31	711.84	2.79	-6.93	-3.54	0.28	1873644.72	141193.63	N 36° 8' 36.17"	W 107° 27' 54.80"
	773.00	0.44	222.01	772.94	3.02	-7.13	-3.78	0.49	1873644.52	141193.38	N 36° 8' 36.17"	W 107° 27' 54.80"
	834.00	0.44	223.84	833.94	3.30	-7.47	-4.10	0.02	1873644.18	141193.06	N 36° 8' 36.17"	W 107° 27' 54.81"
	895.00	0.53	229.98	894.93	3.64	-7.62	-4.48	0.17	1873643.84	141192.67	N 36° 8' 36.16"	W 107° 27' 54.81"
	956.00	0.53	217.81	955.93	3.98	-8.23	-4.87	0.18	1873643.44	141192.28	N 36° 8' 36.16"	W 107° 27' 54.82"
	1018.00	0.26	185.39	1017.93	4.13	-8.59	-5.06	0.55	1873643.07	141192.09	N 36° 8' 36.16"	W 107° 27' 54.82"
	1079.00	0.26	247.18	1078.93	4.25	-8.79	-5.20	0.44	1873642.88	141191.94	N 36° 8' 36.15"	W 107° 27' 54.82"
	1140.00	0.44	249.61	1139.93	4.59	-8.92	-5.55	0.30	1873642.75	141191.59	N 36° 8' 36.15"	W 107° 27' 54.82"
	1202.00	0.35	245.07	1201.93	4.96	-9.08	-5.94	0.15	1873642.59	141191.20	N 36° 8' 36.15"	W 107° 27' 54.83"
	1263.00	0.44	251.96	1262.93	5.33	-9.23	-6.33	0.17	1873642.45	141190.80	N 36° 8' 36.15"	W 107° 27' 54.83"
	1324.00	0.53	246.81	1323.92	5.79	-9.42	-6.82	0.16	1873642.27	141190.32	N 36° 8' 36.15"	W 107° 27' 54.84"
	1385.00	0.70	266.46	1384.92	6.41	-9.55	-7.45	0.44	1873642.14	141189.69	N 36° 8' 36.15"	W 107° 27' 54.85"
	1446.00	0.62	267.87	1445.92	7.10	-9.59	-8.15	0.13	1873642.12	141189.98	N 36° 8' 36.15"	W 107° 27' 54.86"
	1508.00	1.23	12.17	1507.91	7.36	-8.95	-8.34	2.43	1873642.76	141188.80	N 36° 8' 36.15"	W 107° 27' 54.86"
	1569.00	2.90	23.26	1568.87	6.83	-6.89	-7.60	2.80	1873644.81	141189.57	N 36° 8' 36.17"	W 107° 27' 54.85"
	1630.00	3.69	27.70	1629.77	5.65	-3.74	-6.07	1.36	1873647.94	141191.13	N 36° 8' 36.17"	W 107° 27' 54.83"
	1691.00	3.96	28.08	1690.63	4.13	-0.14	-4.17	0.44	1873651.52	141193.08	N 36° 8' 36.24"	W 107° 27' 54.81"
	1755.00	4.84	31.16	1754.44	2.15	4.12	-1.73	1.42	1873655.75	141195.57	N 36° 8' 36.17"	W 107° 27' 54.78"
	1818.00	6.07	30.85	1817.16	-0.38	9.25	1.35	1.95	1873660.84	141198.72	N 36° 8' 36.33"	W 107° 27' 54.74"
	1882.00	7.03	30.25	1880.74	-3.41	15.54	5.06	1.50	1873667.08	141202.51	N 36° 8' 36.39"	W 107° 27' 54.69"
	1945.00	7.65	33.61	1943.22	-6.94	22.37	9.32	1.20	1873673.85	141206.85	N 36° 8' 36.46"	W 107° 27' 54.64"
	2009.00	8.35	34.74	2006.60	-11.15	29.73	14.33	1.12	1873681.15	141211.95	N 36° 8' 36.53"	W 107° 27' 54.58"
	2072.00	9.06	33.76	2068.87	-15.68	37.61	19.69	1.15	1873688.97	141217.41	N 36° 8' 36.51"	W 107° 27' 54.52"
	2136.00	9.94	34.05	2131.99	-20.60	46.38	25.58	1.38	1873697.66	141223.42	N 36° 8' 36.70"	W 107° 27' 54.44"
	2230.00	10.20	33.31	2224.55	-28.24	60.06	34.70	0.31	1873711.23	141232.70	N 36° 8' 36.83"	W 107° 27' 54.33"
	2293.00	11.26	33.09	2286.44	-33.60	69.87	41.12	1.68	1873720.96	141239.24	N 36° 8' 36.93"	W 107° 27' 54.25"
	2357.00	12.57	32.72	2349.06	-39.58	80.97	48.30	2.05	1873731.96	141246.56	N 36° 8' 37.04"	W 107° 27' 54.17"
	2420.00	13.45	32.91	2410.45	-45.98	92.89	55.98	1.40	1873743.79	141254.39	N 36° 8' 37.16"	W 107° 27' 54.07"
	2483.00	14.07	33.57	2471.64	-52.84	105.42	64.20	1.02	1873756.22	141262.77	N 36° 8' 37.28"	W 107° 27' 53.97"
	2547.00	14.51	32.46	2533.66	-60.01	118.67	72.80	0.81	1873769.35	141271.54	N 36° 8' 37.41"	W 107° 27' 53.87"
	2610.00	15.04	33.36	2594.57	-67.29	132.15	81.53	0.92	1873782.73	141280.44	N 36° 8' 37.55"	W 107° 27' 53.76"
	2673.00	15.74	32.61	2655.31	-74.87	146.18	90.63	1.16	1873796.64	141289.71	N 36° 8' 37.69"	W 107° 27' 53.65"
	2737.00	15.65	32.84	2716.93	-82.66	160.74	99.99	0.17	1873811.09	141299.25	N 36° 8' 37.83"	W 107° 27' 53.54"
	2801.00	15.74	33.00	2778.54	-90.50	175.28	109.40	0.16	1873825.50	141308.84	N 36° 8' 37.97"	W 107° 27' 53.42"
	2864.00	15.39	33.54	2839.23	-98.25	189.41	118.68	0.60	1873839.52	141318.29	N 36° 8' 38.11"	W 107° 27' 53.31"
	2927.00	15.12	33.07	2900.01	-105.85	203.26	127.78	0.47	1873853.25	141327.57	N 36° 8' 38.25"	W 107° 27' 53.20"
	2991.00	14.42	32.32	2961.90	-113.19	216.99	136.59	1.13	1873866.88	141336.55	N 36° 8' 38.39"	W 107° 27' 53.09"
	3054.00	13.98	32.24	3022.97	-120.03	230.06	144.85	0.70	1873879.84	141344.97	N 36° 8' 38.52"	W 107° 27' 52.99"
	3118.00	13.45	33.63	3085.15	-126.90	242.80	153.09	0.98	1873892.48	141353.38	N 36° 8' 38.64"	W 107° 27' 52.89"
	3182.00	13.01	33.97	3147.45	-133.73	254.97	161.24	0.70	1873904.54	141361.68	N 36° 8' 38.76"	W 107° 27' 52.79"
	3245.00	12.49	33.80	3208.89	-140.24	266.51	168.99	0.83	1873915.99	141369.57	N 36° 8' 38.88"	W 107° 27' 52.70"
	3309.00	12.13	33.26	3271.42	-146.55	277.88	176.53	0.59	1873927.27	141377.25	N 36° 8' 38.99"	W 107° 27' 52.60"
	3372.00	11.17	31.77	3333.12	-152.23	288.61	183.37	1.60	1873937.91	141384.23	N 36° 8' 39.09"	W 107° 27' 52.52"
	3436.00	9.76	30.95	3396.06	-157.22	298.53	189.43	2.22	1873947.75	141390.41	N 36° 8' 39.19"	W 107° 27' 52.45"
	3499.00	8.53	29.44	3458.26	-161.33	307.18	194.47	1.99	1873956.34	141395.56	N 36° 8' 39.28"	W 107° 27' 52.39"
	3563.00	7.83	30.37	3521.60	-165.02	315.07	199.01	1.11	1873964.18	141400.19	N 36° 8' 39.36"	W 107° 27' 52.33"
	3626.00	7.56	29.23	3584.04	-168.42	322.39	203.20	0.49	1873971.44	141404.48	N 36° 8' 39.43"	W 107° 27' 52.28"
	3680.00	7.39	29.92	3647.49	-171.75	329.63	207.31	0.30	1873978.63	141408.68	N 36° 8' 39.50"	W 107° 27' 52.23"
	3753.00	6.68	27.06	3710.02	-174.71	336.41	211.00	1.26	1873985.36	141412.45	N 36° 8' 39.57"	W 107° 27' 52.18"
	3817.00	5.54	25.18	3773.65	-177.07	342.52	214.01	1.81	1873991.43	141415.54	N 36° 8' 39.63"	W 107° 27' 52.15"
	3880.00	4.31	25.38	3836.42	-178.85	347.41	216.31	1.95	1873996.30	141417.91	N 36° 8' 39.68"	W 107° 27' 52.12"
	3944.00	3.34	21.53	3900.28	-180.15	351.32	218.03	1.57	1874000.18	141419.67	N 36° 8' 39.71"	W 107° 27' 52.10"
	4007.00	2.29	22.61	3963.20	-181.00	354.19	219.19	1.67	1874003.04	141420.86	N 36° 8' 39.74"	W 107° 27' 52.08"
	4071.00	1.14	7.28	4027.17	-181.38	356.00	219.76	1.92	1874004.84	141421.46	N 36° 8' 39.76"	W 107° 27' 52.08"
	4134.00	0.44	49.71	4090.17	-181.56	356.78	220.02	1.38	1874005.62	141421.73	N 36° 8' 39.77"	W 107° 27' 52.07"
	4198.00	0.44	97.07	4154.16	-181.98	356.91	220.45	0.55	1874005.74	141422.16	N 36° 8' 39.77"	W 107° 27' 52.07"
	4261.00	0.62	76.38	4217.16	-182.54	356.96	221.03	0.41	1874005.78	141422.74	N 36° 8' 39.77"	W 107° 27' 52.06"
	4325.00	0.35	92.21	4281.16	-183.06	357.03	221.56	0.47	1874005.85	141423.27	N 36° 8' 39.77"	W 107° 27' 52.05"
	4388.00	0.70	68.54	4344.16	-183.60	357.16	222.11	0.64	1874005.98	141423.82	N 36° 8' 39.77"	W 107° 27' 52.05"
	4452.00	0.26	53.62	4408.15	-184.05	357.39	222.59	0.71	1874006.20	141424.30	N 36° 8' 39.77"	W 107° 27' 52.04"

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 ° ' ")
	4516.00	0.35	48.02	4472.15	-184.29	357.61	222.85	0.15	1874006.41	141424.57	N 36 8 39.78	W 107 27 52.04
	4579.00	0.09	341.69	4535.15	-184.40	357.78	222.98	0.52	1874006.59	141424.70	N 36 8 39.78	W 107 27 52.04
	4643.00	0.35	3.49	4599.15	-184.37	358.03	222.97	0.42	1874006.83	141424.70	N 36 8 39.78	W 107 27 52.04
	4707.00	0.26	25.44	4663.15	-184.41	358.35	223.05	0.23	1874007.15	141424.78	N 36 8 39.78	W 107 27 52.04
	4770.00	0.18	321.26	4726.15	-184.39	358.56	223.05	0.39	1874007.36	141424.78	N 36 8 39.79	W 107 27 52.04
	4834.00	0.18	177.39	4790.15	-184.33	358.54	222.99	0.53	1874007.34	141424.72	N 36 8 39.79	W 107 27 52.04
	4865.00	0.18	232.73	4821.15	-184.30	358.46	222.95	0.54	1874007.26	141424.68	N 36 8 39.78	W 107 27 52.04
	4928.00	2.81	261.75	4884.12	-182.73	358.18	221.35	4.21	1874007.00	141423.07	N 36 8 39.78	W 107 27 52.06
	4992.00	10.29	268.77	4947.66	-175.53	357.83	214.07	11.73	1874006.74	141415.79	N 36 8 39.78	W 107 27 52.15
	5056.00	17.06	270.41	5009.81	-160.50	357.77	198.95	10.59	1874006.88	141400.67	N 36 8 39.78	W 107 27 52.33
	5119.00	23.13	268.37	5068.95	-139.02	357.49	177.32	9.70	1874006.86	141379.04	N 36 8 39.78	W 107 27 52.59
	5183.00	29.90	268.88	5126.18	-110.70	356.82	148.77	10.58	1874006.55	141350.48	N 36 8 39.77	W 107 27 52.94
	5246.00	37.72	269.52	5178.49	-75.91	356.35	113.75	12.43	1874006.52	141315.45	N 36 8 39.76	W 107 27 53.37
	5310.00	45.20	270.06	5226.42	-33.81	356.21	71.40	11.70	1874006.91	141273.11	N 36 8 39.76	W 107 27 53.89
	5373.00	51.44	271.09	5268.29	13.01	356.70	24.38	9.98	1874007.99	141226.09	N 36 8 39.77	W 107 27 54.46
	5437.00	58.04	271.35	5305.22	65.05	357.82	-27.84	10.32	1874009.76	141173.89	N 36 8 39.78	W 107 27 55.10
	5500.00	64.90	271.17	5335.29	120.18	359.03	-83.14	10.89	1874011.66	141118.60	N 36 8 39.79	W 107 27 55.77
	5563.00	71.14	271.18	5358.86	178.37	360.23	-141.52	9.90	1874013.59	141060.24	N 36 8 39.80	W 107 27 56.48
	5627.00	77.73	272.19	5376.02	239.81	362.05	-203.12	10.41	1874016.18	140998.67	N 36 8 39.82	W 107 27 57.23
	5690.00	82.83	273.53	5386.65	301.79	365.15	-265.11	8.36	1874020.06	140936.72	N 36 8 39.85	W 107 27 57.99
	5797.00	90.92	272.42	5392.48	408.40	370.69	-371.72	7.63	1874026.93	140830.18	N 36 8 40.01	W 107 28 0.44
	5828.00	90.92	272.45	5391.99	439.33	372.01	-402.69	0.10	1874028.63	140799.23	N 36 8 39.92	W 107 27 59.67
	5892.00	91.36	272.44	5390.71	503.20	374.74	-466.62	0.69	1874032.16	140735.34	N 36 8 39.95	W 107 28 0.44
	5956.00	91.19	272.89	5389.29	567.07	377.71	-530.53	0.75	1874035.94	140671.47	N 36 8 39.98	W 107 28 1.22
	6019.00	90.75	272.10	5388.22	629.94	380.45	-593.46	1.44	1874039.47	140608.57	N 36 8 40.00	W 107 28 1.99
	6083.00	91.45	272.28	5386.99	693.79	382.90	-657.40	1.13	1874042.71	140544.66	N 36 8 40.03	W 107 28 2.77
	6146.00	90.75	272.33	5385.78	756.65	385.43	-720.34	1.11	1874046.03	140481.76	N 36 8 40.05	W 107 28 3.54
	6210.00	91.36	271.46	5384.61	820.47	387.55	-784.29	1.66	1874048.95	140417.83	N 36 8 40.07	W 107 28 4.32
	6273.00	91.01	271.29	5383.30	883.26	389.06	-847.26	0.62	1874051.25	140354.89	N 36 8 40.09	W 107 28 5.09
	6337.00	90.75	271.35	5382.32	947.04	390.53	-911.24	0.42	1874053.52	140290.93	N 36 8 40.10	W 107 28 5.87
	6401.00	91.19	270.02	5381.24	1010.75	391.30	-975.22	2.19	1874055.09	140226.96	N 36 8 40.11	W 107 28 6.65
	6465.00	90.66	270.15	5380.20	1074.40	391.39	-1039.21	0.85	1874055.98	140162.97	N 36 8 40.11	W 107 28 7.43
	6528.00	91.45	270.41	5379.04	1137.08	391.70	-1102.20	1.32	1874057.08	140099.99	N 36 8 40.11	W 107 28 8.19
	6591.00	91.01	270.03	5377.69	1199.74	391.94	-1165.18	0.92	1874058.11	140037.01	N 36 8 40.12	W 107 28 8.96
	6655.00	90.75	270.02	5376.71	1263.39	391.97	-1229.18	0.41	1874058.94	139973.02	N 36 8 40.12	W 107 28 9.74
	6718.00	91.19	270.39	5375.64	1326.06	392.20	-1292.17	0.91	1874059.95	139910.03	N 36 8 40.12	W 107 28 10.51
	6782.00	90.92	270.31	5374.46	1389.74	392.59	-1356.16	0.44	1874061.14	139846.05	N 36 8 40.12	W 107 28 11.29
	6845.00	91.54	271.64	5373.11	1452.48	393.66	-1419.13	2.33	1874063.00	139783.09	N 36 8 40.13	W 107 28 12.06
	6909.00	91.28	270.99	5371.54	1516.25	395.13	-1483.09	1.09	1874065.27	139719.15	N 36 8 40.15	W 107 28 12.84
	6973.00	91.10	271.13	5370.21	1579.99	396.31	-1547.07	0.36	1874067.26	139655.19	N 36 8 40.16	W 107 28 13.62
	7035.00	90.75	270.84	5369.21	1641.75	397.38	-1609.05	0.73	1874069.10	139593.23	N 36 8 40.17	W 107 28 14.37
	7099.00	91.36	271.66	5368.03	1705.52	398.77	-1673.02	1.60	1874071.29	139529.27	N 36 8 40.18	W 107 28 15.15
	7163.00	90.84	271.69	5366.80	1769.33	400.64	-1736.98	0.81	1874073.96	139465.34	N 36 8 40.20	W 107 28 15.93
	7227.00	91.36	270.56	5365.57	1833.08	401.90	-1800.96	1.94	1874076.02	139401.38	N 36 8 40.21	W 107 28 16.71
	7355.00	92.15	272.58	5361.65	1960.63	405.40	-1928.84	1.69	1874081.12	139273.54	N 36 8 40.25	W 107 28 18.27
	7419.00	91.80	272.10	5359.44	2024.46	408.01	-1992.75	0.93	1874084.54	139209.67	N 36 8 40.27	W 107 28 19.05
	7482.00	91.28	272.09	5357.75	2087.30	410.32	-2055.69	0.83	1874087.62	139146.77	N 36 8 40.30	W 107 28 19.82
	7546.00	90.84	271.76	5356.57	2151.12	412.47	-2119.64	0.86	1874090.57	139082.84	N 36 8 40.32	W 107 28 20.60
	7609.00	90.40	271.57	5355.88	2213.94	414.30	-2182.61	0.76	1874093.19	139019.90	N 36 8 40.34	W 107 28 21.37
	7673.00	90.92	272.53	5355.15	2277.78	416.59	-2246.56	1.71	1874096.28	138955.98	N 36 8 40.36	W 107 28 22.15
	7736.00	90.66	271.62	5354.28	2340.63	418.87	-2309.52	1.50	1874099.35	138893.05	N 36 8 40.37	W 107 28 22.91
	7800.00	90.92	270.83	5353.40	2404.40	420.23	-2373.49	1.30	1874101.52	138829.09	N 36 8 40.39	W 107 28 23.69
	7863.00	91.01	270.43	5352.34	2467.12	420.93	-2436.48	0.65	1874103.00	138766.12	N 36 8 40.40	W 107 28 24.46
	7927.00	91.28	269.95	5351.06	2530.77	421.14	-2500.47	0.86	1874104.01	138702.14	N 36 8 40.40	W 107 28 25.24
	7990.00	91.28	269.36	5349.65	2593.37	420.76	-2563.45	0.94	1874104.42	138639.15	N 36 8 40.40	W 107 28 26.01
	8054.00	91.28	272.22	5348.22	2657.09	421.64	-2627.42	4.47	1874106.10	138575.19	N 36 8 40.41	W 107 28 26.79
	8117.00	91.19	271.14	5346.86	2719.89	423.49	-2690.38	1.72	1874108.74	138512.26	N 36 8 40.43	W 107 28 27.56
	8181.00	91.28	270.74	5345.48	2783.63	424.54	-2754.36	0.64	1874110.59	138448.30	N 36 8 40.44	W 107 28 28.34
	8244.00	90.66	271.87	5344.42	2846.41	425.97	-2817.33	2.05	1874112.81	138385.35	N 36 8 40.45	W 107 28 29.10
	8308.00	90.66	271.86	5343.68	2910.24	428.06	-2881.29	0.02	1874115.69	138321.41	N 36 8 40.47	W 107 28 29.88
	8371.00	91.54	273.14	5342.47	2973.11	430.80	-2944.22	2.47	1874119.23	138258.52	N 36 8 40.50	W 107 28 30.65
	8435.00	91.54	275.00	5340.75	3037.04	435.34	-3008.03	2.91	1874124.57	138194.77	N 36 8 40.54	W 107 28 31.43
	8498.00	91.80	274.56	5338.91	3100.00	440.59	-3070.78	0.81	1874130.60	138132.08	N 36 8 40.60	W 107 28 32.19
	8562.00	91.89	274.43	5336.85	3163.95	445.60	-3134.55	0.25	1874136.41	138068.38	N 36 8 40.64	W 107 28 32.97
	8625.00	90.75	274.33	5335.40	3226.91	450.41	-3197.35	1.82	1874142.00	138005.64	N 36 8 40.69	W 107 28 33.74
	8689.00	90.75	274.70	5334.56	3290.88	455.45	-3261.15	0.58	1874147.84	137941.91	N 36 8 40.74	W 107 28 34.52
	8752.00	90.31	273.45	5333.98	3353.84	459.93	-3323.98	2.10	1874153.10	137879.13	N 36 8 40.79	W 107 28 35.28
	8816.00	90.31	271.35	5333.63	3417.71	462.61	-3387.92	3.28	1874156.58	137815.23	N 36 8 40.81	W 107 28 36.06
	8879.00	90.40	272.41	5333.24	3480.54	464.68	-3450.89	1.69	1874159.44	137752.29	N 36 8 40.83	W 107 28 36.83
	8943.00	90.57	272.89	5332.70	3544.43	467.63	-3514.82	0.80	1874163.20	137688.40	N 36 8 40.86	W 107 28 37.61
	9006.00	90.40	272.97	5332.17	3607.34	470.85	-3577.73	0.30	1874167.20	137625.53	N 36 8 40.89	W 107 28 38.38
	9070.00	90.57	270.91	5331.63	3671.18	473.02	-3641.69	3.23	1874170.17	137561.60	N 36 8 40.92	W 107 28 39.16
	9133.00	90.13	271.15	5331.24	3733.94	474.15	-3704.68	0.80	1874172.09	137498.63	N 36 8 40.93	W 107 28 39.92
	9197.00	91.28	270.95	5330.45	3797.69	475.33	-3768.66	1.82	1874174.06	137434.66	N 36 8 40.94	W 107 28 40.70
	9260.00	91.28	270.70	5329.05	3860.42	476.23	-3831.84	0.40	1874175.76	137371.70	N 36 8 40.95	W 107 28 41.47
	9324.00	91.10	270.64	5327.72	3924.13	476.98	-3895.62	0.30	1874177.31	137307.73	N 36 8 40.95	W

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 ° ' ")
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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 / WPX Chaco 2206-16A #221 MWD 0' to 10093'
	14.000	465.000	1/98.425	30.000	30.000	SLB_MWD-STD	Original Hole / WPX Chaco 2206-16A #221 MWD 0' to 10093'
	465.000	10093.000	Act Stns	30.000	30.000	SLB_MWD-STD	Original Hole / WPX Chaco 2206-16A #221 MWD 0' to 10093'



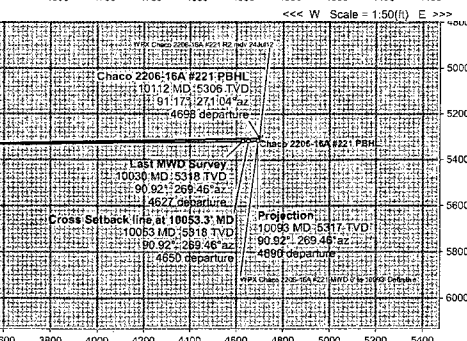
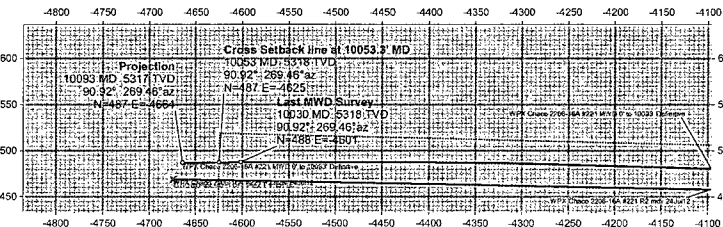
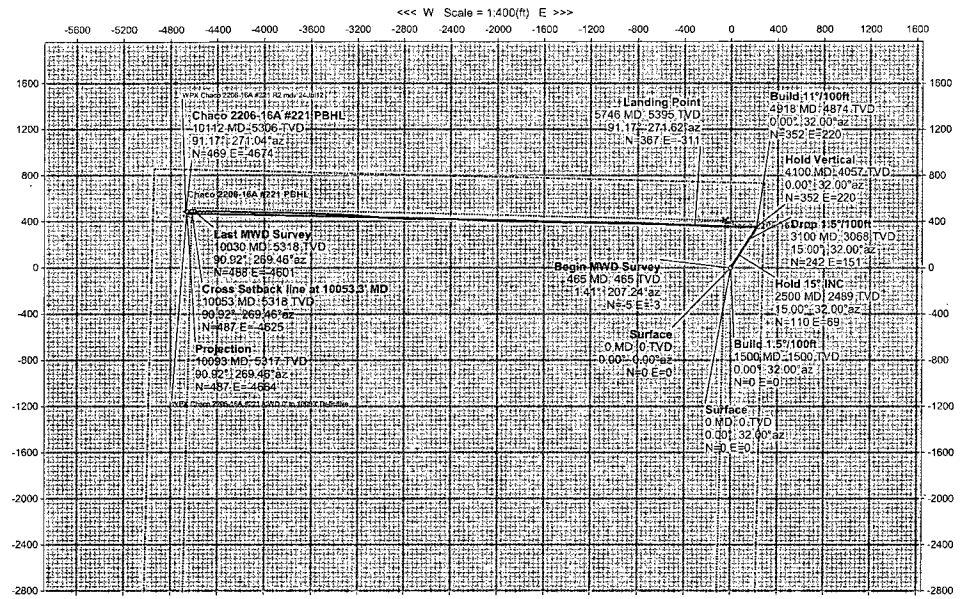
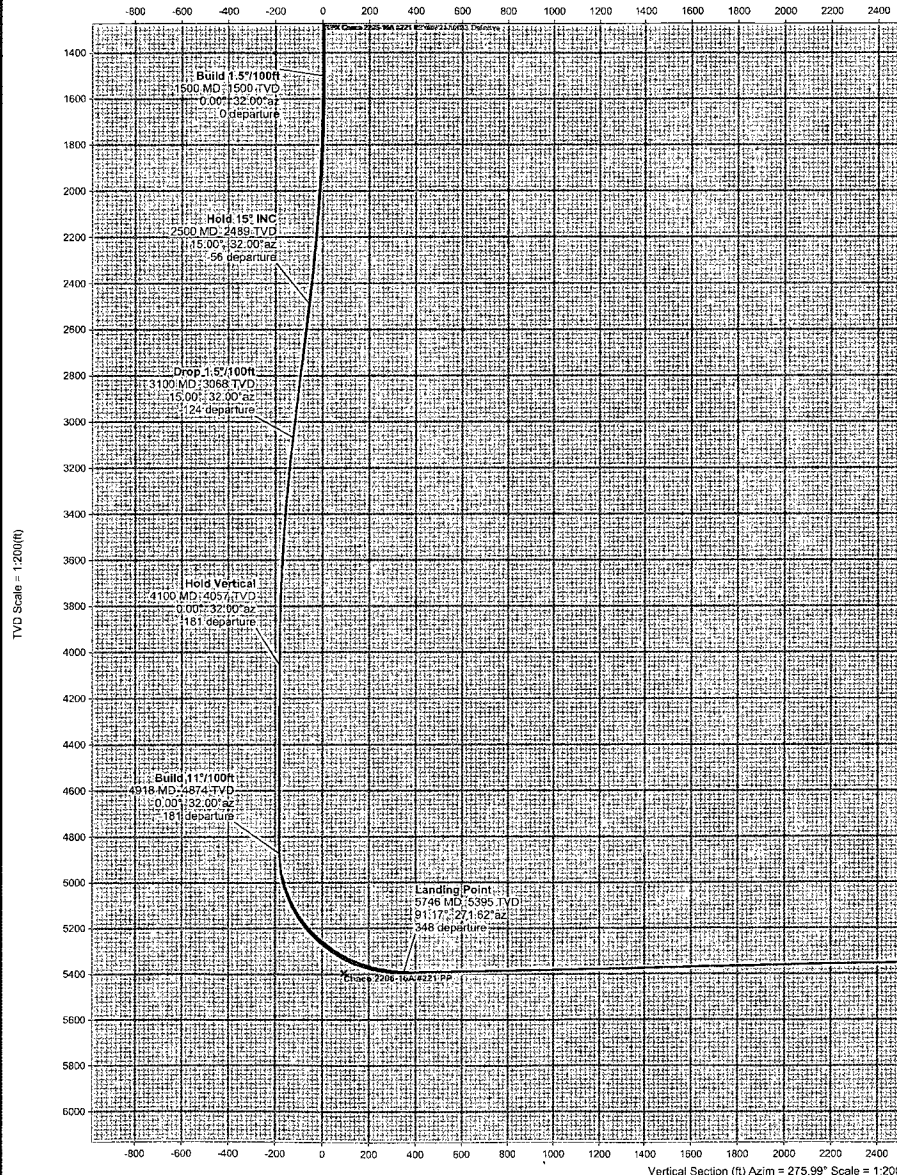
Aztec 980

WPX Energy

PATHFINDER
A Schlumberger Company

WELL	WPX Chaco 2206-16A #221		FIELD	NM Sandoval County NAD27		STRUCTURE	WPX Chaco 2206-16A #221	
Magnetic Parameters	Model: BGDM 2013		Dip:	62.962°		Date:	July 29, 2013	
	Mag Dec: 9.477°		FS:	50164.46T		Surface Location	Lat: N 36 8 36.240	
				Lon: W 107 27 54.756		Northings:	1873631.49 BUS	
				Easting:		Grid Conv:	-0.717°	
						Scale Fact:	1.00004732	
Miscellaneous	Well: Chaco 2206-16A #221		TVD Ref:	RKB071620 above MSL		Plan:	NWD 0' to 1000' Definitive	
			Srv Date:	July 29, 2013				

PvA



Drawn By: _____
Data Created: August 09, 2013 10:52:20 AM
Checked By: _____
Approved By: _____
Approved Date: _____