

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

CONFIDENTIAL

*API Number 30-039-31200		*Pool Code 42289	*Pool Name LYBROOK GALLUP
*Property Code 40085	*Property Name CHACO 2306-06L		*Well Number 178H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6933'

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	6	23N	6W	6	1691	SOUTH	572	WEST	RIO ARriba

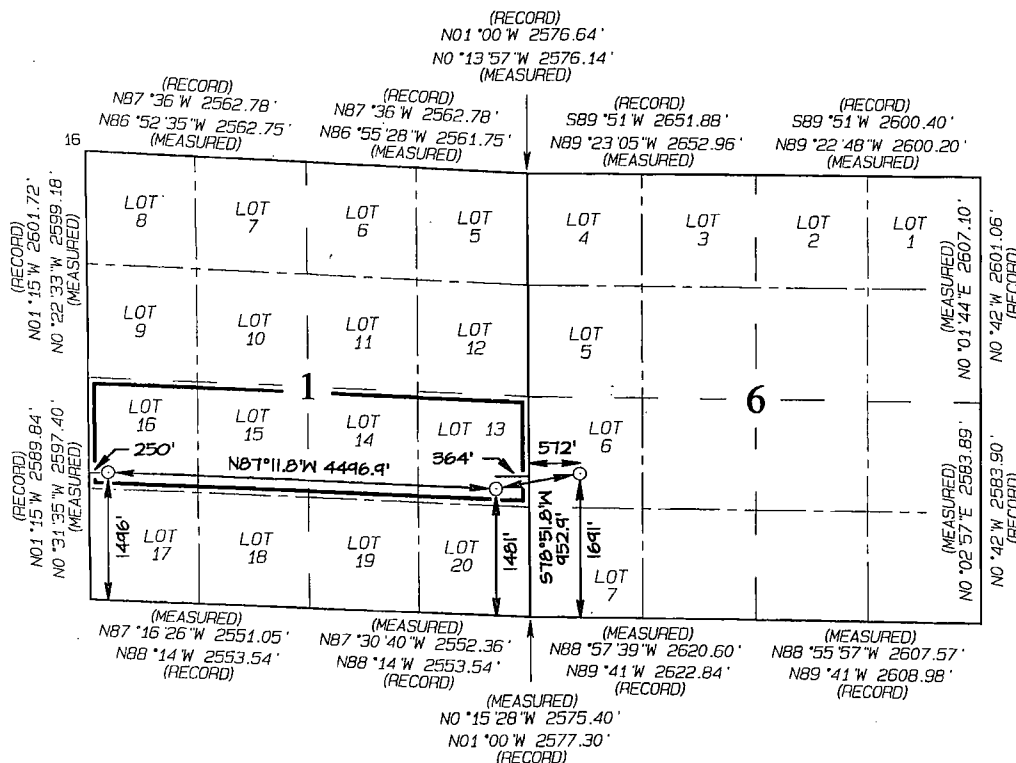
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	280	East/West line	County
L	1	23N	7W	16	1496	SOUTH	250	WEST	RIO ARriba

12 Dedicated Acres 151.40 Acres N/2 S/2 - Section 1	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

OIL CONS. DIV DIST. 3
FEB 21 2014



END-OF-LATERAL
1496' FSL 250' FWL
SECTION 1, T23N, R7W
LAT: 36.25103°N
LONG: 107.53504°W
DATUM: NAD1927

LAT: 36.25104°N
LONG: 107.53564°W
DATUM: NAD1983

POINT-OF-ENTRY
1481' FSL 364' FEL
SECTION 1, T23N, R7W
LAT: 36.25059°N
LONG: 107.51980°W
DATUM: NAD1927

LAT: 36.25060°N
LONG: 107.52040°W
DATUM: NAD1983

SURFACE LOCATION
1691' FSL 572' FWL
SECTION 6, T23N, R6W
LAT: 36.25112°N
LONG: 107.51653°W
DATUM: NAD1927

LAT: 36.25114°N
LONG: 107.51724°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 or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Larry Higgins* Date: 2/21/14
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: JANUARY 14, 2014
Survey Date: OCTOBER 1, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

Chaco 2306-06L #178 MWD 0' to 10545' Definitive Survey Geodetic Report

(Def Survey)

OIL CONS. DIV DIST. 3
FEB 21 2014

CONFIDENTIAL

Report Date: January 13, 2014 - 09:30 AM
Client: WPX Energy
Field: NM, Rio Arriba (NAD 27 CZ)
Structure / Slot: WPX Energy Sec 6-23N-6W (Chaco 2306-06L #178H) / Chaco 2306-06L #178H
Well: Chaco 2306-06L #178H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2306-06L #178 MWD 0' to 10545' Definitive
Survey Date: December 30, 2013
Tort / AHD / DDI / ERD Ratio: 187.823 * / 5531.580 ft / 6.290 / 0.984
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 15' 4.03200", W 107° 30' 59.86800"
Location Grid N/E Y/X: N 1913059.075 fTUS, E 126526.285 fTUS
CRS Grid Convergence Angle: -0.7491 *
Grid Scale Factor: 1.00005961
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 269.480 * (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6951.000 ft above MSL
Seabed / Ground Elevation: 6937.000 ft above MSL
Magnetic Declination: 9.466 *
Total Gravity Field Strength: 998.9204mgn (9.80665 Based)
Gravity Model: DOX
Total Magnetic Field Strength: 50170.501 nT
Magnetic Dip Angle: 63.035 *
Declination Date: December 30, 2013
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000 *
Total Corr Mag North-True North: 9.4657 *
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	1913059.07	126526.28	N 36 15 4.03	W 107 30 59.87
Begin MWD Survey	466.00	0.79	208.14	465.99	1.54	-2.83	-1.52	0.17	1913056.26	126524.73	N 36 15 4.00	W 107 30 59.89
	529.00	0.79	212.71	528.98	1.99	-3.58	-1.95	0.10	1913055.52	126524.28	N 36 15 4.00	W 107 30 59.89
	590.00	1.58	237.94	589.97	2.93	-4.38	-2.89	1.52	1913054.73	126523.33	N 36 15 3.99	W 107 30 59.90
	652.00	2.46	246.20	651.93	4.89	-5.37	-4.84	1.49	1913053.77	126521.38	N 36 15 3.98	W 107 30 59.93
	713.00	3.69	238.11	712.84	7.76	-6.94	-7.70	2.13	1913052.24	126518.49	N 36 15 3.96	W 107 30 59.96
	775.00	4.40	230.73	774.68	11.32	-9.50	-11.24	1.42	1913049.73	126514.92	N 36 15 3.94	W 107 31 0.01
	836.00	5.28	232.13	835.47	15.38	-12.70	-15.26	1.46	1913046.57	126510.86	N 36 15 3.91	W 107 31 0.05
	898.00	5.45	231.96	897.19	19.98	-16.27	-19.83	0.28	1913043.07	126506.24	N 36 15 3.87	W 107 31 0.11
	959.00	7.30	226.42	957.81	25.11	-20.72	-24.92	3.19	1913038.68	126501.09	N 36 15 3.83	W 107 31 0.17
	1021.00	7.74	224.49	1019.28	30.94	-26.42	-30.70	0.82	1913033.06	126495.24	N 36 15 3.77	W 107 31 0.24
	1082.00	7.74	224.93	1079.73	36.77	-32.26	-36.48	0.10	1913027.30	126489.38	N 36 15 3.71	W 107 31 0.31
	1144.00	8.00	222.64	1141.14	42.70	-38.39	-42.35	0.66	1913021.24	126483.43	N 36 15 3.65	W 107 31 0.39
	1205.00	8.18	221.24	1201.54	48.49	-44.77	-48.09	0.44	1913014.93	126477.61	N 36 15 3.59	W 107 31 0.46
	1267.00	7.91	224.84	1262.93	54.47	-51.11	-54.01	0.92	1913008.67	126471.61	N 36 15 3.53	W 107 31 0.53
	1328.00	7.74	224.84	1323.36	60.38	-57.00	-59.86	0.28	1913002.86	126465.68	N 36 15 3.47	W 107 31 0.60
	1390.00	7.30	228.09	1384.82	66.30	-62.59	-65.74	0.99	1912997.34	126459.73	N 36 15 3.41	W 107 31 0.67
	1451.00	7.03	227.65	1445.35	71.99	-67.70	-71.38	0.45	1912992.31	126454.02	N 36 15 3.36	W 107 31 0.74
	1513.00	7.12	229.23	1506.88	77.75	-72.76	-77.09	0.35	1912987.32	126448.24	N 36 15 3.31	W 107 31 0.81
	1574.00	7.39	228.00	1567.39	83.58	-77.86	-82.87	0.51	1912982.30	126442.40	N 36 15 3.26	W 107 31 0.88
	1636.00	7.56	227.74	1628.86	89.61	-83.27	-88.85	0.28	1912978.97	126436.34	N 36 15 3.21	W 107 31 0.95
	1697.00	7.03	223.70	1689.37	95.20	-88.66	-94.40	1.21	1912971.65	126430.73	N 36 15 3.16	W 107 31 1.02
	1761.00	6.86	223.17	1752.90	100.58	-94.28	-99.72	0.28	1912966.10	126425.33	N 36 15 3.10	W 107 31 1.09
	1825.00	5.89	224.40	1816.50	105.53	-99.42	-104.64	1.53	1912961.03	126420.35	N 36 15 3.05	W 107 31 1.15
	1889.00	5.80	223.79	1880.17	110.11	-104.10	-109.17	0.17	1912956.41	126415.76	N 36 15 3.00	W 107 31 1.20
	1953.00	5.98	220.71	1943.83	114.57	-108.96	-113.58	0.57	1912951.60	126411.28	N 36 15 2.95	W 107 31 1.25
	2016.00	5.89	223.70	2006.49	118.99	-113.78	-117.96	0.51	1912946.84	126406.84	N 36 15 2.91	W 107 31 1.31
	2144.00	6.42	230.55	2133.76	129.13	-123.08	-128.02	0.71	1912937.67	126399.66	N 36 15 2.81	W 107 31 1.43
	2208.00	6.24	230.47	2197.37	134.62	-127.57	-133.47	0.28	1912933.26	126391.15	N 36 15 2.77	W 107 31 1.50
	2302.00	6.07	231.43	2290.82	142.50	-133.92	-141.29	0.21	1912927.01	126383.24	N 36 15 2.71	W 107 31 1.59
	2366.00	5.80	227.92	2354.48	147.59	-138.19	-146.34	0.71	1912922.80	126378.14	N 36 15 2.67	W 107 31 1.65
	2430.00	5.54	228.36	2418.17	152.33	-142.41	-151.05	0.41	1912918.64	126373.38	N 36 15 2.62	W 107 31 1.71
	2494.00	6.24	231.34	2481.83	157.40	-146.64	-156.07	1.19	1912914.48	126368.30	N 36 15 2.58	W 107 31 1.77
	2558.00	6.33	233.37	2545.45	162.98	-150.92	-161.62	0.37	1912910.28	126362.70	N 36 15 2.54	W 107 31 1.84
	2622.00	6.42	233.81	2609.05	168.74	-155.13	-167.34	0.16	1912906.13	126356.92	N 36 15 2.50	W 107 31 1.91
	2685.00	6.51	230.29	2671.65	174.37	-159.50	-172.93	0.65	1912901.84	126351.28	N 36 15 2.45	W 107 31 1.98
	2750.00	6.24	229.50	2736.25	179.93	-164.14	-178.45	0.44	1912897.27	126345.69	N 36 15 2.41	W 107 31 2.05
	2814.00	6.16	229.32	2799.87	185.22	-168.64	-183.70	0.13	1912892.84	126340.39	N 36 15 2.36	W 107 31 2.11
	2878.00	6.60	226.51	2863.48	190.54	-173.41	-188.97	0.84	1912888.14	126335.05	N 36 15 2.32	W 107 31 2.18
	2942.00	6.60	226.33	2927.05	195.91	-178.48	-194.30	0.03	1912883.14	126329.66	N 36 15 2.27	W 107 31 2.24
	3005.00	6.77	227.83	2989.62	201.33	-183.48	-199.67	0.39	1912878.22	126324.22	N 36 15 2.22	W 107 31 2.31
	3069.00	6.95	228.97	3053.17	207.09	-188.55	-205.39	0.35	1912873.22	126318.44	N 36 15 2.17	W 107 31 2.38
	3133.00	6.95	230.38	3116.70	213.04	-193.56	-211.29	0.27	1912868.28	126312.47	N 36 15 2.12	W 107 31 2.45
	3197.00	6.42	226.42	3180.26	218.66	-198.50	-216.87	1.10	1912863.42	126306.83	N 36 15 2.07	W 107 31 2.52
	3261.00	5.80	222.03	3243.90	223.46	-203.37	-221.62	1.21	1912858.61	126302.01	N 36 15 2.02	W 107 31 2.57
	3325.00	4.84	219.92	3307.62	227.40	-207.84	-225.52	1.53	1912854.19	126298.05	N 36 15 1.98	W 107 31 2.62
	3389.00	3.87	216.75	3371.44	230.46	-211.64	-228.55	1.56	1912850.43	126294.98	N 36 15 1.94	W 107 31 2.66
	3452.00	2.64	213.94	3434.33	232.57	-214.55	-230.63	1.97	1912847.55	126292.86	N 36 15 1.91	W 107 31 2.68
	3516.00	1.58	209.81	3498.29	233.85	-216.54	-231.89	1.67	1912845.58	126291.57	N 36 15 1.89	W 107 31 2.70
	3579.00	0.70	192.67	3561.28	234.37	-217.66	-232.41	1.48	1912844.46	126291.04	N 36 15 1.88	W 107 31 2.71
	3644.00	0.26	111.20	3626.27	234.33	-218.10	-232.36	1.09	1912844.01	126291.08	N 36 15 1.88	W 107 31 2.70
	3708.00	0.09	31.39	3690.27	234.16	-218.11	-232.19	0.41	1912844.00	126291.25	N 36 15 1.88	W 107 31 2.70
	3772.00	0.18	185.11	3754.27	234.15	-218.17	-232.18	0.41	1912843.94	126291.26	N 36 15 1.87	W 107 31 2.70
	3836.00	0.26	191.62	3818.27	234.19	-218.41	-232.22	0.13	1912843.70	126291.22	N 36 15 1.87	W 107 31 2.70
	3900.00	0.44	183.44	3882.27	234.24	-218.80	-232.26	0.29	1912843.32	126291.17	N 36 15 1.87	W 107 31 2.70
	3963.00	0.44	174.48	3945.27	234.23	-219.28	-232.25	0.11	1912842.83	126291.17	N 36 15 1.86	W 107 31 2.70
	4027.00	0.62	137.39	4009.27	233.98	-219.78	-231.99	0.59	1912842.33	126291.43	N 36 15 1.86	W 107 31 2.70
	4092.00	0.62	139.06	4074.26	233.51	-220.31	-231.52	0.03	1912841.80	126291.89	N 36 15 1.85	W 107 31 2.69
	4155.00	0.62	173.34	4137.26	233.26	-220.80	-231.26	0.58	1912841.20	126292.14	N 36 15 1.85	W 107 31 2.69
	4219.00	0.70	168.77	4201.26	233.15	-221.63	-231.14	0.15	1912840.47	126292.25	N 36 15 1.84	W 107 31 2.69
	4284.00	0.79	205.15	4266.25	233.27	-222.43	-231.26	0.73	1912839.68	126292.13	N 36 15 1.83	W 107 31 2.69
	4348.00	0.88	216.16	4330.24	233.77	-223.21	-231.75	0.33	1912839.90	126291.62	N 36 15 1.82	W 107 31 2.70
	4412.00	0.88	223.70	4394.24	234.41	-223.95	-232.39	0.13	1912838.17	126290.97	N 36 15 1.82	W 107 31 2.71
	4476.00	0.09	120.95	4458.23	234.71	-224.33	-232.69	1.41	1912837.79	126290.67	N 36 15 1.81	W 107 31 2.71
	4541.00	0.09	172.55	4523.23	234.67	-224.41	-232.64	0.12	1912837.71	126290.72	N 36 15 1.81	W 107 31 2.71
	4604.00	0.26	138.44	4586.23	234.57	-224.57	-232.54	0.31	1912837.55	126290.82	N 36 15 1.81	W 107 31 2.71
	4668.00	0.18	173.60	4650.23	234.46	-224.78	-232.43	0.24	1912837.34	126290.92	N 36 15 1.81	W 107 31 2.71
	4732.00	0.26	114.36	4714.23	234.32	-224.94	-232.29	0.36	1912837.18	126291.06	N 36 15 1.81	W 107 31 2.70
	4796.00	0.09	177.56	4778.23	234.18	-225.05	-232.15	0.37	1912837.07	126291.20	N 36 15 1.81	W 107 31 2.70
	4860.00	0.26	177.38	4842.23	234.18	-225.24	-232.14	0.27	1912836.87	126291.20	N 36 15 1.80	W 107 31 2.70
	4892.00	0.18	181.77	4874.23	234.18	-225.36	-232.14	0.26	1912836.75	126291.20	N 36 15 1.80	W 107 31 2.70
	4955.00	1.41	254.72	4937.22	234.93	-225.67	-232.89	2.17	1912836.46	126290.45	N 36 15 1.80	W 107 31 2.71
	5019.00	5.63	278.36	5001.09	238.80	-225.42	-236.76	6.84	1912836.76			

Comments	MD	Incl	Azim True	TVD	VSEC	NS	EW	DLS	Nothing	Easting	Latitude	Longitude
	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(7100ft)	(ftUS)	(ftUS)	(N+...)	(E+...)
Survey Error Model: Survey Program:	5338.00	31.30	273.13	5300.01	342.92	-219.14	-340.95	8.07	191284.40	126182.48	N 36 15 1.86	W 107 31 4.03
	5402.00	36.49	272.49	5353.11	376.54	-217.40	-416.60	8.13	191284.60	126146.87	N 36 15 1.88	W 107 31 4.47
	5465.00	42.47	271.10	5401.72	418.55	-216.19	-466.89	9.59	191284.35	126106.87	N 36 15 1.89	W 107 31 4.95
	5529.00	47.75	271.36	5446.87	463.85	-215.20	-481.92	8.26	191284.92	126061.85	N 36 15 1.92	W 107 31 5.51
	5594.00	55.13	273.22	5487.36	514.58	-213.13	-512.66	11.57	191285.62	126010.85	N 36 15 1.97	W 107 31 6.13
	5658.00	61.91	276.05	5520.77	566.89	-208.67	-567.02	11.24	191285.82	125956.55	N 36 15 1.97	W 107 31 6.79
	5722.00	63.49	276.53	5550.12	623.35	-202.39	-623.54	12.60	191286.84	125901.11	N 36 15 2.03	W 107 31 7.48
	5785.00	69.03	272.56	5595.44	682.76	-197.82	-680.99	10.60	191287.06	125847.73	N 36 15 2.08	W 107 31 8.14
	5850.00	74.83	270.42	5655.64	744.48	-196.23	-742.73	10.60	191287.56	125791.01	N 36 15 2.09	W 107 31 8.84
	5914.00	80.28	271.37	5699.43	806.94	-195.25	-805.20	8.64	191287.36	125718.56	N 36 15 2.10	W 107 31 9.70
Survey Type:	5977.00	86.70	270.19	5616.56	869.48	-194.40	-867.75	10.36	191287.02	125665.01	N 36 15 2.11	W 107 31 10.46
	6043.00	88.12	269.67	5619.22	935.47	-194.48	-933.66	2.30	191287.60	125590.00	N 36 15 2.11	W 107 31 11.27
	6097.00	88.64	269.48	5620.22	959.40	-194.66	-957.67	2.30	191287.64	125560.00	N 36 15 2.11	W 107 31 11.56
	6128.00	91.80	269.55	5619.18	1022.39	-195.16	-1018.66	5.18	191287.22	125505.10	N 36 15 2.10	W 107 31 12.50
	6190.00	91.54	269.68	5618.18	1062.37	-195.49	-1080.64	0.68	191287.12	125443.12	N 36 15 2.10	W 107 31 13.06
	6254.00	91.19	269.89	5616.66	1146.35	-196.17	-1144.61	1.64	191287.87	125379.14	N 36 15 2.09	W 107 31 13.84
	6318.00	91.71	269.64	5615.04	1210.32	-196.99	-1208.59	1.43	191287.69	125315.16	N 36 15 2.08	W 107 31 14.62
	6382.00	91.89	270.21	5613.03	1274.29	-197.08	-1272.65	0.93	191287.64	125251.19	N 36 15 2.08	W 107 31 15.40
	6446.00	91.01	272.11	5611.41	1338.24	-195.78	-1336.52	3.27	191288.07	125187.23	N 36 15 2.10	W 107 31 16.16
	6510.00	91.10	272.46	5610.23	1402.15	-193.22	-1400.46	0.99	191288.41	125123.54	N 36 15 2.12	W 107 31 16.97
Cross Seaback	6574.00	91.63	271.82	5608.74	1466.06	-190.62	-1464.39	0.96	191288.71	125059.44	N 36 15 2.14	W 107 31 17.75
	6638.00	91.36	272.06	5607.04	1529.86	-188.65	-1526.33	0.91	191289.01	124995.32	N 36 15 2.19	W 107 31 18.51
	6702.00	91.54	272.16	5605.42	1593.89	-186.31	-1592.27	0.31	191289.61	124931.52	N 36 15 2.19	W 107 31 19.31
	6766.00	91.36	272.26	5603.08	1657.80	-183.85	-1655.20	0.19	191289.88	124867.83	N 36 15 2.21	W 107 31 20.09
	6830.00	91.28	272.17	5600.60	1721.71	-181.44	-1720.13	0.41	191290.13	124799.82	N 36 15 2.26	W 107 31 21.65
	6894.00	91.10	272.69	5599.22	1785.54	-178.52	-1784.07	0.20	191290.33	124739.92	N 36 15 2.28	W 107 31 22.45
	6958.00	91.28	272.81	5597.84	1849.44	-176.62	-1850.01	0.30	191290.65	124674.40	N 36 15 2.28	W 107 31 23.25
	7022.00	91.54	272.36	5596.32	1913.34	-170.78	-1912.94	1.18	191291.16	124611.12	N 36 15 2.31	W 107 31 23.92
	7086.00	91.10	272.36	5594.95	1977.20	-167.92	-1977.84	0.41	191291.46	124565.26	N 36 15 2.34	W 107 31 24.01
	7150.00	92.15	271.85	5593.03	2041.20	-167.92	-2041.76	0.89	191291.85	124482.38	N 36 15 2.37	W 107 31 24.79
Landing Point	7214.00	91.80	271.93	5591.03	2107.01	-165.56	-2105.62	1.84	191292.105	124418.49	N 36 15 2.39	W 107 31 25.57
	7278.00	91.54	272.35	5589.06	2173.93	-163.45	-2169.62	0.56	191292.15	124346.59	N 36 15 2.41	W 107 31 26.35
	7342.00	91.54	272.58	5587.04	2240.84	-161.15	-2232.55	0.67	191292.72	124272.69	N 36 15 2.44	W 107 31 27.12
	7406.00	91.01	272.90	5585.02	2297.84	-158.43	-2296.49	1.00	191293.02	124207.78	N 36 15 2.46	W 107 31 27.90
	7470.00	91.89	271.07	5583.04	2362.72	-157.14	-2363.45	1.86	191293.52	124154.78	N 36 15 2.49	W 107 31 28.70
	7534.00	91.71	271.41	5581.04	2428.64	-155.76	-2425.40	0.60	191293.81	124089.81	N 36 15 2.51	W 107 31 29.48
	7598.00	91.54	271.63	5580.10	2494.56	-153.45	-2493.35	0.43	191293.97	124034.99	N 36 15 2.55	W 107 31 30.26
	7662.00	91.89	272.43	5580.18	2560.56	-151.80	-2553.28	1.36	191294.67	123971.91	N 36 15 2.59	W 107 31 31.04
	7726.00	91.54	272.52	5578.24	2618.44	-149.03	-2617.20	0.56	191294.75	123907.21	N 36 15 2.59	W 107 31 31.82
	7790.00	91.01	272.63	5576.84	2696.32	-146.16	-2687.12	0.85	191294.97	123843.33	N 36 15 2.59	W 107 31 32.60
Survey Tool Type	7854.00	91.89	273.41	5575.35	2764.19	-142.84	-2744.01	1.87	191295.57	123780.49	N 36 15 2.62	W 107 31 33.37
	7918.00	91.45	273.50	5573.38	2832.59	-139.76	-2807.85	1.03	191295.71	123716.70	N 36 15 2.66	W 107 31 34.15
	7982.00	90.92	274.24	5572.06	2897.77	-134.22	-2871.67	0.98	191296.40	123650.49	N 36 15 2.70	W 107 31 34.93
	8046.00	91.89	274.24	5570.47	2963.53	-128.46	-2936.48	1.50	191296.99	123588.19	N 36 15 2.75	W 107 31 35.72
	8110.00	90.31	271.92	5568.31	3001.92	-124.99	-3000.31	2.48	191297.31	123524.43	N 36 15 2.79	W 107 31 36.50
	8174.00	91.36	271.92	5566.31	3065.19	-121.73	-3064.21	3.54	191297.41	123460.56	N 36 15 2.83	W 107 31 37.28
	8238.00	92.51	269.68	5564.08	3129.16	-120.83	-3128.19	3.59	191297.14	123396.60	N 36 15 2.84	W 107 31 38.06
	8302.00	92.51	269.77	5562.08	3193.13	-121.14	-3192.16	2.61	191297.67	123332.63	N 36 15 2.84	W 107 31 38.84
	8366.00	92.33	268.53	5560.14	3257.07	-122.09	-3256.10	1.96	191297.56	123268.68	N 36 15 2.87	W 107 31 39.62
	8430.00	91.98	268.78	5558.14	3329.02	-123.57	-3319.03	0.68	191297.90	123205.73	N 36 15 2.87	W 107 31 40.39
Borehole / Survey	8494.00	91.71	268.24	5556.56	3393.98	-125.23	-3383.98	0.94	191297.68	123141.76	N 36 15 2.79	W 107 31 41.15
	8558.00	91.01	268.02	5554.94	3447.94	-127.32	-3446.93	1.15	191297.83	123077.97	N 36 15 2.77	W 107 31 41.95
	8622.00	92.07	268.27	5552.97	3515.90	-131.62	-3510.87	1.70	191297.58	123013.62	N 36 15 2.73	W 107 31 42.73
	8686.00	91.28	267.74	5550.97	3575.85	-134.07	-3574.81	1.49	191297.40	122947.88	N 36 15 2.75	W 107 31 43.51
	8750.00	91.10	267.87	5548.97	3639.81	-135.58	-3638.74	0.35	191297.58	122882.50	N 36 15 2.69	W 107 31 44.26
	8814.00	90.66	269.47	5546.97	3702.79	-136.24	-3701.71	2.48	191297.17	122816.70	N 36 15 2.69	W 107 31 45.06
	8878.00	92.15	269.47	5544.94	3769.73	-137.08	-3766.69	2.30	191297.08	122750.96	N 36 15 2.67	W 107 31 45.85
	8942.00	91.98	268.97	5542.84	3823.64	-138.22	-3829.64	0.79	191297.08	122684.96	N 36 15 2.66	W 107 31 46.62
	9006.00	91.36	268.97	5540.74	3878.50	-138.96	-3893.50	0.97	191297.17	122618.21	N 36 15 2.66	W 107 31 47.40
	9070.00	92.33	269.70	5538.64	3932.46	-139.71	-3957.57	1.80	191297.17	122552.01	N 36 15 2.65	W 107 31 48.18
Original Hole / Chaco 2306-06L	9134.00	91.71	268.89	5536.54	4021.62	-139.68	-4020.52	1.50	191297.22	122486.46	N 36 15 2.65	W 107 31 48.93
	9198.00	92.77	270.36	5534.44	4085.57	-138.71	-4084.47	3.49	191297.06	122420.71	N 36 15 2.65	W 107 31 49.73
	9262.00	91.89	272.43	5532.34	4149.44	-137.26	-4148.36	4.09	191297.06	122354.96	N 36 15 2.67	W 107 31 50.51
	9326.00	90.84	272.55	5530.23	4213.30	-133.92	-4212.26	2.14	191296.23	122289.24	N 36 15 2.70	W 107 31 51.29
	9390.00	92.33	272.83	5528.16	4277.17	-137.46	-4276.16	2.37	191296.36	122224.73	N 36 15 2.73	W 107 31 52.07
	9454.00	91.98	273.36	5526.06	4341							

Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2306-06L #178H	NM, Rio Arriba (NAD 27 CZ)	Sec 6-23N-6W

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2013 Dip: 63.035° Date: 30-Dec-2013	NAD27 New Mexico State Plane, Central Zone, US Feet	Slot: Chaco 2306-06L #178H TVD Ref: RKB(6951 ft above MSL)
MagDec: 9.466° FS: 50170.501nT Gravity FS: 998.92mgn (9.80665 Based)	Lat: N 36 15 4.03 Northing: 1513059.075ft US 126526.285ftU Grid Conv: -0.7491° Scale Fact: 1.00005961	Plan: Chaco 2306-06L #178 MWD 0' to 10545' Definitive

PvA



True
Grid
Mag

True North
Tot Corr (M→T 9.466°)
Mag Dec (9.466°)
Grid Conv (-0.749°)

