

District II
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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

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

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31244		² Pool Code 98088	³ Pool Name CHACO UNIT NE HZ (OIL)
⁴ Property Code 313124	⁵ Property Name CHACO 2307-13I		⁶ Well Number 203H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC		⁹ Elevation 6926 '

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
I	13	23N	7W	1743		SOUTH	318	EAST	RIO ARRIBA

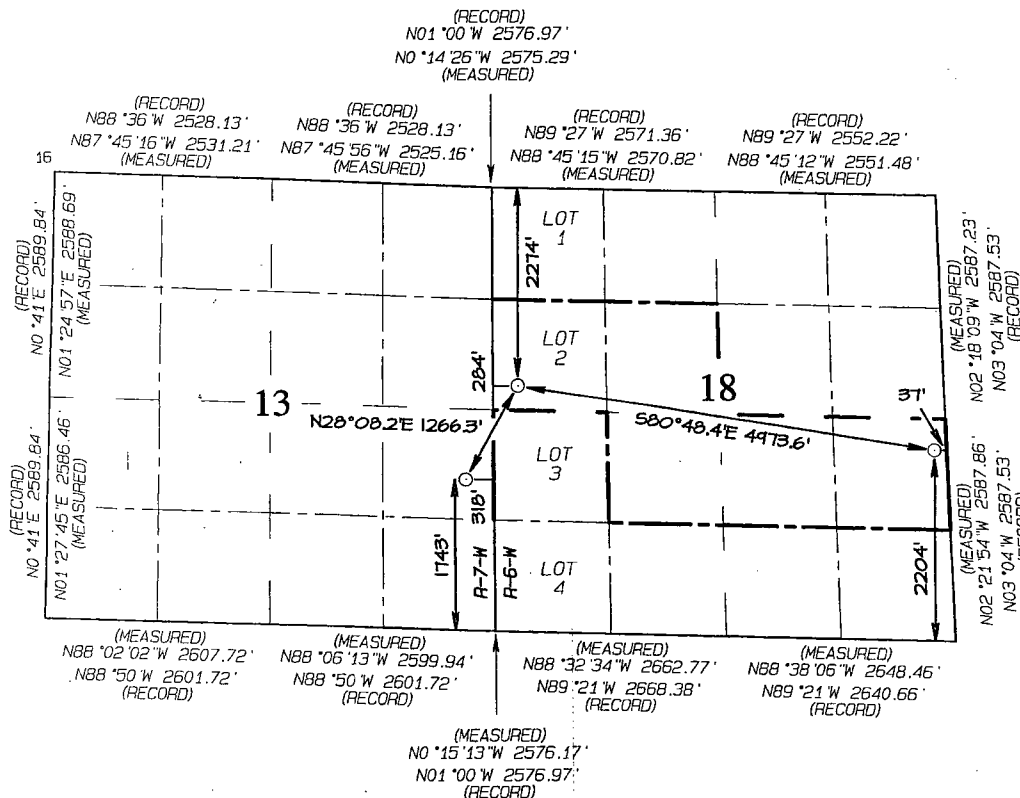
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	23N	6W		2204	SOUTH	37	EAST	RIO ARriba
¹² Dedicated Acres 200.69 Acres N/2 SE/4, NE/4 SW/4, S/2 NW/4 (18)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13817	RCVD SEP 24 11 OIL CONS. DIV.	

RCVD SEP 24 '14
OIL CONS. DIV.

DIST. 3

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



SURFACE LOCATION
1743' FSL 318' FEL
SECTION 13, T23N, R7W
LAT: 36.222997°N
LONG: 107.519054°W
DATUM: NAD1927

LAT: 36.223010°N
LONG: 107.519659°W
DATUM: NAD1983

POINT-OF-ENTRY
2274' FNL 284' FWL
SECTION 18, T23N, R6W
LAT: 36.226085 °N
LONG: 107.517079 °W
DATUM: NAD1927

LAT: 36.226099 °N
LONG: 107.517685 °W
DATUM: NAD1983

END-OF-LATERAL
2204' FSL 37' FEL
SECTION 18, T23N, R6W
LAT: 36.224078 °N
LONG: 107.500402 °W
DATUM: NAD1927

LAT: 36.224091 °N
LONG: 107.501007 °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 or agreement with another mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Larry Higgins Date 9/22/14
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 29, 2014
Date of Survey: AUGUST 2, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

CONFIDENTIAL

AY

Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2307-13I #203H	NM, Rio Arriba (NAD 27 CZ)	13-23N-7W (Chaco 2307-13I Pad)

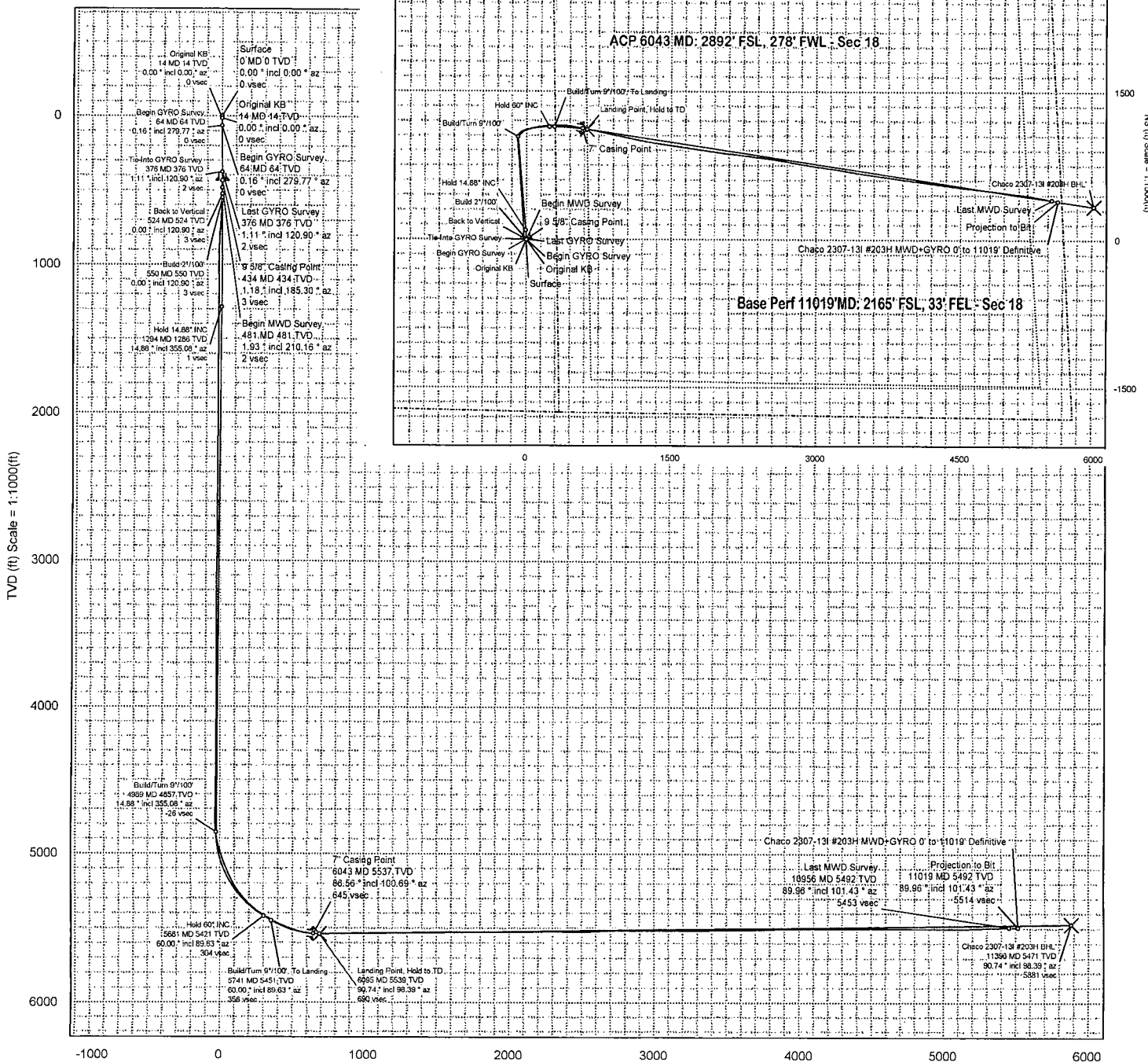
Gravity & Magnetic Parameters		Surface Location	Miscellaneous
Model: BGGM 2014 Dip: 63.004°	Date: 08-Jul-2014	NAD27 New Mexico State Plane, Central Zone, US Feet	Slot: Chaco 2307-13I #203H
MagDec: 9.436° FS: 50083.747nT Gravity FS: 998.497mgn (9.90665 Based)		Lat: N 36 13 22.80 Northing: 1902831.78RU Grid Conv: -0.75°	TVD Ref: RKB(8939ft above MSL)
		Lon: W 107 31 8.58 Easting: 125678.65RUS Scale Fact: 1.00006034	Plan: Chaco 2307-13I #203H MWD+GYRO 0' to 11019' Definitive

PvA

True North
Tot Corr (M->T 9.436°)
Mag Dec (9.436°)
Grid Conv (-0.750°)



EW (ft) Scale = 1:1500(ft)



Vertical Section (ft) Azim = 86.691° Scale = 1:1000(ft) Origin = ON-S, 0E/W



Chaco 2307-131 #203H MWD+GYRO 0' to 11019' Definitive Survey Geodetic Report (Def Survey)



Report Date: August 25, 2014 - 11:11 AM
Client: WPX Energy
Field: NM, Rio Arriba (NAD 27 CZ)
Structure / Slot: WPX 13-23N-7W (Chaco 2307-131 Pad) / Chaco 2307-131 #203H
Well: Chaco 2307-131 #203H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2307-131 #203H MWD+GYRO 0' to 11019' Definitive
Survey Date: July 08, 2014
Tort / AHD / DDI / ERD Ratio: 230.717' / 6743.061 ft / 6.491' / 1.218
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 13' 22.80000", W 107° 31' 8.58000"
Location Grid N/E Y/X: N 1902831.775 ftUS, E 125678.648 ftUS
CRS Grid Convergence Angle: -0.7500 °
Grid Scale Factor: 1.00006034
Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 86.691 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6939.000 ft above MSL
Seabed / Ground Elevation: 6925.000 ft above MSL
Magnetic Declination: 9.436 °
Total Gravity Field Strength: 998.496mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 50083.747 nT
Magnetic Dip Angle: 63.004 °
Declination Date: July 08, 2014
Magnetic Declination Model: BGM 2014
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 9.4362 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/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	1902831.77	125678.65	N 36 13 22.80 W 107 31	8.58
Original KB	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	1902831.77	125678.65	N 36 13 22.80 W 107 31	8.58
Begin GYRO Survey	64.00	0.16	279.77	64.00	-0.07	0.01	-0.07	0.32	1902831.79	125678.58	N 36 13 22.80 W 107 31	8.58
	114.00	0.40	193.62	114.00	-0.19	-0.15	-0.18	0.84	1902831.63	125678.47	N 36 13 22.80 W 107 31	8.58
	164.00	0.53	169.58	164.00	-0.21	-0.54	-0.18	0.46	1902831.23	125678.46	N 36 13 22.79 W 107 31	8.58
	214.00	0.68	128.21	214.00	0.04	-0.95	0.10	0.90	1902830.82	125678.73	N 36 13 22.79 W 107 31	8.58
	264.00	0.88	108.31	263.99	0.62	-1.26	0.69	0.67	1902830.51	125679.33	N 36 13 22.79 W 107 31	8.57
	314.00	1.06	136.85	313.98	1.27	-1.72	1.38	1.02	1902830.04	125680.00	N 36 13 22.78 W 107 31	8.56
	364.00	1.10	125.18	363.97	1.95	-2.33	2.08	0.45	1902829.42	125680.70	N 36 13 22.78 W 107 31	8.55
Last GYRO Survey	378.00	1.11	120.90	375.97	2.13	-2.46	2.28	0.69	1902829.29	125680.89	N 36 13 22.78 W 107 31	8.55
9 5/8" Casing Point	434.00	1.18	185.30	433.96	2.51	-3.34	2.70	2.11	1902828.40	125681.31	N 36 13 22.77 W 107 31	8.55
Begin MWD Survey	481.00	1.93	210.16	480.95	2.00	-4.51	2.26	2.11	1902827.24	125680.85	N 36 13 22.76 W 107 31	8.55
	512.00	2.20	210.57	511.93	1.38	-5.47	1.70	0.87	1902826.28	125680.27	N 36 13 22.75 W 107 31	8.56
	575.00	2.90	272.71	574.87	-0.88	-6.44	-0.51	4.28	1902825.34	125678.05	N 36 13 22.74 W 107 31	8.59
	638.00	4.13	299.08	637.76	-4.38	-5.26	-4.08	3.18	1902826.57	125674.49	N 36 13 22.75 W 107 31	8.63
	701.00	4.84	312.88	700.57	-8.14	-2.35	-8.02	2.04	1902829.53	125670.60	N 36 13 22.78 W 107 31	8.68
	764.00	6.24	321.69	763.27	-11.94	2.15	-12.09	2.59	1902834.08	125666.59	N 36 13 22.82 W 107 31	8.73
	827.00	7.83	331.57	825.80	-15.73	8.61	-16.25	3.16	1902840.60	125662.51	N 36 13 22.89 W 107 31	8.78
	890.00	8.18	340.81	888.19	-18.78	16.62	-19.77	2.11	1902848.65	125659.10	N 36 13 22.96 W 107 31	8.82
	953.00	8.53	348.75	950.52	-20.65	25.43	-22.15	1.91	1902857.50	125656.83	N 36 13 23.05 W 107 31	8.85
	1017.00	8.62	358.00	1013.81	-21.19	34.88	-23.25	2.16	1902866.96	125655.86	N 36 13 23.14 W 107 31	8.86
	1080.00	9.58	2.47	1076.01	-20.56	44.84	-23.19	1.89	1902876.91	125656.05	N 36 13 23.24 W 107 31	8.86
	1141.00	10.64	0.93	1136.07	-19.63	55.54	-22.87	1.79	1902887.61	125656.50	N 36 13 23.35 W 107 31	8.86
	1201.00	11.87	357.19	1194.91	-19.17	67.24	-23.09	2.38	1902899.32	125656.44	N 36 13 23.46 W 107 31	8.86
	1262.00	13.10	355.85	1254.47	-19.21	80.40	-23.90	2.07	1902912.49	125655.81	N 36 13 23.60 W 107 31	8.87
	1322.00	14.25	355.51	1312.77	-19.47	94.55	-24.97	1.92	1902926.65	125654.92	N 36 13 23.73 W 107 31	8.88
	1383.00	16.44	358.16	1371.59	-19.40	110.66	-25.83	3.77	1902942.77	125654.27	N 36 13 23.89 W 107 31	8.90
	1445.00	17.06	359.02	1430.96	-18.81	128.52	-26.27	1.08	1902960.64	125654.06	N 36 13 24.07 W 107 31	8.90
	1506.00	15.83	356.67	1489.46	-18.44	145.78	-26.90	2.29	1902977.90	125653.65	N 36 13 24.24 W 107 31	8.91
	1567.00	16.00	355.11	1548.13	-18.68	162.46	-28.10	0.75	1902994.60	125652.67	N 36 13 24.41 W 107 31	8.92
	1628.00	14.51	353.65	1606.97	-19.32	178.43	-29.67	2.52	1903010.59	125651.32	N 36 13 24.56 W 107 31	8.94
	1690.00	13.37	354.80	1667.15	-19.97	193.29	-31.17	1.89	1903025.47	125650.00	N 36 13 24.71 W 107 31	8.96
	1751.00	13.45	357.78	1726.49	-20.06	207.40	-32.09	1.14	1903039.59	125649.27	N 36 13 24.85 W 107 31	8.97
	1811.00	14.33	357.05	1784.73	-19.88	221.79	-32.74	1.50	1903053.99	125648.81	N 36 13 24.99 W 107 31	8.98
	1872.00	15.12	356.45	1843.73	-19.87	237.27	-33.62	1.32	1903069.48	125648.13	N 36 13 25.15 W 107 31	8.99
	1933.00	14.42	355.66	1902.71	-20.04	252.78	-34.69	1.19	1903085.01	125647.27	N 36 13 25.30 W 107 31	9.00
	1994.00	15.56	356.13	1961.63	-20.26	268.52	-35.82	1.88	1903100.76	125646.35	N 36 13 25.46 W 107 31	9.02
	2054.00	16.62	356.93	2019.28	-20.30	285.12	-36.82	1.80	1903117.37	125645.56	N 36 13 25.62 W 107 31	9.03
	2115.00	16.00	355.49	2077.83	-20.44	302.21	-37.95	1.21	1903134.47	125644.66	N 36 13 25.79 W 107 31	9.04
	2177.00	15.65	355.67	2137.48	-20.77	319.07	-39.25	0.57	1903151.35	125643.57	N 36 13 25.96 W 107 31	9.06
	2237.00	15.12	353.82	2195.33	-21.30	334.92	-40.70	1.20	1903167.22	125642.33	N 36 13 26.11 W 107 31	9.08
	2298.00	14.77	355.29	2254.26	-21.89	350.58	-42.20	0.85	1903182.89	125641.04	N 36 13 26.27 W 107 31	9.10
	2360.00	15.21	357.97	2313.33	-21.91	374.33	-43.59	0.89	1903206.66	125639.96	N 36 13 26.50 W 107 31	9.11
	2423.00	14.95	358.55	2403.97	-21.46	390.71	-44.09	0.48	1903223.05	125639.68	N 36 13 26.66 W 107 31	9.12
	2517.00	14.42	357.47	2465.87	-21.09	406.92	-44.65	0.93	1903239.27	125639.33	N 36 13 26.82 W 107 31	9.12
	2580.00	13.98	356.57	2526.95	-21.00	422.36	-45.45	0.78	1903254.71	125638.73	N 36 13 26.98 W 107 31	9.13
	2643.00	14.42	354.89	2588.02	-21.26	437.77	-46.60	0.96	1903270.14	125637.77	N 36 13 27.13 W 107 31	9.15
	2706.00	15.12	354.93	2648.94	-21.76	453.76	-48.03	1.11	1903286.15	125636.56	N 36 13 27.29 W 107 31	9.17
	2769.00	15.12	356.44	2709.76	-22.05	470.15	-49.27	0.63	1903302.56	125635.54	N 36 13 27.45 W 107 31	9.18
	2833.00	14.68	355.88	2771.61	-22.20	486.57	-50.37	0.72	1903318.99	125634.65	N 36 13 27.61 W 107 31	9.19
	2896.00	14.60	355.39	2832.56	-22.49	502.44	-51.58	0.23	1903334.88	125633.65	N 36 13 27.77 W 107 31	9.21
	2959.00	15.12	354.03	2893.46	-23.05	518.53	-53.07	0.99	1903350.99	125632.37	N 36 13 27.93 W 107 31	9.23
	3023.00	15.48	352.81	2955.19	-24.02	535.31	-55.01	0.75	1903367.79	125630.65	N 36 13 28.09 W 107 31	9.25
	3086.00	15.48	352.86	3015.90	-25.15	551.99	-57.11	1.02	1903384.50	125628.77	N 36 13 28.26 W 107 31	9.28
	3149.00	15.21	355.82	3076.66	-25.62	568.58	-58.74	1.35	1903401.10	125627.35	N 36 13 28.42 W 107 31	9.30
	3212.00	14.60	356.86	3137.54	-25.91	584.75	-59.76	1.04	1903417.29	125626.55	N 36 13 28.58 W 107 31	9.31
	3276.00	13.98	356.19	3198.56	-25.95	600.52	-60.71	1.00	1903433.07	125625.80	N 36 13 28.74 W 107 31	9.32
	3339.00	14.51	356.90	3260.62	-25.99	615.99	-61.64	0.89	1903448.55	125625.07	N 36 13 28.89 W 107 31	9.33
	3402.00	14.51	357.38	3321.61	-25.86	631.75	-62.43	0.19	1903464.33	125624.49	N 36 13 29.05 W 107 31	9.34
	3466.00	14.16	355.86	3383.62	-25.88	647.57	-63.36	0.80	1903480.16	125623.76	N 36 13 29.20 W 107 31	9.35
	3529.00	14.68	356.43	3444.63	-26.03	663.22	-64.42	0.86	1903495.82	125622.91	N 36 13 29.36 W 107 31	9.37
	3592.00	14.68	356.75	3505.58	-26.06	679.16	-65.37	0.13	1903511.77	125622.17	N 36 13 29.52 W 107 31	9.38
	3656.00	15.30	356.18	3567.40	-26.12	695.68	-66.39	1.00	1903528.31	125621.37	N 36 13 29.68 W 107 31	9.39
	3719.00	15.56	356.93	3628.13	-26.16	712.41	-67.39	0.52	1903545.05	125620.58	N 36 13 29.85 W 107 31	9.40
	3782.00	15.30	356.15	3688.86	-26.20	729.15	-68.41	0.53	1903561.80	125619.79	N 36 13 30.01 W 107 31	9.41
	3845.00	14.95	355.63	3749.68	-26.43	745.54	-69.58	0.60	1903578.21	125618.83	N 36 13 30.17 W 107 31	9.43
	3909.00	15.65	357.08	3811.41	-26.53	762.39	-70.65	1.25	1903595.07	125617.98	N 36 13 30.34 W 107 31	9.44
	3972.00	15.83	357.49	3872.04	-26.35	779.47	-71.46	0.34	1903612.15	125617.39	N 36 13 30.51 W 107 31	9.45
	4036.00	15.48	356.66	3933.67	-26.23	796.71	-72.34	0.65	1903629.41	125616.74	N 36 13 30.68 W 107 31	9.46
	4099.00	15.12	355.19	3994.44	-26.45	813.29	-73.52	0.84	1903646.01	125615.78	N 36 13 30.84 W 107 31	9.48
	4163.00	15.12	353.74	4056.22	-27.10	829.91	-75.13	0.59	1903662.64	125614.38	N 36 13 31.01 W 107 31	9.50
	4226.00	15.12	353.14	4117.04	-28.03	846.23	-77.01	0.25	1903678.99	125612.72	N 36 13 31.17 W 107 31	9.52
	4289.00	14.51	356.20	4177.95	-28.61	8						

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 ° ' ")
	4479.00	15.39	353.65	4361.83	-29.16	909.94	-81.82	1.51	1903742.76	125608.74	N 36 13 31.80	W 107 31 9.58
	4542.00	14.86	353.31	4422.65	-30.08	926.27	-83.69	0.85	1903759.12	125607.09	N 36 13 31.96	W 107 31 9.60
	4605.00	14.25	352.06	4483.63	-31.18	941.98	-85.70	1.09	1903774.85	125605.28	N 36 13 32.12	W 107 31 9.63
	4688.00	14.42	352.82	4544.67	-32.34	957.44	-87.75	0.40	1903790.34	125603.43	N 36 13 32.27	W 107 31 9.65
	4731.00	13.98	353.72	4605.74	-33.26	972.79	-89.56	0.78	1903805.71	125601.82	N 36 13 32.42	W 107 31 9.67
	4794.00	13.45	353.88	4666.95	-34.02	987.64	-91.18	0.84	1903820.58	125600.40	N 36 13 32.57	W 107 31 9.69
	4857.00	13.01	356.06	4728.27	-34.45	1002.00	-92.44	1.06	1903834.95	125599.32	N 36 13 32.71	W 107 31 9.71
	4921.00	12.22	356.97	4790.73	-34.50	1015.95	-93.30	1.27	1903848.92	125598.65	N 36 13 32.85	W 107 31 9.72
	4984.00	13.54	21.34	4852.19	-31.39	1029.49	-90.96	8.80	1903862.42	125591.16	N 36 13 32.98	W 107 31 9.69
	5047.00	17.85	37.00	4912.85	-22.06	1044.08	-82.48	9.54	1903876.90	125609.85	N 36 13 33.12	W 107 31 9.59
	5111.00	22.16	45.95	4972.99	-6.56	1060.32	-67.87	8.24	1903892.95	125624.66	N 36 13 33.29	W 107 31 9.41
	5174.00	23.21	48.91	5031.12	12.26	1076.74	-49.98	2.46	1903909.14	125642.77	N 36 13 33.45	W 107 31 9.19
	5237.00	25.65	60.82	5088.46	34.44	1091.61	-28.61	8.88	1903923.72	125664.33	N 36 13 33.59	W 107 31 8.93
	5300.00	25.94	66.35	5145.14	59.73	1103.83	-3.99	3.83	1903935.63	125689.10	N 36 13 33.72	W 107 31 8.63
	5363.00	30.94	71.83	5200.65	88.12	1114.35	23.84	8.33	1903945.78	125717.08	N 36 13 33.82	W 107 31 8.29
	5426.00	37.11	73.67	5252.97	122.14	1124.70	57.31	10.60	1903955.69	125750.68	N 36 13 33.92	W 107 31 7.88
	5490.00	41.94	79.18	5302.33	162.19	1134.15	96.88	9.32	1903964.62	125790.37	N 36 13 34.02	W 107 31 7.40
	5553.00	48.29	81.68	5346.78	206.53	1141.51	140.88	10.45	1903971.41	125834.46	N 36 13 34.05	W 107 31 6.86
	5616.00	55.31	83.18	5385.72	255.87	1148.00	189.92	11.31	1903977.25	125883.59	N 36 13 34.15	W 107 31 6.26
	5679.00	60.50	89.23	5419.20	309.18	1151.44	243.12	11.57	1903980.01	125936.84	N 36 13 34.19	W 107 31 5.61
	5743.00	60.76	88.89	5450.59	364.91	1152.36	298.89	0.62	1903980.19	125992.61	N 36 13 34.20	W 107 31 4.93
	5809.00	66.57	89.66	5479.86	423.57	1153.10	358.01	8.86	1903980.15	126051.74	N 36 13 34.20	W 107 31 4.21
	5872.00	71.40	95.05	5502.46	482.44	1150.64	416.72	11.07	1903976.93	126110.42	N 36 13 34.18	W 107 31 3.49
	5935.00	75.62	99.87	5520.35	541.75	1142.77	476.58	9.93	1903968.28	126170.18	N 36 13 34.10	W 107 31 2.76
	5990.00	81.78	100.99	5531.12	594.11	1133.01	529.60	11.38	1903957.82	126223.06	N 36 13 34.00	W 107 31 2.12
7" Casing Point	6043.00	86.56	100.69	5536.50	645.22	1123.09	581.37	9.03	1903947.23	126274.70	N 36 13 33.91	W 107 31 1.48
	6069.00	88.90	100.55	5537.53	670.44	1118.31	606.90	9.03	1903942.10	126300.17	N 36 13 33.86	W 107 31 1.17
	6101.00	89.52	101.08	5537.97	701.47	1112.30	638.33	2.55	1903935.69	126331.52	N 36 13 33.80	W 107 31 0.79
	6164.00	90.66	101.23	5537.87	762.47	1100.11	700.14	1.83	1903922.69	126393.17	N 36 13 33.68	W 107 31 0.04
	6227.00	91.89	100.69	5536.47	823.51	1098.14	761.97	2.13	1903909.91	126454.84	N 36 13 33.56	W 107 30 59.28
	6290.00	91.36	101.40	5534.69	884.52	1076.07	823.78	1.41	1903897.04	126516.49	N 36 13 33.44	W 107 30 58.53
	6353.00	90.48	102.53	5533.67	945.28	1063.02	885.40	2.27	1903883.17	126577.94	N 36 13 33.31	W 107 30 57.77
	6416.00	90.57	101.96	5533.10	1005.97	1049.65	946.96	0.92	1903869.00	126639.33	N 36 13 33.18	W 107 30 57.02
	6477.00	91.45	101.32	5532.02	1064.90	1037.35	1006.70	1.78	1903855.92	126699.90	N 36 13 33.06	W 107 30 56.29
	6538.00	90.66	101.74	5530.90	1123.85	1025.16	1066.46	1.47	1903842.94	126758.50	N 36 13 32.94	W 107 30 55.56
	6598.00	89.96	101.04	5530.57	1181.89	1013.31	1125.27	1.65	1903830.33	126817.16	N 36 13 32.82	W 107 30 54.85
	6659.00	90.48	100.71	5530.34	1241.03	1001.80	1185.18	1.01	1903818.03	126876.91	N 36 13 32.71	W 107 30 54.12
	6720.00	91.10	100.74	5529.50	1300.20	990.45	1245.11	1.02	1903805.90	126936.69	N 36 13 32.59	W 107 30 53.38
	6781.00	90.75	99.79	5528.51	1359.49	979.58	1305.12	1.66	1903794.24	126996.56	N 36 13 32.49	W 107 30 52.65
	6842.00	90.75	99.04	5527.71	1418.98	969.60	1365.29	1.23	1903783.48	127056.60	N 36 13 32.39	W 107 30 51.92
	6904.00	90.66	98.04	5526.95	1479.66	960.40	1426.60	1.62	1903773.47	127117.78	N 36 13 32.30	W 107 30 51.17
	6964.00	91.10	97.28	5526.03	1538.55	952.40	1486.06	1.46	1903764.70	127177.13	N 36 13 32.22	W 107 30 50.44
	7026.00	90.75	97.45	5525.03	1599.47	944.45	1547.54	0.63	1903755.94	127238.51	N 36 13 32.14	W 107 30 49.69
	7087.00	89.08	98.39	5525.12	1659.30	936.05	1607.95	3.14	1903746.75	127298.81	N 36 13 32.06	W 107 30 48.96
	7147.00	89.52	98.38	5525.85	1718.05	927.30	1667.31	0.73	1903737.22	127358.05	N 36 13 31.97	W 107 30 48.23
	7208.00	90.40	98.34	5525.90	1777.79	918.43	1727.66	1.44	1903727.57	127418.28	N 36 13 31.88	W 107 30 47.49
	7270.00	89.69	98.42	5525.85	1838.51	909.40	1789.00	1.15	1903717.73	127479.50	N 36 13 31.79	W 107 30 46.75
	7330.00	90.31	98.57	5525.85	1897.24	900.53	1848.34	1.06	1903708.09	127538.72	N 36 13 31.70	W 107 30 46.02
	7391.00	91.80	97.70	5524.72	1957.01	891.90	1908.71	2.83	1903698.67	127598.98	N 36 13 31.62	W 107 30 45.29
	7452.00	89.34	97.49	5524.12	2016.90	883.84	1969.17	4.05	1903689.81	127659.33	N 36 13 31.54	W 107 30 44.55
	7513.00	89.52	96.65	5524.72	2076.90	876.33	2029.70	1.41	1903681.51	127719.77	N 36 13 31.47	W 107 30 43.81
	7574.00	91.10	96.30	5524.39	2137.01	869.45	2090.31	2.65	1903673.84	127780.28	N 36 13 31.40	W 107 30 43.07
	7635.00	91.28	96.96	5523.13	2197.08	862.41	2150.89	1.12	1903666.01	127840.77	N 36 13 31.33	W 107 30 42.33
	7695.00	91.63	96.41	5521.60	2256.15	855.43	2210.46	1.09	1903658.25	127900.25	N 36 13 31.26	W 107 30 41.60
	7756.00	89.43	97.60	5521.04	2316.16	847.99	2271.00	4.10	1903650.02	127960.68	N 36 13 31.18	W 107 30 40.86
	7815.00	87.49	97.73	5522.62	2374.06	840.13	2329.45	3.30	1903641.38	128019.03	N 36 13 31.11	W 107 30 40.15
	7876.00	89.60	97.01	5524.17	2433.98	832.30	2389.92	3.65	1903632.77	128079.40	N 36 13 31.03	W 107 30 39.41
	7937.00	90.48	96.63	5524.13	2494.03	825.06	2450.49	1.57	1903624.74	128139.87	N 36 13 30.96	W 107 30 38.67
	7997.00	92.51	96.67	5522.57	2553.10	818.12	2510.06	3.38	1903617.01	128199.35	N 36 13 30.89	W 107 30 37.95
	8059.00	92.77	98.32	5519.71	2613.93	810.04	2571.46	2.69	1903608.13	128260.64	N 36 13 30.81	W 107 30 37.20
	8120.00	92.24	98.79	5517.04	2673.57	800.97	2631.73	1.16	1903598.27	128320.79	N 36 13 30.72	W 107 30 36.46
	8180.00	90.92	100.56	5515.39	2732.01	790.89	2690.85	3.68	1903587.42	128379.77	N 36 13 30.62	W 107 30 35.74
	8243.00	90.31	100.29	5514.71	2793.21	779.49	2752.80	1.06	1903575.21	128441.58	N 36 13 30.51	W 107 30 34.98
	8307.00	89.96	99.72	5514.56	2855.49	768.37	2815.83	1.05	1903563.27	128504.46	N 36 13 30.40	W 107 30 34.21
	8370.00	89.96	99.09	5514.61	2916.94	758.08	2877.98	1.00	1903552.16	128566.47	N 36 13 30.30	W 107 30 33.46
	8434.00	89.78	98.55	5514.75	2979.51	748.27	2941.23	0.89	1903541.52	128629.59	N 36 13 30.20	W 107 30 32.68
	8497.00	90.66	98.27	5514.51	3041.20	739.05	3003.55	1.47	1903531.49	128691.79	N 36 13 30.11	W 107 30 31.92
	8560.00	90.04	98.13	5514.12	3102.93	730.07	3065.90	1.01	1903521.69	128754.02	N 36 13 30.02	W 107 30 31.16
	8623.00	90.13	98.02	5514.03	3164.69	721.22	3128.28	0.23	1903512.02	128816.28	N 36 13 29.93	W 107 30 30.40
	8686.00	90.40	98.59	5513.74	3226.40	712.12	3190.61	1.00	1903502.11	128878.50	N 36 13 29.84	W 107 30 29.64
	8750.00	90.75	98.79	5513.10	3289.00	702.45	3253.88	0.63	1903491.61	128941.63	N 36 13 29.74	W 107 30 28.87
	8813.00	90.40	98.71	5512.47	3350.60	692.87	3316.14	0.57	1903481.21	129003.77	N 36 13 29.65	W 107 30 28.11
	8876.00	89.96	98.96	5512.27	3412.19	683.19	3378.39	0.80	1903470.72	129065.89	N 36 13 29.55	W 107 30 27.35
	8939.00	90.92	98.47	5511.78	3473.81	673.64	3440.66	1.71	1903460.36	129128.03	N 36 13 29.46	W 107 30 26.59
	9002.00	90.92	98.46	5510.77	3535.48	664.37	3502.97	0.02	1903450.27	129190.22	N 36 13 29.37	W 107 30 25.83
	9065.00	90.57	98.63	5509.95	3597.13	655.01	3565.26	0.62	1903440.10	129252.3		

Comments	MD (ft)	Incl (°)	Azlm 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	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	14.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Hole / Chaco 2307-13I #203H MWD+GYRO 0' to 11019' Definitive
	1	14.000	14.000	Act Sins	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Hole / Chaco 2307-13I #203H MWD+GYRO 0' to 11019' Definitive
	1	14.000	376.000	Act Sins	30.000	30.000	SLB_NSG+MSHOT	Original Hole / Chaco 2307-13I #203H MWD+GYRO 0' to 11019'
	1	376.000	10956.000	Act Sins	30.000	30.000	SLB_MWD-STD	Original Hole / Chaco 2307-13I #203H MWD+GYRO 0' to 11019'
	1	10956.000	11019.000	Act Sins	30.000	30.000	SLB_BLIND+TREND	Original Hole / Chaco 2307-13I #203H MWD+GYRO 0' to 11019'