

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) 476-3450 Fax: (505) 476-3452

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 30-039-31212		*Pool Code 98088		*Pool Name CHACO UNIT NE HZ (OIL)	
*Property Code 313800		*Property Name NE CHACO COM			*Well Number 182H
*OGRID No. 120782		*Operator Name WPX ENERGY PRODUCTION, LLC			*Elevation 6950'

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	7	23N	6W	3	1957	SOUTH	301	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
H	11	23N	7W		1414	NORTH	112	EAST	RIO ARriba

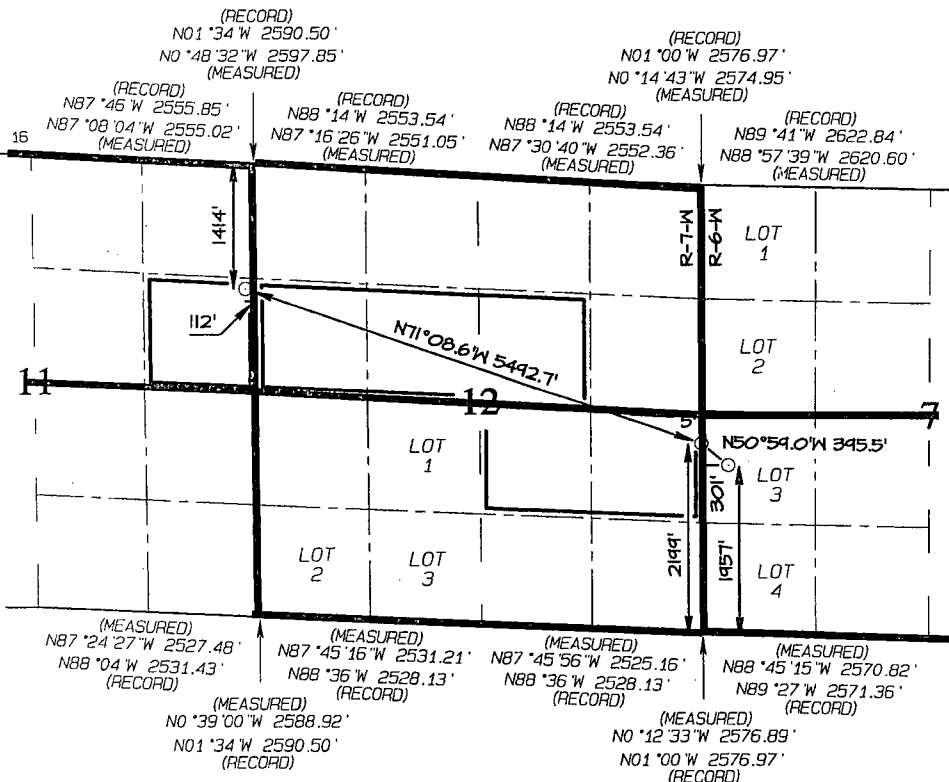
12 Dedicated Acres S2 7, ALL 12, N2 11 1269.91 ACRE					13 Joint or Infill		14 Consolidation Code		15 Order No. R-13817-A	
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9,237.3 acres

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

OCT 23 2014



END-OF-LATERAL
1414' FNL 112' FEL
SECTION 11, T23N, R7W
LAT: 36.243066°N
LONG: 107.536020°W
DATUM: NAD1927

LAT: 36.243080°N
LONG: 107.536626°W
DATUM: NAD1983

POINT-OF-ENTRY
2199' FSL 5' FEL
SECTION 12, T23N, R7W
LAT: 36.238379°N
LONG: 107.518318°W
DATUM: NAD1927

LAT: 36.238392°N
LONG: 107.518924°W
DATUM: NAD1983

SURFACE LOCATION
1957' FSL 301' FNL
SECTION 7, T23N, R6W
LAT: 36.237706°N
LONG: 107.517266°W
DATUM: NAD1927

LAT: 36.237719°N
LONG: 107.517871°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: 10/22/14

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: SEPTEMBER 29, 2014

Date of Survey: OCTOBER 1, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

PR

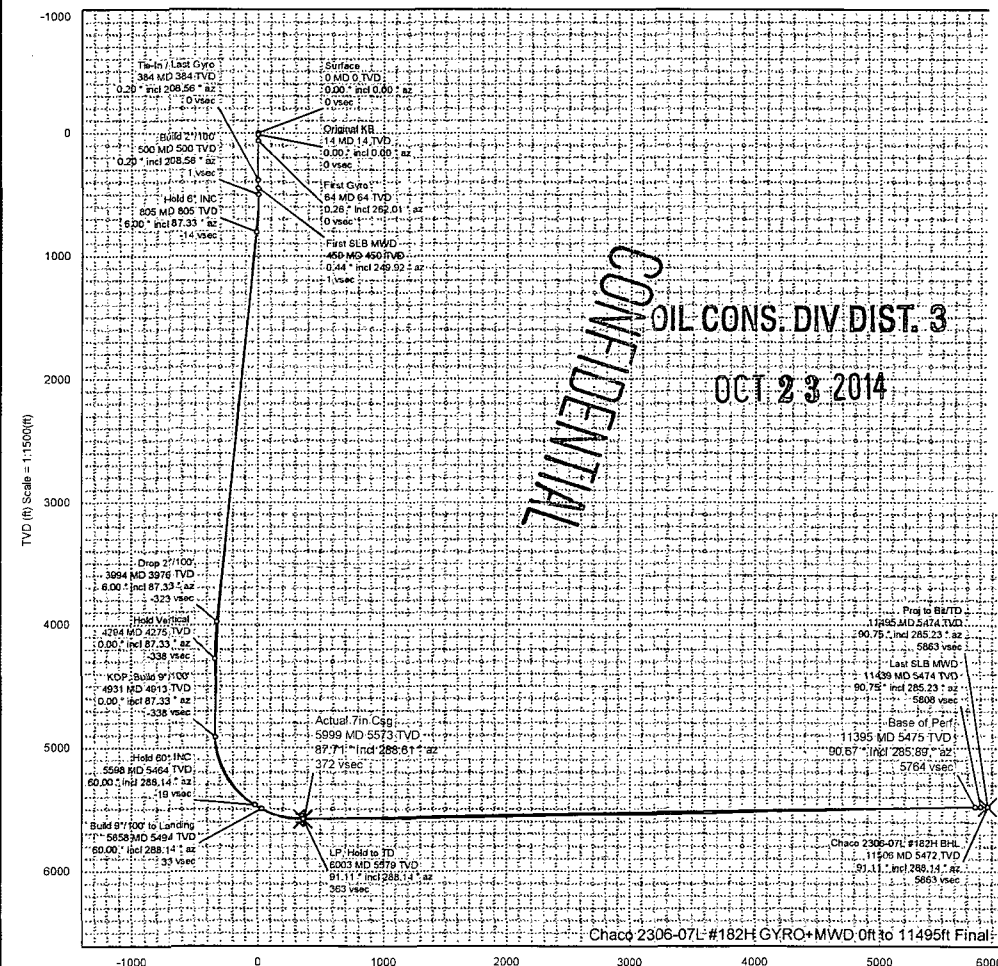
Borehole:	Well:	Field:	Structure:
Original Hole / Rev 2 Final Pva	Chaco 2306-07L #182H	NM, Rio Arriba / 07-23N-6W	(Chaco 2306-07L Pad) / AWS 980

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2014 Dip: 63.014° Date: 25-Aug-2014	NAD27 New Mexico State Plane, Central Zone, US Feet	Slot: Chaco 2306-07L #182H TVD Ref: KB 14ft @ 6964ft / GL: 6950ft above MSL
MagDec: 9.425° FS: 50075.221nT Gravity FS: 998.495mgm (9.80665 Based)	Lat: N 36 14 15.76 Northing: 1908179.84ftUS Grid Conv: -0.7492°	Plan: Chaco 2306-07L #182H GYRO+MWD Off to 11495ft Final
	Lon: W 107 31 2.17 Easting: 126273.72ftUS Scale Fact: 1.00005983	

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

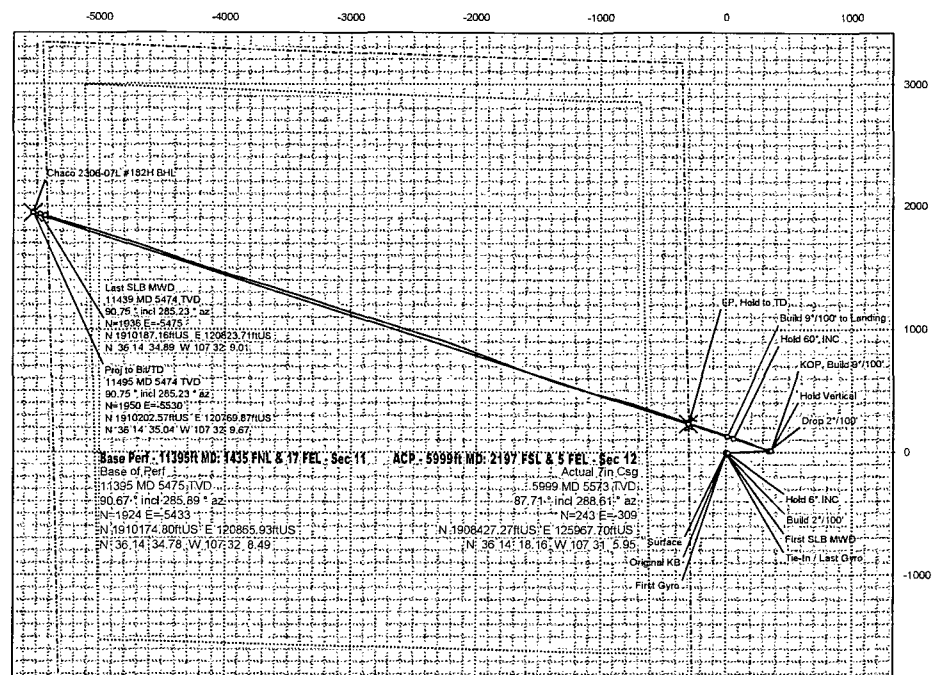


True North
Tot Corr (M->T 9.425°)
Mag Dec (9.425°)
Grid Conv (-0.749°)



Chaco 2306-07L #182H GYRO+MWD Off to 11495ft Final

Vertical Section (ft) Azim = 289.378° Scale = 1:1500(ft) Origin = GN-S, 0E-W



Surface Location						
Northing: 1908179.841		Easting: 126273.72		Latitude: N 36 14 15.76		VSec Azimuth: 289.378
Target Description		Grid Coord		Local Coord		
Target Name		Northing	Easting	TVD	VSec	N(+)/S(-) E(+)/W(-) DLS
Chaco 2306-07L #182H BHL		1910197.48	120758.41	5472.00	5863.05	1945.37 -5530.90
Chaco 2306-07L #182H PP		1908416.47	125973.50	5579.00	232.67	-303.27
Sec 12-T23N-R07W - 330' Setback		1908157.96	126276.38	6964.00	-10.03	-21.84 2.95
Sec 12-T23N-R07W - Section Line		1908157.96	126276.38	6964.00	-10.03	-21.84 2.95

Critical Points						
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-) E(+)/W(-) DLS
Surface	0.00	0.00	0.00	0.00	0.00	0.00 0.00
Original KB	14.00	0.00	0.00	14.00	0.00	0.00 0.00
Begin GYRO Survey	64.00	0.26	262.01	64.00	0.10	-0.02 -0.11 0.52
Last GYRO Survey	384.00	0.20	208.56	383.99	0.47	-1.73 -1.11 0.40
First SLB MWD	450.00	0.44	249.92	449.99	0.69	-1.92 -1.40 0.48
7in Csg	5999.00	87.71	288.61	5573.08	372.45	243.39 -309.21 4.06
Base of Perf	11395.00	90.67	285.89	5474.86	5763.68	1923.97 -5433.09 1.51
Final SLB MWD	11439.00	90.75	285.23	5474.31	5807.58	1935.77 -5475.48 1.51
Proj to BuTD	11495.00	90.75	285.23	5473.58	5863.43	1950.48 -5529.51 0.00

Chaco 2306-07L #182H GYRO+MWD Off to 11495ft Final Survey Report

(Def Survey)

Report Date: September 26, 2014 - 09:07 AM
Client: WPX Energy
Field: NM, Rio Arriba (NAD 27 CZ)
Structure / Slot: 07-23N-6W (Chaco 2306-07L Pad) / Chaco 2306-07L #182H
Well: Chaco 2306-07L #182H
Borehole: Original Hole
Rig Name / API#: AWS 980 / 30-039-31212
Survey Name: Chaco 2306-07L #182H GYRO+MWD Off to 11495ft Final
Survey Date: August 25, 2014
Tort / AHD / DDI / ERD Ratio: 225.132 * / 6561.952 ft / 6.485 / 1.181
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 14' 15.75600", W 107° 31' 2.17200"
Location Grid N/E Y/X: N 1908179.841 ftUS, E 126273.720 ftUS
CRS Grid Convergence Angle: -0.7492 °
Grid Scale Factor: 1.00005983
Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 289.378 * (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 14ft
TVD Reference Elevation: 6964.000 ft above MSL
Seabed / Ground Elevation: 6950.000 ft above MSL
Magnetic Declination: 9.425 °
Total Gravity Field Strength: 998.4953mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 50075.221 nT
Magnetic Dip Angle: 63.014 °
Declination Date: August 25, 2014
Magnetic Declination Model: BGGM 2014
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 9.4245 *
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	1908179.84	126273.72	N 36.237710	W 107.517270
Original KB	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	1908179.84	126273.72	N 36.237710	W 107.517270
Begin GYRO Survey	64.00	0.26	262.01	64.00	0.10	-0.02	-0.11	0.52	1908179.83	126273.61	N 36.237710	W 107.517270
	114.00	0.25	216.09	114.00	0.23	-0.12	-0.29	0.40	1908179.72	126273.43	N 36.237710	W 107.517271
	164.00	0.33	195.84	164.00	0.26	-0.35	-0.39	0.26	1908179.50	126273.32	N 36.237709	W 107.517271
	214.00	0.51	205.15	214.00	0.27	-0.69	-0.53	0.38	1908179.16	126273.18	N 36.237708	W 107.517272
	264.00	0.47	197.39	264.00	0.28	-1.08	-0.68	0.15	1908178.77	126273.02	N 36.237707	W 107.517272
	314.00	0.54	225.05	313.99	0.38	-1.45	-0.91	0.50	1908178.41	126272.79	N 36.237706	W 107.517273
	364.00	0.14	190.15	363.99	0.47	-1.67	-1.09	0.87	1908178.18	126272.61	N 36.237705	W 107.517274
Last GYRO Survey	384.00	0.20	208.56	383.99	0.47	-1.73	-1.11	0.40	1908178.13	126272.59	N 36.237705	W 107.517274
First SLB MWD	450.00	0.44	249.92	449.99	0.69	-1.92	-1.40	0.48	1908177.94	126272.29	N 36.237705	W 107.517275
	513.00	1.14	85.95	512.99	0.30	-1.95	-1.00	2.49	1908177.90	126272.69	N 36.237705	W 107.517273
	576.00	2.81	88.78	575.95	-1.72	-1.88	1.17	2.65	1908177.95	126274.86	N 36.237705	W 107.517266
	639.00	3.78	85.00	638.84	-5.06	-1.66	4.78	1.58	1908178.12	126278.48	N 36.237705	W 107.517254
	703.00	4.66	81.48	702.67	-9.28	-1.09	9.45	1.43	1908178.62	126283.16	N 36.237707	W 107.517238
	766.00	5.36	91.51	765.43	-14.34	-0.79	14.92	1.78	1908178.85	126288.63	N 36.237708	W 107.517219
	829.00	5.89	97.08	828.13	-20.30	-1.27	21.07	1.21	1908178.30	126294.78	N 36.237707	W 107.517199
	892.00	5.89	98.16	890.79	-26.63	-2.13	27.48	0.18	1908177.36	126301.17	N 36.237704	W 107.517177
	955.00	5.98	99.06	953.46	-33.03	-3.10	33.92	0.21	1908176.30	126307.60	N 36.237701	W 107.517155
	1018.00	5.10	90.88	1016.16	-38.91	-3.66	39.96	1.87	1908175.66	126313.63	N 36.237700	W 107.517135
	1082.00	5.10	83.03	1079.91	-44.16	-3.36	45.63	1.09	1908175.88	126319.30	N 36.237701	W 107.517115
	1143.00	5.45	83.82	1140.65	-49.20	-2.72	51.20	0.59	1908176.45	126324.88	N 36.237703	W 107.517096
	1203.00	5.72	82.44	1200.37	-54.44	-2.02	57.00	0.50	1908177.08	126330.69	N 36.237704	W 107.517077
	1264.00	5.80	86.48	1261.06	-59.99	-1.43	63.09	0.68	1908177.59	126336.79	N 36.237706	W 107.517056
	1325.00	5.54	90.57	1321.76	-65.61	-1.27	69.11	0.79	1908177.67	126342.81	N 36.237707	W 107.517036
	1386.00	6.24	84.05	1382.44	-71.40	-0.95	75.35	1.59	1908177.90	126349.06	N 36.237707	W 107.517015
	1447.00	6.42	81.45	1443.07	-77.41	-0.10	82.02	0.55	1908178.66	126355.74	N 36.237710	W 107.516992
	1508.00	6.33	84.44	1503.69	-83.47	0.73	88.74	0.56	1908179.41	126362.47	N 36.237712	W 107.516969
	1568.00	6.16	83.81	1563.33	-89.37	1.40	95.23	0.31	1908179.99	126368.97	N 36.237714	W 107.516947
	1630.00	6.60	83.07	1624.95	-95.57	2.18	102.08	0.72	1908180.69	126375.82	N 36.237716	W 107.516924
	1691.00	6.51	90.53	1685.55	-101.98	2.58	109.01	1.40	1908180.99	126382.76	N 36.237717	W 107.516900
	1751.00	6.77	92.88	1745.15	-108.59	2.37	115.95	0.63	1908180.69	126389.69	N 36.237717	W 107.516877
	1812.00	6.16	92.52	1805.76	-115.17	2.04	122.81	1.00	1908180.28	126396.55	N 36.237716	W 107.516854
	1873.00	6.16	89.32	1866.41	-121.38	1.94	129.35	0.56	1908180.09	126403.09	N 36.237715	W 107.516831
	1934.00	6.16	87.11	1927.06	-127.48	2.14	135.89	0.39	1908180.20	126409.64	N 36.237716	W 107.516809
	1995.00	5.72	80.80	1987.73	-133.18	2.79	142.16	1.29	1908180.77	126415.91	N 36.237718	W 107.516788
	2054.00	6.07	86.88	2046.42	-138.65	3.43	148.18	1.21	1908181.33	126421.94	N 36.237719	W 107.516768
	2116.00	6.07	93.59	2108.07	-144.83	3.41	154.72	1.14	1908181.22	126428.48	N 36.237719	W 107.516745
	2176.00	6.07	91.46	2167.74	-150.90	3.13	161.06	0.38	1908180.86	126434.82	N 36.237719	W 107.516724
	2237.00	5.89	88.62	2228.40	-156.89	3.12	167.41	0.57	1908180.77	126441.17	N 36.237719	W 107.516702
	2295.00	5.28	88.54	2286.13	-162.17	3.26	173.06	1.05	1908180.84	126446.81	N 36.237719	W 107.516683
	2391.00	5.10	90.20	2381.74	-170.33	3.36	181.74	0.24	1908180.82	126455.50	N 36.237719	W 107.516654
	2454.00	5.19	85.76	2444.48	-175.59	3.56	187.38	0.65	1908180.95	126461.14	N 36.237720	W 107.516635
	2517.00	5.72	86.47	2507.20	-181.09	3.96	193.36	0.85	1908181.27	126467.12	N 36.237721	W 107.516614
	2581.00	6.24	90.76	2570.85	-187.32	4.11	200.02	1.07	1908181.34	126473.79	N 36.237721	W 107.516592
	2645.00	5.63	82.38	2634.51	-193.42	4.48	206.61	1.65	1908181.62	126480.38	N 36.237722	W 107.516569
	2709.00	5.10	80.70	2698.23	-198.71	5.36	212.53	0.86	1908182.42	126486.31	N 36.237725	W 107.516549
	2772.00	5.36	79.19	2760.96	-203.71	6.36	218.18	0.47	1908183.35	126491.98	N 36.237727	W 107.516530
	2836.00	5.80	78.26	2824.66	-209.06	7.58	224.28	0.70	1908184.49	126498.09	N 36.237731	W 107.516510
	2899.00	5.54	77.97	2887.35	-214.38	8.86	230.37	0.42	1908185.69	126504.20	N 36.237734	W 107.516489
	2963.00	5.54	88.73	2951.05	-219.91	9.57	236.48	1.62	1908186.32	126510.32	N 36.237736	W 107.516468
	3026.00	5.72	89.39	3013.75	-225.71	9.68	242.66	0.30	1908186.34	126516.50	N 36.237737	W 107.516447
	3089.00	5.80	89.96	3076.43	-231.66	9.71	248.99	0.16	1908186.30	126522.83	N 36.237737	W 107.516426
	3152.00	5.45	89.23	3139.13	-237.47	9.75	255.16	0.57	1908186.26	126529.00	N 36.237737	W 107.516405
	3215.00	5.36	88.89	3201.85	-243.03	9.85	261.09	0.15	1908186.28	126534.93	N 36.237737	W 107.516385
	3278.00	5.45	82.33	3264.57	-248.46	10.31	267.00	0.99	1908186.66	126540.85	N 36.237738	W 107.516365
	3341.00	5.10	79.57	3327.30	-253.55	11.21	272.72	0.69	1908187.49	126546.58	N 36.237741	W 107.516345
	3404.00	5.19	86.36	3390.05	-258.60	11.90	278.32	0.98	1908188.10	126552.18	N 36.237743	W 107.516326
	3468.00	6.33	88.80	3453.72	-264.57	12.16	284.73	1.82	1908188.28	126558.60	N 36.237743	W 107.516305
	3531.00	6.86	89.21	3516.31	-271.35	12.28	291.97	0.84	1908188.31	126565.84	N 36.237744	W 107.516280
	3594.00	6.51	87.08	3578.88	-278.19	12.52	299.30	0.68	1908188.44	126573.17	N 36.237744	W 107.516255
	3657.00	5.98	83.01	3641.51	-284.43	13.10	306.12	1.10	1908188.94	126580.00	N 36.237746	W 107.516232
	3720.00	5.36	82.59	3704.20	-290.00	13.88	312.30	0.99	1908189.63	126586.19	N 36.237748	W 107.516211
	3783.00	4.66	82.27	3766.96	-294.91	14.60	317.75	1.11	1908190.29	126591.65	N 36.237750	W 107.516193
	3846.00	4.48	79.77	3829.76	-299.32	15.38	322.71	0.43	1908191.00	126596.62	N 36.237752	W 107.516176
	3909.00	4.40	80.36	3892.57	-303.57	16.22	327.51	0.15	1908191.78	126601.43	N 36.237755	W 107.516160
	3972.00	3.78	85.64	3955.41	-307.59	16.79	331.96	1.15	1908192.29	126605.89	N 36.237756	W 107.516144
	4036.00	3.78	86.46	4019.27	-311.46	17.08	336.17	0.08	1908192.52	126610.11	N 36.237757	W 107.516130
	4099.00	3.43	90.35	4082.14	-315.16	17.19	340.13	0.68	1908192.59	126614.07	N 36.237757	W 107.516117
	4162.00	2.81	84.59	4145.05	-318.34	17.33	343.55	1.10	1908192.68	126617.49	N 36.237758	W 107.516105

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 °)
	4225.00	2.02	81.63	4207.99	-320.73	17.63	346.19	1.27	1908192.95	126620.13	N 36.237758	W 107.516096
	4288.00	2.02	73.43	4270.95	-322.61	18.11	348.35	0.46	1908193.40	126622.30	N 36.237760	W 107.516089
	4352.00	2.11	80.41	4334.91	-324.55	18.63	350.59	0.42	1908193.89	126624.55	N 36.237761	W 107.516081
	4415.00	1.76	90.30	4397.88	-326.48	18.82	352.71	0.77	1908194.05	126626.66	N 36.237762	W 107.516074
	4478.00	1.76	86.11	4460.85	-328.28	18.88	354.64	0.20	1908194.08	126628.60	N 36.237762	W 107.516068
	4541.00	1.93	123.99	4523.82	-330.20	18.35	356.48	1.92	1908193.53	126630.43	N 36.237760	W 107.516061
	4605.00	2.55	141.97	4587.77	-332.44	16.63	358.25	1.45	1908191.78	126632.18	N 36.237756	W 107.516055
	4668.00	2.20	133.15	4650.71	-334.73	14.70	360.00	0.80	1908189.83	126633.92	N 36.237750	W 107.516049
	4731.00	2.20	146.81	4713.67	-336.80	12.86	361.54	0.83	1908187.97	126635.40	N 36.237745	W 107.516044
	4794.00	2.11	173.29	4776.62	-338.27	10.69	362.34	1.57	1908185.80	126636.19	N 36.237739	W 107.516041
	4857.00	1.85	184.92	4839.59	-339.03	8.53	362.39	0.76	1908183.63	126636.21	N 36.237733	W 107.516041
	4920.00	1.93	288.22	4902.57	-338.22	7.85	361.29	4.71	1908182.96	126635.11	N 36.237732	W 107.516045
	4983.00	8.88	305.15	4965.25	-332.48	10.98	356.30	11.20	1908186.16	126630.16	N 36.237740	W 107.516062
	5047.00	15.56	298.30	5027.77	-319.23	17.90	344.69	10.66	1908193.24	126618.64	N 36.237759	W 107.516101
	5110.00	19.52	291.58	5087.83	-300.35	25.79	327.46	7.05	1908201.34	126601.51	N 36.237781	W 107.516160
	5173.00	22.95	287.96	5146.55	-277.55	33.45	305.98	5.83	1908209.29	126580.13	N 36.237802	W 107.516233
	5236.00	27.96	289.45	5203.42	-250.48	42.16	280.35	8.02	1908218.33	126554.62	N 36.237826	W 107.516319
	5299.00	33.41	292.11	5257.58	-218.36	53.61	250.33	8.91	1908230.18	126524.75	N 36.237857	W 107.516421
	5363.00	36.93	292.33	5309.89	-181.55	67.55	216.21	5.50	1908244.57	126490.81	N 36.237896	W 107.516537
	5426.00	42.82	291.06	5358.21	-141.21	82.45	178.69	9.44	1908259.95	126453.48	N 36.237936	W 107.516664
	5489.00	48.36	290.53	5402.28	-96.24	98.41	136.63	8.81	1908276.47	126411.63	N 36.237980	W 107.516807
	5552.00	54.26	289.61	5441.65	-47.09	115.27	90.46	9.43	1908293.92	126365.68	N 36.238027	W 107.516963
	5615.00	59.62	287.87	5476.01	5.68	132.20	40.47	8.82	1908311.51	126315.92	N 36.238073	W 107.517133
	5679.00	63.84	287.74	5506.31	62.02	149.43	-13.18	6.60	1908329.44	126262.49	N 36.238120	W 107.517315
	5742.00	71.14	287.39	5530.41	120.15	166.98	-68.63	11.60	1908347.71	126207.27	N 36.238169	W 107.517503
	5805.00	76.15	287.13	5548.15	180.54	184.91	-126.34	7.96	1908366.39	126149.80	N 36.238218	W 107.517698
	5868.00	80.11	287.92	5561.10	242.15	203.47	-185.12	6.40	1908385.73	126091.26	N 36.238269	W 107.517898
	5932.00	85.65	287.45	5569.03	305.60	222.75	-245.60	8.69	1908405.80	126031.04	N 36.238322	W 107.518103
	5944.00	87.74	287.55	5569.93	317.56	226.35	-257.02	1.12	1908409.55	126019.67	N 36.238332	W 107.518141
7in Csg	5999.00	87.71	288.61	5573.08	372.45	243.39	-309.21	4.06	1908427.27	125967.70	N 36.238379	W 107.518318
	6047.00	89.43	289.53	5574.27	420.43	259.07	-354.56	4.06	1908443.54	125922.56	N 36.238422	W 107.518472
	6110.00	89.60	289.91	5574.81	483.43	280.33	-413.86	0.66	1908465.57	125863.53	N 36.238480	W 107.518673
	6173.00	90.40	289.42	5574.81	546.43	301.53	-473.19	1.49	1908487.55	125804.49	N 36.238538	W 107.518874
	6236.00	90.48	288.93	5574.32	609.43	322.22	-532.69	0.79	1908509.02	125745.26	N 36.238595	W 107.519076
	6300.00	90.84	289.39	5573.59	673.42	343.22	-593.14	0.91	1908530.81	125685.08	N 36.238653	W 107.519281
	6363.00	90.31	288.84	5572.95	736.42	363.85	-652.67	1.21	1908552.22	125625.83	N 36.238709	W 107.519483
	6426.00	89.78	286.95	5572.91	799.39	383.21	-712.61	3.12	1908572.36	125566.14	N 36.238763	W 107.519686
	6489.00	89.96	286.61	5573.05	862.33	401.40	-772.93	0.61	1908591.33	125506.06	N 36.238813	W 107.519891
	6553.00	90.57	286.41	5572.75	926.25	419.58	-834.29	1.00	1908610.32	125444.94	N 36.238863	W 107.520099
	6616.00	89.96	285.29	5572.46	989.13	436.79	-894.90	2.02	1908628.32	125384.56	N 36.238910	W 107.520304
	6678.00	90.57	284.89	5572.17	1050.95	452.93	-954.76	1.18	1908645.24	125324.91	N 36.238954	W 107.520507
	6739.00	90.31	284.66	5571.71	1111.75	468.49	-1013.74	0.57	1908661.57	125266.14	N 36.238997	W 107.520707
	6800.00	89.34	284.95	5571.89	1172.56	484.07	-1072.71	1.66	1908677.93	125207.37	N 36.239040	W 107.520907
	6861.00	91.45	287.22	5571.47	1233.45	500.97	-1131.31	5.08	1908695.59	125148.99	N 36.239086	W 107.521106
	6923.00	89.43	285.96	5571.00	1295.37	518.67	-1190.73	3.84	1908714.07	125089.81	N 36.239135	W 107.521307
	6985.00	90.84	286.64	5570.85	1357.28	536.07	-1250.23	2.52	1908732.25	125030.33	N 36.239182	W 107.521509
	7046.00	92.68	287.56	5568.98	1418.20	554.00	-1308.51	3.37	1908750.94	124972.49	N 36.239232	W 107.521707
	7106.00	92.77	288.80	5566.12	1478.11	572.70	-1365.45	2.07	1908770.38	124915.80	N 36.239283	W 107.521900
	7167.00	90.92	289.61	5564.16	1539.08	592.75	-1423.02	3.31	1908791.19	124858.49	N 36.239338	W 107.522095
	7228.00	90.13	290.25	5563.60	1600.07	613.54	-1480.36	1.67	1908812.73	124801.42	N 36.239395	W 107.522289
	7289.00	90.40	290.20	5563.32	1661.07	634.63	-1537.60	0.45	1908834.56	124744.46	N 36.239453	W 107.522484
	7350.00	90.68	290.77	5562.75	1722.05	655.98	-1594.74	1.03	1908856.66	124687.60	N 36.239512	W 107.522677
	7411.00	90.48	290.79	5562.15	1783.03	677.62	-1651.77	0.30	1908879.04	124630.86	N 36.239571	W 107.522871
	7471.00	90.84	290.59	5561.46	1843.01	698.82	-1707.90	0.69	1908900.97	124575.01	N 36.239629	W 107.523061
	7532.00	91.10	290.79	5560.42	1903.99	720.37	-1764.95	0.54	1908923.27	124518.24	N 36.239689	W 107.523254
	7593.00	91.45	290.98	5559.07	1964.95	742.11	-1821.93	0.65	1908945.75	124461.54	N 36.239748	W 107.523448
	7654.00	91.71	291.83	5557.38	2025.89	764.36	-1878.70	1.46	1908968.75	124405.07	N 36.239809	W 107.523640
	7715.00	90.40	290.61	5556.26	2086.84	786.43	-1935.55	2.93	1908991.56	124348.50	N 36.239870	W 107.523833
	7776.00	90.92	290.81	5555.56	2147.82	808.00	-1992.61	0.91	1909013.88	124291.73	N 36.239929	W 107.524026
	7837.00	91.19	291.23	5554.43	2208.79	829.88	-2049.54	0.82	1909036.50	124235.09	N 36.239989	W 107.524219
	7897.00	91.28	290.50	5553.14	2268.75	851.25	-2105.59	1.23	1909058.60	124179.32	N 36.240048	W 107.524410
	7957.00	91.80	291.02	5551.53	2328.71	872.51	-2161.67	1.23	1909080.59	124123.51	N 36.240106	W 107.524600
	8019.00	91.89	289.56	5549.53	2390.67	893.99	-2219.80	2.36	1909102.84	124065.68	N 36.240165	W 107.524797
	8079.00	91.71	287.91	5547.65	2450.63	913.26	-2276.59	2.76	1909122.84	124009.14	N 36.240218	W 107.524989
	8139.00	91.63	287.20	5545.90	2510.58	931.34	-2333.77	1.19	1909141.68	123952.20	N 36.240268	W 107.525183
	8201.00	91.36	286.92	5544.28	2572.51	949.53	-2393.02	0.63	1909160.63	123893.18	N 36.240318	W 107.525384
	8262.00	91.63	287.46	5542.69	2633.44	967.55	-2451.27	0.99	1909179.42	123835.17	N 36.240367	W 107.525582
	8323.00	89.87	287.73	5541.89	2694.40	985.99	-2509.41	2.92	1909198.61	123777.27	N 36.240418	W 107.525779
	8384.00	90.22	287.63	5541.84	2755.38	1004.51	-2567.53	0.60	1909217.90	123719.39	N 36.240469	W 107.525976
	8445.00	90.04	287.56	5541.71	2816.35	1022.95	-2625.68	0.32	1909237.10	123661.49	N 36.240520	W 107.526173
	8506.00	90.31	288.15	5541.52	2877.33	1041.65	-2683.74	1.06	1909256.56	123603.68	N 36.240571	W 107.526370
	8567.00	90.04	288.24	5541.33	2938.31	1060.70	-2741.69	0.47	1909276.37	123545.98	N 36.240623	W 107.526566
	8628.00	90.66	287.66	5540.96	2999.29	1079.50	-2799.72	1.39	1909295.92	123488.20	N 36.240675	W 107.526763
	8689.00	91.01	287.92	5540.07	3060.26	1098.14	-2857.79	0.71	1909315.32	123430.36	N 36.240726	W 107.526960
	8750.00	91.10	287.55	5538.95	3121.23	1116.71	-2915.89	0.62	1909334.65	123372.52	N 36.240777	W 107.527157
	8809.00	90.75	286.84	5538.00	3180.17	1134.15	-2972.24	1.34	1909352.83	123316.39	N 36.240825	W 107.527348
	8872.00	90.84	287.14	5537.12	3243.11	1152.56	-3032.49	0.50	1909372.02	123256.39	N 36.240876	W 107.527552
	8936.00	90.66	288.56	5536.28	3307.08	1172.18	-3093.					

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 °)
	10064.00	90.48	287.61	5510.74	4433.99	1513.53	-4167.91	0.74	1909747.83	122125.72	N 36.241867	W 107.531403
	10127.00	91.71	287.71	5509.54	4496.94	1532.64	-4227.93	1.96	1909767.72	122065.95	N 36.241919	W 107.531606
	10190.00	92.68	289.66	5507.13	4559.89	1552.81	-4287.56	3.45	1909788.67	122006.58	N 36.241975	W 107.531808
	10254.00	91.54	289.35	5504.77	4623.85	1574.16	-4347.85	1.85	1909810.81	121946.58	N 36.242033	W 107.532013
	10317.00	91.63	288.91	5503.03	4686.82	1594.80	-4407.34	0.71	1909832.23	121887.35	N 36.242090	W 107.532215
	10380.00	93.39	290.02	5500.27	4749.76	1615.77	-4466.68	3.30	1909853.97	121828.29	N 36.242147	W 107.532416
	10443.00	92.59	289.51	5496.98	4812.67	1637.04	-4525.89	1.51	1909876.02	121769.36	N 36.242206	W 107.532617
	10507.00	92.59	288.98	5494.09	4876.60	1658.12	-4586.25	0.83	1909897.88	121709.28	N 36.242264	W 107.532821
	10570.00	91.63	289.94	5491.77	4939.56	1678.57	-4645.79	1.53	1909919.12	121650.01	N 36.242320	W 107.533023
	10633.00	91.71	289.42	5489.93	5002.53	1699.26	-4705.27	0.77	1909940.58	121590.80	N 36.242377	W 107.533225
	10696.00	90.31	288.25	5488.82	5065.51	1719.60	-4764.88	2.90	1909961.70	121531.45	N 36.242432	W 107.533427
	10759.00	90.92	287.82	5486.15	5128.49	1739.10	-4824.79	1.18	1909981.98	121471.81	N 36.242486	W 107.533630
	10822.00	91.54	287.56	5486.80	5191.45	1758.24	-4884.79	1.07	1910001.91	121412.05	N 36.242539	W 107.533834
	10886.00	91.36	288.25	5485.18	5255.41	1777.91	-4945.67	1.11	1910022.37	121351.43	N 36.242593	W 107.534040
	10949.00	90.04	287.10	5484.41	5318.37	1797.03	-5005.69	2.78	1910042.28	121291.67	N 36.242645	W 107.534244
	11012.00	90.57	286.88	5484.07	5381.32	1815.44	-5065.94	0.91	1910061.48	121231.66	N 36.242696	W 107.534448
	11075.00	90.84	285.67	5483.30	5444.22	1833.10	-5126.41	1.97	1910079.92	121171.42	N 36.242744	W 107.534653
	11139.00	92.33	286.25	5481.53	5508.08	1850.69	-5187.92	2.50	1910098.32	121110.15	N 36.242792	W 107.534861
	11202.00	91.80	286.28	5479.26	5570.95	1868.32	-5248.36	0.84	1910116.74	121049.94	N 36.242841	W 107.535066
	11265.00	90.75	286.23	5477.85	5633.84	1885.95	-5308.82	1.67	1910135.16	120989.70	N 36.242889	W 107.535271
	11328.00	91.98	288.00	5476.35	5696.76	1904.48	-5369.01	3.42	1910154.48	120929.76	N 36.242940	W 107.535476
	11391.00	90.66	285.95	5474.90	5759.69	1922.87	-5429.25	3.87	1910173.65	120869.77	N 36.242991	W 107.535680
Base of Perf	11395.00	90.67	285.89	5474.86	5763.68	1923.97	-5433.09	1.51	1910174.80	120865.93	N 36.242994	W 107.535693
Final SLB MWD	11439.00	90.75	285.23	5474.31	5807.58	1935.77	-5475.48	1.51	1910187.16	120823.71	N 36.243026	W 107.535837
Proj to Bit/TD	11495.00	90.75	285.23	5473.58	5863.43	1950.48	-5529.51	0.00	1910202.57	120769.87	N 36.243066	W 107.536020

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 (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	14.000	1/98.425	12.250	9.625	SLB_NSG+MSHOT-Depth Only	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final
	1	14.000	14.000	Act Sins	12.250	9.625	SLB_NSG+MSHOT-Depth Only	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final
	1	14.000	384.000	Act Sins	12.250	9.625	SLB_NSG+MSHOT	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final
	1	384.000	6004.000	Act Sins	8.750	7.000	SLB_MWD-STD	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final
	1	6004.000	11439.000	Act Sins	6.125	4.500	SLB_MWD-STD	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final
	1	11439.000	11495.000	Act Sins	6.125	4.500	SLB_BLIND-TREND	OH / Chaco 2306-07L #182H GYRO-MWD 0ft to 11495ft Final