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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

*API Number 30-043-21191		*Pool Code 42289	*Pool Name LYBROOK GALLUP
*Property Code 313123	*Property Name CHACO 2306-20L		*Well Number 207H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 7038'

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	20	23N	6W		2115	SOUTH	170	WEST	SANDOVAL

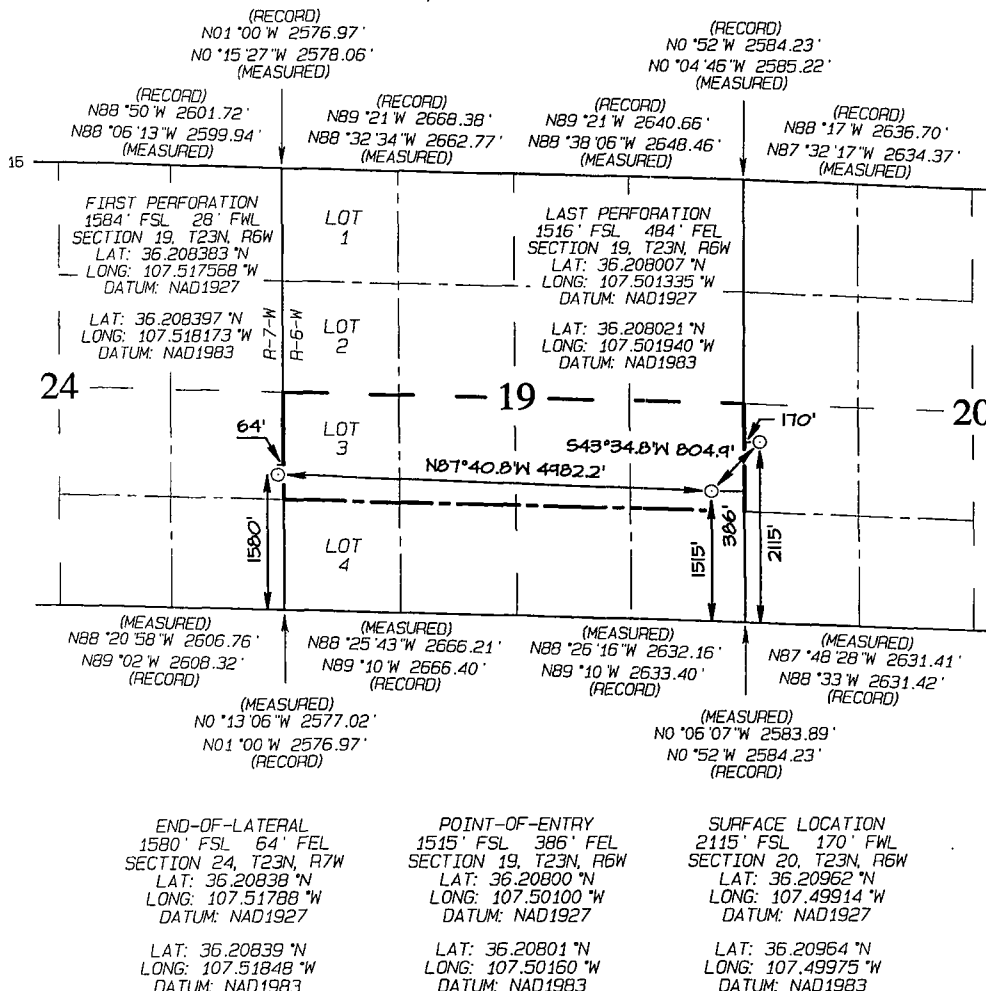
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	24	23N	7W		1580	SOUTH	64	EAST	SANDOVAL

12 Dedicated Acres 160.94	N/2 S/2 - Section 19	13 Joint or Infill	14 Consolidation Code	15 Order No. R-13817-A
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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

AUG 01 2014



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: 7/31/14

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: JULY 28, 2014
Date of Survey: AUGUST 21, 2013

Signature and Seal of Professional Surveyor



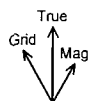
JASON C. EDWARDS

Certificate Number 15269

Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2306-20L #207H	NM Sandoval County NAD27	WPX Sec 20-23N-6W - AWS 980

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2014 Dip: 62.997° Date: 19-Jun-2014	NAD27 New Mexico State Plane, Central Zone, US Feet	Slot: Chaco 2306-20L #207H
MagDec: 9.431° FS: 50084.527nT Gravity FS: 998.484mgn (9.80665 Based)	Lat: N 36 12 34.63 Northing: 1897884.748ft Grid Conv: -0.738°	TVD Ref: RKB(7052ft above MSL)
	Lon: W 107 29 58.90 Easting: 531488.873ft Scale Fact: 1.0000554	Plan: Chaco 2306-20L #207H MWD 0' to 11060' Definitive

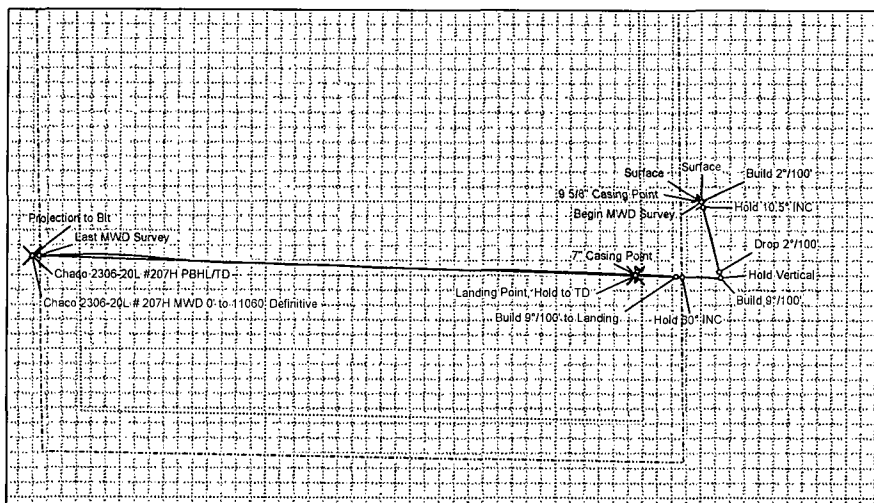
PvA



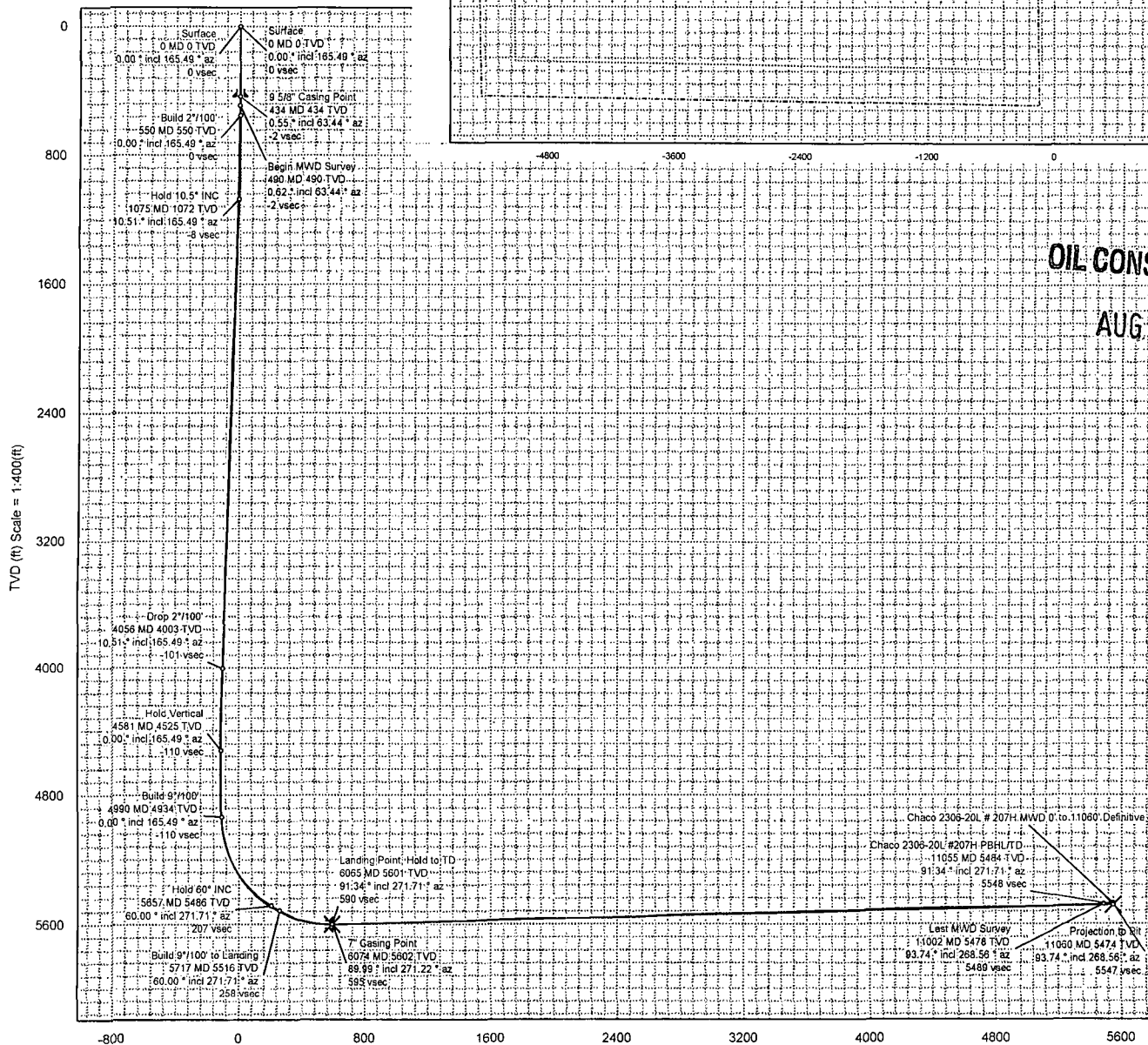
True North
Tot Corr (M->T 9.431°)
Mag Dec (9.431°)
Grid Conv (-0.738°)



EW (ft) Scale = 1,600(ft)



N (ft) Scale = 1,600(ft)



Vertical Section (ft) Azim = 265.359° Scale = 1:400(ft) Origin = 0N-S, 0E-W

OIL CONS. DIV DIST. 8

AUG 01 2014



Chaco 2306-20L # 207H MWD 0' to 11060' Definitive Survey Geodetic Report (Def Survey)



Report Date: July 07, 2014 - 02:37 PM
Client: WPX Energy
Field: NM Sandoval County NAD27
Structure / Slot: WPX Sec 20-23N-6W (Chaco 2306-20L #207H) - AWS 980 / Chaco 2306-20L #207H
Well: Chaco 2306-20L #207H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2306-20L # 207H MWD 0' to 11060' Definitive
Survey Date: June 19, 2014
Tort / AHD / DDI / ERD Ratio: 222.876 ° / 6348.351 ft / 6.446 / 1.133
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 12' 34.63200", W 107° 29' 56.90400"
Location Grid N/E Y/X: N 1897884.748 ftUS, E 131488.873 ftUS
CRS Grid Convergence Angle: -0.7380 °
Grid Scale Factor: 1.0000554
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 265.359 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 7052.000 ft above MSL
Seabed / Ground Elevation: 7038.000 ft above MSL
Magnetic Declination: 9.431 °
Total Gravity Field Strength: 998.4842mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 50084.527 nT
Magnetic Dip Angle: 62.997 °
Declination Date: June 19, 2014
Magnetic Declination Model: BGGM 2014
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 9.4314 °
Local Coord Referenced To: Well Head

CONFIDENTIAL

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	165.49	0.00	0.00	0.00	0.00	N/A	1897884.75	131488.87	N 36 12 34.63	W 107 29 56.90
	100.00	0.13	63.44	100.00	-0.10	0.05	0.10	0.13	1897884.80	131488.97	N 36 12 34.63	W 107 29 56.90
	200.00	0.25	63.44	200.00	-0.41	0.20	0.40	0.13	1897884.94	131489.27	N 36 12 34.63	W 107 29 56.90
	300.00	0.38	63.44	300.00	-0.92	0.44	0.89	0.13	1897885.18	131489.77	N 36 12 34.64	W 107 29 56.89
	400.00	0.51	63.44	399.99	-1.64	0.79	1.58	0.13	1897885.52	131490.46	N 36 12 34.64	W 107 29 56.88
9 5/8" Casing Point Begin MWD Survey	434.00	0.55	63.44	433.99	-1.93	0.93	1.86	0.13	1897885.65	131490.75	N 36 12 34.64	W 107 29 56.88
	490.00	0.62	63.44	489.99	-2.46	1.19	2.37	0.13	1897885.90	131491.26	N 36 12 34.64	W 107 29 56.88
	500.00	0.58	63.80	499.99	-2.56	1.23	2.47	0.39	1897885.95	131491.35	N 36 12 34.64	W 107 29 56.87
	513.00	0.53	64.36	512.98	-2.67	1.29	2.58	0.39	1897886.00	131491.47	N 36 12 34.64	W 107 29 56.87
	577.00	3.69	154.83	576.94	-3.67	-0.45	3.72	5.83	1897884.25	131492.59	N 36 12 34.63	W 107 29 56.86
	600.00	3.95	156.81	599.89	-4.18	-1.85	4.35	1.25	1897882.85	131493.20	N 36 12 34.61	W 107 29 56.85
	640.00	4.40	159.69	639.79	-5.04	-4.55	5.42	1.25	1897880.13	131494.24	N 36 12 34.59	W 107 29 56.84
	700.00	4.56	156.88	699.60	-6.41	-8.90	7.16	0.45	1897875.75	131495.92	N 36 12 34.54	W 107 29 56.82
	703.00	4.57	156.74	702.59	-6.49	-9.12	7.25	0.45	1897875.53	131496.01	N 36 12 34.54	W 107 29 56.82
	766.00	5.98	162.37	765.33	-8.03	-14.56	9.24	2.38	1897870.07	131497.92	N 36 12 34.49	W 107 29 56.79
	800.00	6.64	165.13	799.12	-8.78	-18.14	10.28	2.13	1897866.47	131498.92	N 36 12 34.45	W 107 29 56.78
	829.00	7.21	167.09	827.91	-9.34	-21.54	11.12	2.13	1897863.07	131499.71	N 36 12 34.42	W 107 29 56.77
	892.00	6.95	166.82	890.43	-10.47	-29.10	12.87	0.42	1897855.48	131501.37	N 36 12 34.34	W 107 29 56.75
	900.00	7.15	167.16	898.37	-10.61	-30.06	13.09	2.52	1897854.52	131501.57	N 36 12 34.33	W 107 29 56.74
	956.00	8.53	169.13	953.84	-11.56	-37.53	14.65	2.52	1897847.03	131503.03	N 36 12 34.26	W 107 29 56.73
	1000.00	9.51	170.30	997.30	-12.24	-44.32	15.87	2.28	1897840.22	131504.18	N 36 12 34.19	W 107 29 56.71
	1019.00	9.94	170.74	1016.03	-12.51	-47.49	16.40	2.28	1897837.05	131504.66	N 36 12 34.16	W 107 29 56.70
	1082.00	10.20	168.82	1078.05	-13.58	-58.33	18.36	0.67	1897826.18	131506.48	N 36 12 34.06	W 107 29 56.68
	1100.00	10.20	169.15	1095.77	-13.93	-61.46	18.97	0.32	1897823.05	131507.05	N 36 12 34.02	W 107 29 56.67
	1143.00	10.20	169.93	1138.09	-14.70	-68.95	20.35	0.32	1897815.54	131508.33	N 36 12 33.95	W 107 29 56.66
	1200.00	10.03	171.07	1194.20	-15.55	-78.82	22.00	0.46	1897805.65	131509.86	N 36 12 33.85	W 107 29 56.64
	1204.00	10.02	171.15	1198.14	-15.61	-79.51	22.11	0.46	1897804.96	131509.96	N 36 12 33.85	W 107 29 56.63
	1266.00	10.55	166.78	1259.15	-16.85	-90.36	24.24	1.52	1897794.08	131511.95	N 36 12 33.74	W 107 29 56.61
	1300.00	10.55	165.88	1292.57	-17.82	-96.41	25.71	0.49	1897788.01	131513.34	N 36 12 33.68	W 107 29 56.59
	1327.00	10.55	165.16	1319.12	-18.67	-101.20	26.95	0.49	1897783.21	131514.51	N 36 12 33.63	W 107 29 56.58
	1387.00	10.46	165.36	1378.11	-20.59	-111.78	29.73	0.16	1897772.59	131517.16	N 36 12 33.53	W 107 29 56.54
	1400.00	10.46	165.73	1390.90	-20.99	-114.06	30.32	0.51	1897770.30	131517.72	N 36 12 33.50	W 107 29 56.53
	1448.00	10.46	167.08	1438.10	-22.35	-122.53	32.37	0.51	1897761.80	131519.66	N 36 12 33.42	W 107 29 56.51
	1500.00	10.31	166.15	1489.25	-23.77	-131.65	34.54	0.43	1897752.66	131521.71	N 36 12 33.33	W 107 29 56.48
	1509.00	10.29	165.99	1498.10	-24.03	-133.21	34.92	0.43	1897751.09	131522.08	N 36 12 33.31	W 107 29 56.48
	1570.00	10.29	164.82	1558.12	-25.91	-143.76	37.67	0.34	1897740.51	131524.69	N 36 12 33.21	W 107 29 56.44
	1600.00	10.29	164.32	1587.64	-26.92	-148.92	39.10	0.30	1897735.32	131526.05	N 36 12 33.16	W 107 29 56.43
	1630.00	10.29	163.82	1617.15	-27.97	-154.08	40.57	0.30	1897730.15	131527.45	N 36 12 33.11	W 107 29 56.41
	1691.00	10.64	164.40	1677.14	-30.13	-164.73	43.60	0.60	1897719.46	131530.35	N 36 12 33.00	W 107 29 56.37
	1700.00	10.61	164.28	1685.99	-30.44	-166.33	44.05	0.38	1897717.85	131530.78	N 36 12 32.99	W 107 29 56.37
	1752.00	10.46	163.58	1737.11	-32.33	-175.47	46.68	0.38	1897708.68	131533.29	N 36 12 32.90	W 107 29 56.33
	1800.00	10.18	162.67	1784.33	-34.15	-183.70	49.17	0.67	1897700.42	131535.68	N 36 12 32.82	W 107 29 56.30
	1813.00	10.11	162.42	1797.13	-34.66	-185.88	49.86	0.67	1897698.23	131536.34	N 36 12 32.79	W 107 29 56.30
	1874.00	10.11	161.72	1857.18	-37.12	-196.07	53.16	0.20	1897688.00	131539.50	N 36 12 32.69	W 107 29 56.26
	1900.00	10.18	160.41	1882.77	-38.25	-200.40	54.64	0.93	1897683.65	131540.93	N 36 12 32.65	W 107 29 56.24
	1935.00	10.29	158.67	1917.22	-39.95	-206.23	56.82	0.93	1897677.79	131543.03	N 36 12 32.59	W 107 29 56.21
	1996.00	9.58	159.30	1977.30	-42.91	-216.05	60.59	1.18	1897667.92	131546.68	N 36 12 32.50	W 107 29 56.16
	2000.00	9.54	159.50	1981.25	-43.10	-216.68	60.83	1.27	1897667.29	131546.91	N 36 12 32.49	W 107 29 56.16
	2060.00	8.97	162.64	2040.47	-45.49	-225.80	63.97	1.27	1897658.13	131549.93	N 36 12 32.40	W 107 29 56.12
	2100.00	9.63	165.15	2079.94	-46.77	-232.01	65.75	1.94	1897651.90	131551.64	N 36 12 32.34	W 107 29 56.10
	2123.00	10.02	166.44	2102.60	-47.42	-235.81	66.72	1.94	1897648.08	131552.55	N 36 12 32.30	W 107 29 56.09
	2186.00	10.11	169.64	2164.63	-48.82	-246.58	69.00	0.90	1897637.28	131554.69	N 36 12 32.19	W 107 29 56.06
	2200.00	10.09	169.03	2178.42	-49.08	-248.99	69.45	0.77	1897634.87	131555.11	N 36 12 32.17	W 107 29 56.06
	2249.00	10.03	166.90	2226.66	-50.18	-257.36	71.23	0.77	1897626.47	131556.79	N 36 12 32.09	W 107 29 56.03
	2300.00	9.74	167.73	2276.91	-51.40	-265.90	73.16	0.64	1897617.91	131558.60	N 36 12 32.00	W 107 29 56.01
	2312.00	9.67	167.93	2288.73	-51.67	-267.88	73.58	0.64	1897615.93	131559.00	N 36 12 31.98	W 107 29 56.01
	2400.00	9.58	164.61	2375.50	-53.99	-282.17	77.07	0.64	1897601.59	131562.31	N 36 12 31.84	W 107 29 55.96
	2405.00	9.58	164.42	2380.43	-54.15	-282.97	77.30	0.64	1897600.79	131562.52	N 36 12 31.83	W 107 29 55.96
	2468.00	9.23	163.81	2442.58	-56.15	-292.88	80.11	0.58	1897590.85	131565.21	N 36 12 31.74	W 107 29 55.93
	2500.00	9.54	164.19	2474.15	-57.18	-297.89	81.55	1.00	1897585.81	131566.58	N 36 12 31.69	W 107 29 55.91
	2531.00	9.85	164.54	2504.71	-58.17	-302.92	82.96	1.00	1897580.77	131567.93	N 36 12 31.64	W 107 29 55.89
	2594.00	10.82	167.55	2566.69	-59.99	-313.89	85.67	1.76	1897569.76	131570.50	N 36 12 31.53	W 107 29 55.86
	2600.00	10.75	167.52	2572.58	-60.14	-314.99	85.91	1.13	1897568.66	131570.72	N 36 12 31.52	W 107 29 55.86
	2657.00	10.11	167.26	2628.64	-61.57	-325.06	88.16	1.13	1897558.56	131572.85	N 36 12 31.42	W 107 29 55.83
	2700.00	9.87	166.14	2670.98	-62.69	-332.32	89.88	0.71	1897551.28	131574.47	N 36 12 31.35	W 107 29 55.81
	2721.00	9.76	165.58	2691.68	-63.29	-335.79	90.75	0.71	1897547.80	131575.30	N 36 12 31.31	W 107 29 55.80
	2784.00	10.90	166.95	2753.66	-65.06	-346.77	93.43	1.85	1897536.79	131577.83	N 36 12 31.20	W 107 29 55.76
	2800.00	11.08	167.76	2769.36	-65.49	-349.74	94.09	1.47	1897533.80	131578.46	N 36 12 31.17	W 107 29 55.76
	2847.00	11.61	170.01	2815.44	-66.53	-358.81	95.87	1.47	1897524.71	131580.12	N 36 12 31.08	W 107 29 55.73
	2900.00	11.32	169.29	2867.39	-67.57	-365.17	97.76	0.62	1897514.33	131581.86	N 36 12 30.98	W 107 29 55.71
	2910.00	11.26	169.15	2877.19	-67.78	-371.10	98.13	0.62	1897512.40	131582.22	N 36 12 30.96	W 107 29 55.71
	2974.00	10.73	165.21	2940.02	-69.51	-382.99	100.83	1.44	1897500.47	131584.76	N 36 12 30.84	W 107 29 55.67
	3000.00	10.69	165.30	2965.57	-70.35	-387.67	102.06	0.15	1897495.78	131585.93		

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northings (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	3165.00	9.76	164.19	3127.86	-75.72	-416.37	109.77	1.00	1897466.97	131593.27	N 36 12 30.51 W	107 29 55.56
	3200.00	9.76	163.18	3162.36	-76.92	-422.07	111.43	0.49	1897461.26	131594.87	N 36 12 30.46 W	107 29 55.54
	3228.00	9.76	162.37	3189.95	-77.95	-426.60	112.84	0.49	1897456.71	131596.21	N 36 12 30.41 W	107 29 55.53
	3291.00	9.32	163.81	3252.08	-80.17	-436.59	115.88	0.79	1897446.68	131599.12	N 36 12 30.31 W	107 29 55.49
	3300.00	9.21	163.66	3260.96	-80.47	-437.98	116.28	1.28	1897445.29	131599.51	N 36 12 30.30 W	107 29 55.49
	3354.00	8.53	162.69	3314.32	-82.22	-445.95	118.69	1.28	1897437.29	131601.82	N 36 12 30.22 W	107 29 55.46
	3400.00	9.28	165.69	3359.76	-83.59	-452.80	120.62	1.92	1897430.41	131603.66	N 36 12 30.15 W	107 29 55.43
	3418.00	9.58	166.74	3377.52	-84.06	-455.66	121.33	1.92	1897427.54	131604.33	N 36 12 30.13 W	107 29 55.42
	3481.00	10.64	169.73	3439.54	-85.42	-466.49	123.57	1.88	1897416.68	131606.43	N 36 12 30.02 W	107 29 55.40
	3500.00	10.51	169.69	3458.22	-85.76	-469.92	124.19	0.70	1897413.24	131607.00	N 36 12 29.98 W	107 29 55.39
	3544.00	10.20	169.60	3501.50	-86.55	-477.70	125.61	0.70	1897405.45	131608.33	N 36 12 29.91 W	107 29 55.37
	3600.00	9.97	167.44	3556.64	-87.71	-487.31	127.56	0.79	1897395.81	131610.15	N 36 12 29.81 W	107 29 55.35
	3607.00	9.94	167.16	3563.53	-87.88	-488.49	127.82	0.79	1897394.63	131610.40	N 36 12 29.80 W	107 29 55.34
	3670.00	10.20	165.36	3625.56	-89.82	-499.18	130.44	0.65	1897383.90	131612.88	N 36 12 29.70 W	107 29 55.31
	3700.00	10.57	164.44	3655.07	-90.61	-504.41	131.85	1.37	1897378.66	131614.22	N 36 12 29.64 W	107 29 55.30
	3733.00	10.99	163.51	3687.49	-91.83	-510.34	133.56	1.37	1897372.70	131615.85	N 36 12 29.59 W	107 29 55.27
	3796.00	10.64	164.72	3749.37	-94.13	-521.71	136.79	0.66	1897361.29	131618.94	N 36 12 29.47 W	107 29 55.23
	3800.00	10.63	164.64	3753.30	-94.27	-522.42	136.99	0.48	1897360.58	131619.13	N 36 12 29.47 W	107 29 55.23
	3860.00	10.46	163.36	3812.29	-96.43	-532.97	140.01	0.48	1897349.99	131622.02	N 36 12 29.36 W	107 29 55.20
	3900.00	10.46	164.92	3851.62	-97.84	-539.96	142.00	0.71	1897342.98	131623.91	N 36 12 29.29 W	107 29 55.17
	3923.00	10.46	165.81	3874.24	-98.57	-544.00	143.05	0.71	1897338.92	131624.92	N 36 12 29.25 W	107 29 55.16
	3986.00	10.11	161.63	3936.23	-100.83	-554.79	146.20	1.31	1897328.09	131627.92	N 36 12 29.15 W	107 29 55.12
	4000.00	10.11	161.54	3950.01	-101.42	-557.12	146.98	0.11	1897325.75	131628.67	N 36 12 29.12 W	107 29 55.11
	4050.00	10.11	161.23	3999.24	-103.53	-565.44	149.78	0.11	1897317.40	131631.36	N 36 12 29.04 W	107 29 55.08
	4100.00	8.78	164.42	4048.56	-105.68	-573.27	152.21	2.86	1897309.53	131633.70	N 36 12 28.96 W	107 29 55.05
	4113.00	8.44	165.41	4061.41	-107.34	-583.60	152.72	2.86	1897307.65	131634.18	N 36 12 28.94 W	107 29 55.04
	4176.00	7.56	163.38	4123.80	-107.34	-583.60	155.07	1.47	1897299.17	131636.42	N 36 12 28.86 W	107 29 55.01
	4200.00	7.42	162.25	4147.59	-108.02	-586.59	156.00	0.84	1897296.17	131637.31	N 36 12 28.83 W	107 29 55.00
	4239.00	7.21	160.32	4186.27	-109.23	-591.29	157.59	0.84	1897291.45	131638.84	N 36 12 28.78 W	107 29 54.98
	4300.00	6.96	160.19	4246.81	-111.19	-598.37	160.13	0.41	1897284.33	131641.29	N 36 12 28.71 W	107 29 54.95
	4302.00	6.95	160.19	4248.79	-111.25	-598.60	160.21	0.41	1897284.10	131641.37	N 36 12 28.71 W	107 29 54.95
	4365.00	5.54	163.33	4311.42	-112.88	-605.10	162.38	2.30	1897277.58	131643.45	N 36 12 28.65 W	107 29 54.92
	4400.00	5.04	167.79	4346.27	-113.44	-608.22	163.18	1.85	1897274.45	131644.22	N 36 12 28.62 W	107 29 54.91
	4428.00	4.66	172.02	4374.17	-113.67	-610.55	163.60	1.85	1897272.11	131645.11	N 36 12 28.55 W	107 29 54.91
	4491.00	3.61	173.98	4437.00	-113.86	-615.05	164.17	1.68	1897267.60	131645.16	N 36 12 28.54 W	107 29 54.90
	4500.00	3.50	174.43	4445.99	-113.87	-615.61	164.22	1.30	1897267.04	131645.33	N 36 12 28.51 W	107 29 54.90
	4555.00	2.81	177.97	4500.90	-113.84	-618.62	164.43	1.30	1897264.02	131645.33	N 36 12 28.49 W	107 29 54.90
	4600.00	2.61	185.39	4545.85	-113.61	-620.75	164.38	0.89	1897261.90	131645.25	N 36 12 28.49 W	107 29 54.90
	4618.00	2.55	188.65	4563.83	-113.45	-621.55	164.28	0.89	1897261.10	131645.14	N 36 12 28.49 W	107 29 54.90
	4681.00	0.79	199.00	4626.81	-112.95	-623.35	163.92	2.82	1897259.31	131644.76	N 36 12 28.47 W	107 29 54.90
	4700.00	0.56	185.39	4645.80	-112.88	-623.57	163.87	1.45	1897259.09	131644.71	N 36 12 28.47 W	107 29 54.90
	4744.00	0.44	107.39	4689.80	-113.00	-623.83	164.01	1.45	1897258.82	131644.85	N 36 12 28.46 W	107 29 54.90
	4800.00	0.19	260.75	4745.80	-113.11	-623.91	164.13	1.09	1897258.74	131644.93	N 36 12 28.46 W	107 29 54.90
	4807.00	0.26	266.19	4752.80	-113.08	-623.91	164.10	1.09	1897258.74	131644.93	N 36 12 28.46 W	107 29 54.90
	4871.00	0.09	244.72	4816.80	-112.89	-623.94	163.91	0.28	1897258.71	131644.74	N 36 12 28.46 W	107 29 54.90
	4900.00	0.18	186.09	4845.80	-112.86	-624.00	163.89	0.53	1897258.66	131644.72	N 36 12 28.46 W	107 29 54.90
	4934.00	0.35	171.17	4879.80	-112.86	-624.16	163.90	0.53	1897258.50	131644.73	N 36 12 28.46 W	107 29 54.90
	4997.00	3.43	255.95	4942.76	-111.01	-624.80	162.10	5.42	1897257.87	131642.92	N 36 12 28.45 W	107 29 54.93
	5000.00	3.68	257.13	4945.76	-110.83	-624.85	161.92	8.65	1897257.83	131642.74	N 36 12 28.45 W	107 29 54.93
	5060.00	8.79	266.37	5005.38	-104.33	-625.57	155.46	8.65	1897257.20	131636.27	N 36 12 28.45 W	107 29 55.01
	5100.00	11.64	268.76	5044.75	-97.25	-625.85	148.38	7.19	1897257.01	131629.18	N 36 12 28.44 W	107 29 55.09
	5123.00	13.28	269.67	5067.20	-92.30	-625.91	143.41	7.19	1897257.01	131624.22	N 36 12 28.44 W	107 29 55.15
	5187.00	16.80	275.28	5129.01	-75.85	-625.10	126.85	5.95	1897258.03	131607.67	N 36 12 28.45 W	107 29 55.36
	5200.00	17.83	275.59	5141.42	-72.04	-624.74	123.00	7.98	1897258.44	131603.82	N 36 12 28.45 W	107 29 55.40
	5250.00	21.81	276.51	5188.44	-55.39	-622.94	106.14	7.98	1897260.46	131586.99	N 36 12 28.47 W	107 29 55.61
	5300.00	26.41	275.55	5234.07	-35.32	-620.81	85.83	9.24	1897262.85	131566.71	N 36 12 28.49 W	107 29 55.86
	5313.00	27.61	275.35	5245.65	-29.51	-620.25	79.96	9.24	1897263.49	131560.84	N 36 12 28.50 W	107 29 55.93
	5376.00	33.50	273.26	5299.88	2.12	-617.90	48.03	9.50	1897266.25	131528.95	N 36 12 28.52 W	107 29 56.32
	5400.00	35.64	272.84	5319.64	15.61	-617.17	34.44	8.99	1897267.15	131515.36	N 36 12 28.53 W	107 29 56.48
	5439.00	39.13	272.24	5350.63	39.11	-616.13	10.78	8.99	1897268.50	131491.72	N 36 12 28.54 W	107 29 56.77
	5500.00	44.92	273.35	5395.92	79.58	-614.12	-29.99	9.57	1897271.03	131450.98	N 36 12 28.56 W	107 29 57.27
	5502.00	45.11	273.38	5397.33	80.98	-614.03	-31.40	9.57	1897271.14	131449.57	N 36 12 28.56 W	107 29 57.29
	5566.00	50.74	273.30	5440.20	128.01	-611.27	-78.80	8.80	1897274.51	131402.20	N 36 12 28.59 W	107 29 57.87
	5600.00	54.53	272.41	5460.83	154.79	-609.93	-105.79	11.34	1897276.20	131375.23	N 36 12 28.60 W	107 29 58.19
	5629.00	57.77	271.71	5476.99	178.71	-609.07	-129.85	11.34	1897277.37	131351.18	N 36 12 28.61 W	107 29 58.49
	5692.00	61.91	272.37	5508.63	232.80	-607.12	-184.28	6.63	1897280.02	131296.78	N 36 12 28.63 W	107 29 59.15
	5700.00	62.10	272.55	5512.39	239.81	-606.82	-191.34	3.08	1897280.41	131289.73	N 36 12 28.63 W	107 29 59.24
	5756.00	63.40	273.82	5538.03	289.13	-604.05	-241.04	3.08	1897283.82	131240.06	N 36 12 28.66 W	107 29 59.85
	5800.00	67.39	274.17	5556.34	328.67	-601.26	-280.94	9.11	1897287.13	131200.20	N 36 12 28.69 W	107 30 0.33
	5819.00	69.12	274.32	5563.38	346.10	-599.95	-296.54	9.11	1897288.66	131182.61	N 36 12 28.70 W	107 30 0.55
	5883.00	75.45	273.17	5582.85	406.39	-595.98	-359.34	10.04	1897293.41	131121.86	N 36 12 28.74 W	107 30 1.29
	5900.00	77.35	272.86	5586.84	422.76	-595.11	-375.84	11.29	1897294.49	131105.38	N 36 12 28.75 W	107 30 1.49
	5946.00	82.48	272.06	5594.90	467.69	-593.17	-421.07	11.29	1897297.02	131060.17	N 36 12 28.77 W	107 30 2.04
	6000.00	86.55	271.64	5600.06	521.09	-591.44	-474.79	7.58	1897299.45	131006.48	N 36 12 28.78 W	107 30 2.70
	6009.00	87.23	271.57	5600.55	530.02	-591.18	-483.77	7.58	1897299.81	130997.50	N 36 12 28.79 W	107 30 2.81
	6074.00	89.99	271.22	5602.12	594.63	-589.60	-548.73	4.28	1897302.23	130932.57	N 36 12 28.80 W	107 30 3.60
	6094.00	90.84	271.11	5601.98	614.53	-589.20	-568.72	4.28	1897302.89	130912.58	N 36	

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	.DLS (%/100ft)	Northings (ftUS)	Eastings (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7375.00	91.63	270.30	5565.19	1887.64	-557.10	-1848.63	1.94	1897351.48	129633.12	N 36 12 29.12 W 107 30 19.46	
	7400.00	90.95	270.51	5564.63	1912.54	-556.92	-1873.62	2.87	1897351.98	129608.14	N 36 12 29.12 W 107 30 19.77	
	7436.00	89.96	270.82	5564.35	1948.38	-556.50	-1909.62	2.87	1897352.86	129572.15	N 36 12 29.13 W 107 30 20.20	
	7497.00	90.75	271.87	5563.97	2009.05	-555.07	-1970.60	2.15	1897355.08	129511.19	N 36 12 29.14 W 107 30 20.95	
	7500.00	90.76	271.88	5563.93	2012.03	-554.97	-1973.59	0.57	1897355.21	129508.19	N 36 12 29.14 W 107 30 20.99	
	7557.00	91.01	272.09	5563.05	2068.64	-553.00	-2030.55	0.57	1897357.92	129451.26	N 36 12 29.16 W 107 30 21.68	
	7600.00	90.58	271.47	5562.45	2111.37	-551.66	-2073.53	1.76	1897359.81	129408.30	N 36 12 29.18 W 107 30 22.20	
	7618.00	90.40	271.21	5562.30	2129.27	-551.24	-2091.52	1.76	1897360.46	129390.31	N 36 12 29.18 W 107 30 22.42	
	7681.00	90.04	270.13	5562.06	2192.00	-550.50	-2154.52	1.81	1897362.01	129327.33	N 36 12 29.19 W 107 30 23.19	
	7700.00	90.30	270.21	5562.00	2210.93	-550.45	-2173.52	1.44	1897362.31	129308.33	N 36 12 29.19 W 107 30 23.42	
	7745.00	90.92	270.41	5561.52	2255.76	-550.20	-2218.51	1.44	1897363.14	129263.34	N 36 12 29.19 W 107 30 23.97	
	7800.00	90.47	271.44	5560.86	2310.49	-549.32	-2273.50	2.05	1897364.73	129208.36	N 36 12 29.20 W 107 30 24.64	
	7808.00	90.40	271.59	5560.79	2318.45	-549.10	-2281.50	2.05	1897365.05	129200.37	N 36 12 29.20 W 107 30 24.74	
	7871.00	90.84	271.91	5560.11	2381.05	-547.18	-2344.46	0.86	1897367.78	129137.43	N 36 12 29.22 W 107 30 25.51	
	7900.00	90.84	271.49	5559.69	2409.87	-546.32	-2373.45	1.45	1897369.02	129108.46	N 36 12 29.23 W 107 30 25.86	
	7935.00	90.84	270.98	5559.17	2444.68	-545.57	-2408.44	1.45	1897370.22	129073.48	N 36 12 29.24 W 107 30 26.29	
	7998.00	91.36	270.79	5557.97	2507.38	-544.59	-2471.42	0.88	1897372.00	129010.51	N 36 12 29.25 W 107 30 27.06	
	8000.00	91.42	270.81	5557.92	2509.37	-544.57	-2473.42	3.08	1897372.06	129008.52	N 36 12 29.25 W 107 30 27.08	
	8061.00	93.21	271.37	5555.45	2570.01	-543.41	-2554.35	3.08	1897374.00	128947.60	N 36 12 29.26 W 107 30 27.83	
	8100.00	93.86	271.67	5553.05	2608.71	-542.38	-2573.26	1.83	1897375.53	128908.70	N 36 12 29.27 W 107 30 28.30	
	8124.00	94.26	271.85	5551.35	2632.50	-541.64	-2587.19	1.83	1897376.58	128884.78	N 36 12 29.27 W 107 30 28.59	
	8188.00	92.59	272.04	5547.53	2695.97	-539.47	-2661.04	2.63	1897379.57	128820.96	N 36 12 29.30 W 107 30 29.37	
	8200.00	92.49	272.22	5546.99	2707.87	-539.03	-2673.02	1.73	1897380.17	128808.99	N 36 12 29.30 W 107 30 29.52	
	8251.00	92.07	273.00	5544.96	2758.42	-536.70	-2772.83	1.73	1897383.15	128758.11	N 36 12 29.32 W 107 30 30.14	
	8300.00	91.73	273.01	5543.34	2806.96	-534.14	-2776.81	0.70	1897386.34	128709.24	N 36 12 29.35 W 107 30 30.74	
	8314.00	91.63	273.01	5542.93	2820.83	-533.40	-2786.81	0.70	1897387.26	128695.28	N 36 12 29.36 W 107 30 30.91	
	8378.00	92.68	272.91	5540.52	2884.22	-530.10	-2850.68	1.65	1897391.38	128631.45	N 36 12 29.39 W 107 30 31.69	
	8400.00	92.44	272.89	5539.54	2906.01	-528.99	-2872.62	1.11	1897392.78	128609.52	N 36 12 29.40 W 107 30 31.95	
	8441.00	91.98	272.86	5537.96	2946.63	-526.93	-2913.54	1.11	1897395.36	128568.63	N 36 12 29.42 W 107 30 32.45	
	8500.00	92.47	273.09	5535.67	3005.06	-523.87	-2972.42	0.92	1897399.18	128505.79	N 36 12 29.45 W 107 30 33.17	
	8505.00	92.51	273.11	5535.46	3010.01	-523.60	-2977.41	0.92	1897399.51	128504.81	N 36 12 29.45 W 107 30 33.23	
	8568.00	91.63	272.06	5533.18	3072.47	-520.76	-3040.30	2.17	1897402.16	128441.96	N 36 12 29.48 W 107 30 34.00	
	8600.00	91.02	271.64	5532.44	3104.25	-519.73	-3072.27	2.33	1897404.61	128409.99	N 36 12 29.49 W 107 30 34.39	
	8632.00	90.40	271.22	5532.05	3136.07	-518.93	-3104.26	2.33	1897405.82	128378.02	N 36 12 29.50 W 107 30 34.78	
	8695.00	91.28	270.76	5531.12	3198.76	-517.84	-3167.24	1.58	1897407.72	128315.05	N 36 12 29.51 W 107 30 35.55	
	8700.00	91.24	270.72	5531.01	3203.74	-517.78	-3172.24	1.16	1897407.84	128310.05	N 36 12 29.51 W 107 30 35.61	
	8758.00	90.75	270.26	5530.01	3261.50	-517.28	-3230.23	1.16	1897409.09	128252.07	N 36 12 29.51 W 107 30 36.32	
	8800.00	90.63	270.39	5529.50	3303.33	-517.05	-3272.23	0.42	1897409.87	128210.08	N 36 12 29.52 W 107 30 36.83	
	8821.00	90.57	270.45	5529.28	3324.25	-516.89	-3293.23	0.42	1897410.29	128189.09	N 36 12 29.52 W 107 30 37.09	
	8884.00	91.54	270.98	5528.12	3386.97	-516.11	-3356.21	1.75	1897411.89	128126.11	N 36 12 29.53 W 107 30 37.86	
	8900.00	91.45	270.99	5527.70	3402.88	-515.83	-3372.20	0.56	1897412.37	128110.13	N 36 12 29.53 W 107 30 38.05	
	8947.00	91.19	271.01	5526.62	3449.64	-515.01	-3419.18	0.56	1897413.79	128063.16	N 36 12 29.54 W 107 30 38.62	
	9000.00	91.11	272.73	5525.56	3502.29	-513.29	-3472.14	3.24	1897416.20	128010.22	N 36 12 29.55 W 107 30 39.27	
	9010.00	91.10	273.05	5525.36	3512.20	-512.78	-3482.13	3.24	1897416.83	128000.24	N 36 12 29.56 W 107 30 39.39	
	9073.00	92.68	273.40	5523.28	3574.57	-509.24	-3544.99	2.57	1897421.18	127937.43	N 36 12 29.59 W 107 30 40.16	
	9100.00	91.87	272.50	5522.21	3601.31	-507.85	-3571.93	4.50	1897422.92	127910.50	N 36 12 29.61 W 107 30 40.49	
	9137.00	90.75	271.26	5521.37	3638.06	-506.64	-3608.90	4.50	1897424.61	127873.55	N 36 12 29.62 W 107 30 40.94	
	9200.00	90.22	270.77	5520.84	3700.75	-505.52	-3671.89	1.15	1897426.54	127810.58	N 36 12 29.63 W 107 30 41.71	
	9263.00	91.28	270.31	5520.01	3763.49	-504.93	-3734.88	1.83	1897427.94	127747.60	N 36 12 29.64 W 107 30 42.48	
	9300.00	91.38	269.87	5519.15	3800.35	-504.87	-3771.87	1.22	1897428.47	127710.61	N 36 12 29.64 W 107 30 42.93	
	9326.00	91.45	269.56	5518.51	3826.27	-505.00	-3797.86	1.22	1897428.68	127684.62	N 36 12 29.64 W 107 30 43.24	
	9389.00	92.51	270.35	5516.33	3889.03	-505.05	-3860.82	2.10	1897429.44	127621.66	N 36 12 29.64 W 107 30 44.01	
	9400.00	92.54	270.71	5515.85	3899.97	-504.95	-3871.81	3.25	1897429.68	127610.67	N 36 12 29.64 W 107 30 44.15	
	9452.00	92.68	272.39	5513.48	3951.62	-503.55	-3923.74	3.25	1897431.76	127558.77	N 36 12 29.65 W 107 30 44.78	
	9500.00	92.16	272.78	5511.46	3999.19	-501.38	-3971.65	1.36	1897434.54	127510.89	N 36 12 29.67 W 107 30 45.36	
	9516.00	91.98	272.91	5510.88	4015.05	-500.59	-3987.62	1.36	1897435.54	127494.93	N 36 12 29.68 W 107 30 45.58	
	9579.00	91.54	273.20	5508.94	4077.45	-497.23	-4050.50	0.84	1897439.70	127432.09	N 36 12 29.71 W 107 30 46.33	
	9600.00	91.86	273.19	5508.32	4098.24	-496.06	-4071.45	1.54	1897441.14	127411.15	N 36 12 29.72 W 107 30 46.58	
	9642.00	92.51	273.18	5506.72	4139.82	-493.73	-4113.36	1.54	1897444.01	127369.28	N 36 12 29.75 W 107 30 47.09	
	9700.00	91.21	274.08	5504.83	4197.19	-490.06	-4171.21	2.73	1897448.43	127311.47	N 36 12 29.78 W 107 30 47.80	
	9705.00	91.10	274.16	5504.73	4202.13	-489.70	-4176.20	2.73	1897448.85	127306.49	N 36 12 29.79 W 107 30 47.86	
	9768.00	90.40	273.92	5503.91	4264.40	-485.26	-4239.03	1.17	1897454.10	127243.71	N 36 12 29.83 W 107 30 48.63	
	9800.00	91.16	274.25	5503.47	4296.02	-482.98	-4270.95	2.58	1897456.79	127211.83	N 36 12 29.85 W 107 30 49.02	
	9831.00	91.89	274.57	5502.65	4326.63	-480.60	-4301.85	2.58	1897459.57	127180.96	N 36 12 29.88 W 107 30 49.39	
	9894.00	90.48	274.41	5501.35	4388.81	-475.67	-4364.64	2.25	1897465.31	127118.24	N 36 12 29.92 W 107 30 50.16	
	9900.00	90.51	274.48	5501.30	4394.74	-475.20	-4370.62	1.18	1897465.85	127112.26	N 36 12 29.93 W 107 30 50.23	
	9957.00	90.75	275.10	5500.67	4450.97	-470.45	-4427.42	1.18	1897471.34	127055.53	N 36 12 29.98 W 107 30 50.93	
	10000.00	90.57	275.07	5500.18	4493.34	-466.64	-4470.24	0.43	1897475.70	127012.75	N 36 12 30.01 W 107 30 51.45	
	10021.00	90.48	275.05	5499.98	4514.04	-464.79	-4491.16	0.43	1897477.83	126991.86	N 36 12 30.03 W 107 30 51.70	
	10086.00	90.40	274.71	5499.48	4578.15	-459.26	-4555.92	0.54	1897484.19	126927.17	N 36 12 30.09 W 107 30 52.49	
	10100.00	90.50	274.68	5499.37	4591.96	-458.11	-4569.88	0.72	1897485.51	126913.23	N 36 12 30.10 W 107 30 52.66	
	10149.00	90.84	274.59	5498.80	4640.32	-454.15	-4618.71	0.72	1897490.10	126864.45	N 36 12 30.14 W 107 30 53.26	
	10200.00	91.26	273.89	5497.87	4690.70	-450.38	-4669.56	1.61	1897494.53	126813.64	N 36 12 30.17 W 107 30 53.88	
	10212.00	91.36	273.72	5497.59	4702.56	-449.59	-4681.54	1.61	1897495.48	126801.69	N 36 12 30.18 W 107 30 54.03	
	10276.00	89.60	272.20	5497.06	4765.99	-446.28	-4745.44	3.63	1897499.60	126737.82	N 36 12 30.21 W 107 30 54.81	
	10300.00	89.77	272.09	5497.1								

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 ° ' ")
		1	0.000	14.000	Act Sins	30.000	30.000	SLB_MWD-STD-Depth Only			Original Hole / Chaco 2306-20L #	
		1	14.000	490.000	1/98.425	30.000	30.000	SLB_MWD-STD			207H MWD 0' to 11060' Definitive	
		1	490.000	11002.000	Act Sins	30.000	30.000	SLB_MWD-STD			Original Hole / Chaco 2306-20L #	
		1	11002.000	11060.000	Act Sins	30.000	30.000	SLB_BLIND-TREND			207H MWD 0' to 11060' Definitive	