

District I
1625 N. French Drive, Hobbs, NM 88240
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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

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

☒ AMENDED REPORT
"As Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-35474		2 Pool Code 42289		3 Pool Name LYBROOK GALLUP	
4 Property Code 39936		5 Property Name CHACO 2408-36P			6 Well Number 143H
7 GRID No. 120782		8 Operator Name WPX ENERGY PRODUCTION, LLC			9 Elevation 6922'

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
P	36	24N	8W		782	SOUTH	244	EAST	SAN JUAN

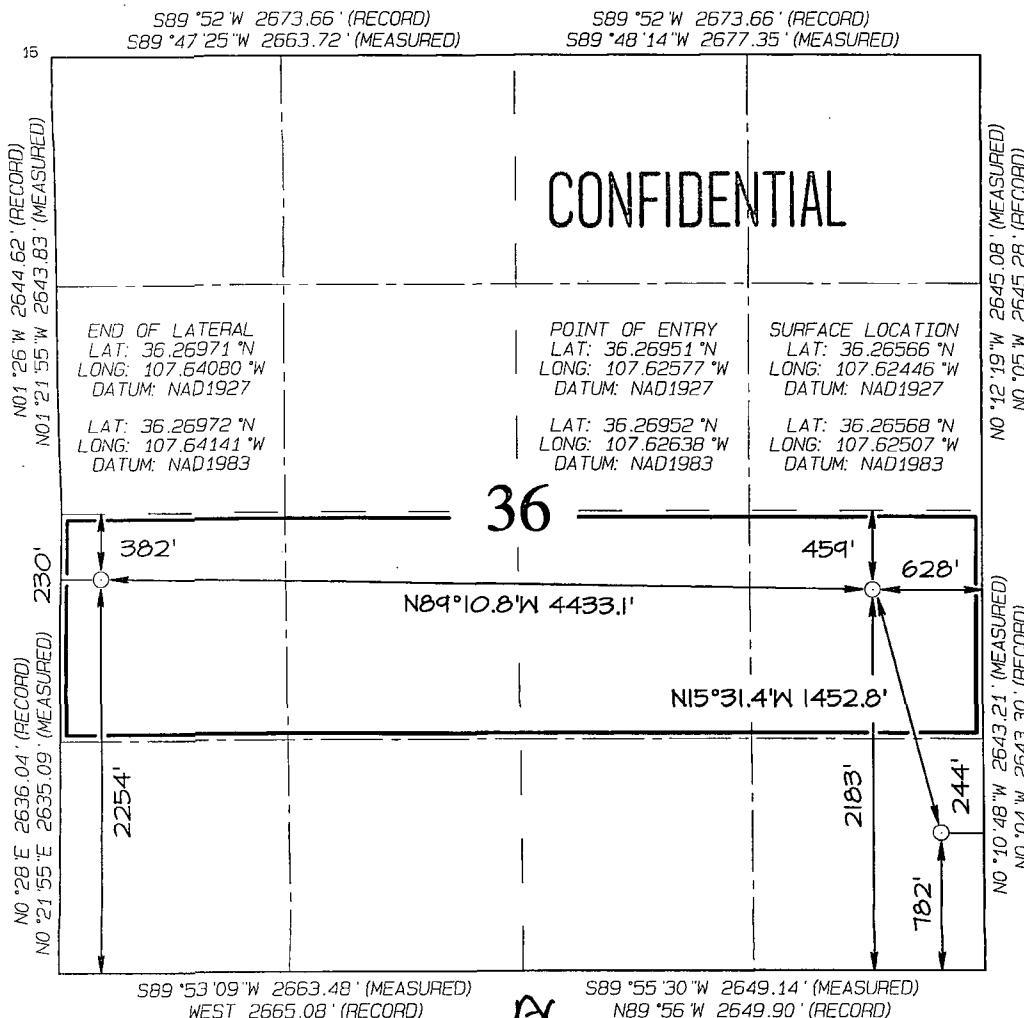
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	24N	8W		2254	SOUTH	230	WEST	SAN JUAN

12 Dedicated Acres 160.0 Acres - (N/2 S/2)	13 Joint or Infill	14 Consolidation Code	15 Order No. RCVD OCT 31 '13 OIL CONS. DIV.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DIST. 3



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature *Larry Higgins* Date *10/30/13*

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: OCTOBER 10, 2013
Date of Survey: JULY 6, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

WELL	Chaco 2408-36P #143H	FIELD	NM San Juan County NAD27	STRUCTURE	WPX Chaco 2408-36P #143H
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Magnetic Parameters	Dip: 63.000°	Date: September 24, 2013	Surface Location	NAD27 New Mexico State Plane, Western Zone, US Feet	Miscellaneous
Model: 6GGM 2012	Mag Dec: 9.552°	FS: 50172.7mT	Lat: N 36 15 56.376	1919008.76 NUS	Site: Chaco 2408-36P #143H
			Lon: W 107 37 28.056	561575.73 NUS	TVD Ref: RKB(R936P above MSL)
				Grid Conv: 0.121°	Plan: Chaco 2408-36P #143H MW 3D Dry Gas 24, 2013
				Scale Factor: 0.99982101	

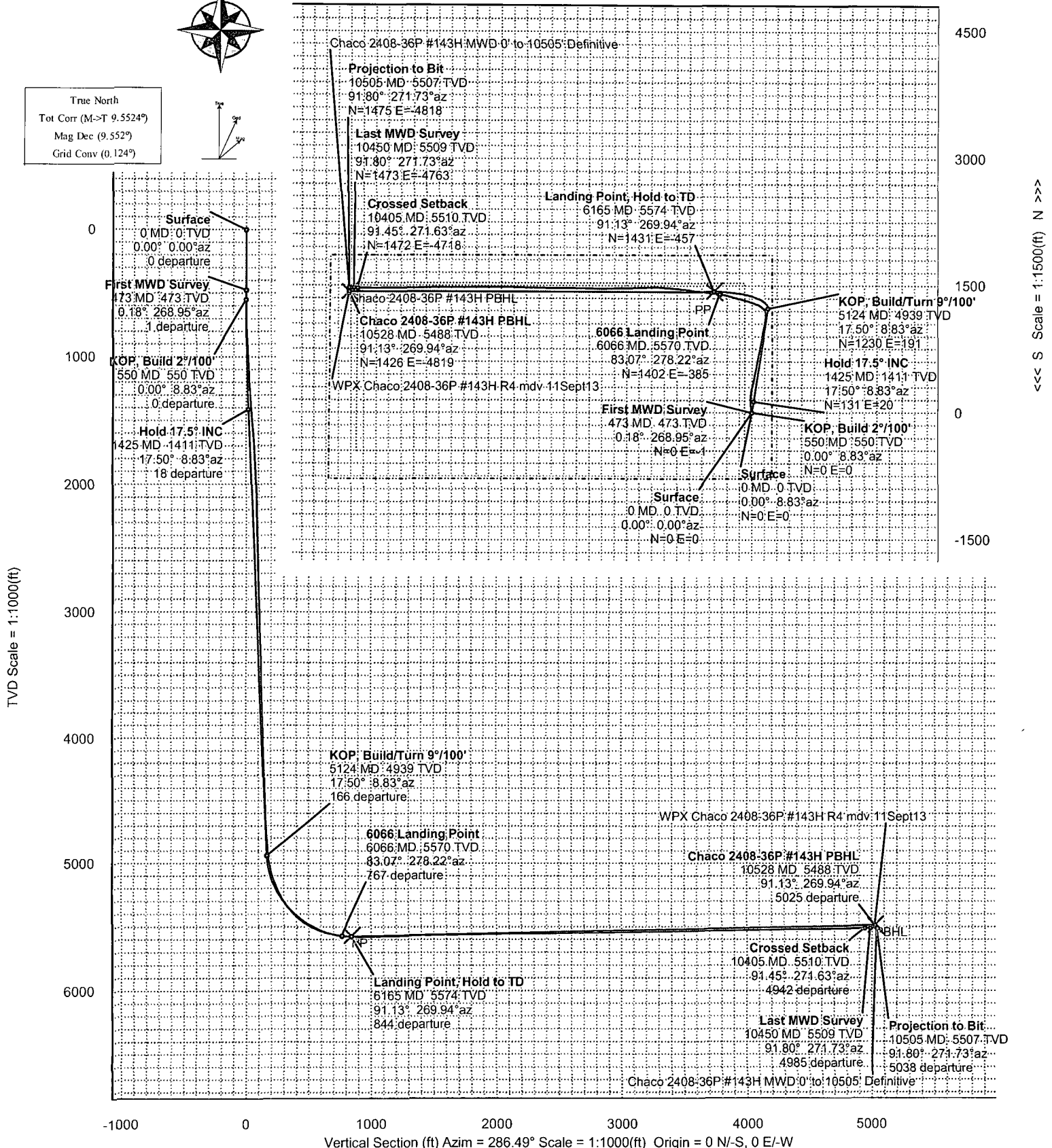
PVA

<<< W Scale = 1:1500(ft) E >>>

-4500 -3000 -1500 0 1500



True North
Tot Corr (M-T 9.5524°)
Mag Dec (9.552°)
Grid Conv (0.124°)





Chaco 2408-36P #143H MWD 0' to 10505' Definitive Survey Geodetic Report (Def Survey)



RCVD OCT 31 '13
OIL CONS. DIV.
DIST. 3

Report Date: October 08, 2013 - 01:02 PM
Client: WPX Energy
Field: NM San Juan County NAD27
Structure / Slot: WPX Chaco 2408-36P #143H / Chaco 2408-36P #143H
Well: Chaco 2408-36P #143H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2408-36P #143H MWD 0' to 10505' Definitive
Survey Date: September 24, 2013
Tort / AHD / DDI / ERD Ratio: 179.114' / 6252.587 ft / 6.324 / 1.121
Coordinate Reference System: NAD27 New Mexico State Plane, Western Zone, US Feet
Location Lat / Long: N 36° 15' 56.37600", W 107° 37' 28.05600"
Location Grid N/E Y/X: N 1916008.762 RUS, E 561575.732 RUS
CRS Grid Convergence Angle: 0.1236°
Grid Scale Factor: 0.99992101

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 286.489° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6936.000 ft above MSL
Seabed / Ground Elevation: 6922.000 ft above MSL
Magnetic Declination: 9.552°
Total Gravity Field Strength: 998.4956mgn (9.80665 Based)
Total Magnetic Field Strength: 50172.653 nT
Magnetic Dip Angle: 63.000°
Declination Date: September 24, 2013
Magnetic Declination Model: BGM 2012
North Reference: True North
Grid Convergence Used: 0.0000°
Total Corr Mag North->True North: 9.5524°
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSECT (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	1916008.76	561575.73	N 36 15 56.38 W	107 37 28.06
9 5/8" Casing Point	426.00	0.16	268.95	426.00	0.57	-0.01	-0.60	0.04	1916008.75	561575.13	N 36 15 56.38 W	107 37 28.06
First MWD Survey	473.00	0.18	268.95	473.00	0.71	-0.01	-0.74	0.04	1916008.75	561574.99	N 36 15 56.38 W	107 37 28.07
	536.00	0.26	331.44	536.00	0.90	0.11	-0.91	0.38	1916008.87	561574.82	N 36 15 56.38 W	107 37 28.07
	597.00	0.97	351.92	596.99	1.22	0.74	-1.05	1.20	1916009.50	561574.68	N 36 15 56.38 W	107 37 28.07
	659.00	1.67	350.69	658.98	1.83	2.15	-1.27	1.13	1916010.91	561574.46	N 36 15 56.40 W	107 37 28.07
	720.00	2.37	345.86	719.94	2.86	4.25	-1.72	1.18	1916013.01	561574.00	N 36 15 56.42 W	107 37 28.08
	781.00	3.25	349.73	780.87	4.28	7.18	-2.34	1.47	1916015.94	561573.38	N 36 15 56.45 W	107 37 28.08
	842.00	4.40	352.71	841.73	6.00	11.20	-2.94	1.91	1916019.96	561572.77	N 36 15 56.49 W	107 37 28.09
	903.00	5.36	354.30	902.51	8.02	16.36	-3.52	1.59	1916025.11	561572.18	N 36 15 56.54 W	107 37 28.10
	964.00	6.33	352.71	963.19	10.45	22.53	-4.23	1.61	1916031.28	561571.45	N 36 15 56.60 W	107 37 28.11
	1026.00	7.30	352.01	1024.75	13.46	29.82	-5.21	1.57	1916038.57	561570.46	N 36 15 56.67 W	107 37 28.12
	1087.00	8.27	351.83	1085.19	16.90	38.00	-6.38	1.59	1916046.75	561569.28	N 36 15 56.75 W	107 37 28.13
	1148.00	9.15	351.40	1145.48	20.79	47.14	-7.72	1.45	1916055.88	561567.91	N 36 15 56.84 W	107 37 28.15
	1209.00	10.11	352.10	1205.62	25.05	57.24	-9.19	1.59	1916065.97	561566.42	N 36 15 56.94 W	107 37 28.17
	1269.00	10.73	353.77	1264.63	29.38	68.01	-10.52	1.15	1916076.74	561565.07	N 36 15 57.05 W	107 37 28.18
	1330.00	11.52	354.82	1324.49	33.83	79.72	-11.68	1.34	1916088.45	561563.88	N 36 15 57.16 W	107 37 28.20
	1392.00	12.49	355.00	1385.13	38.57	92.56	-12.82	1.57	1916101.29	561562.71	N 36 15 57.29 W	107 37 28.21
	1453.00	13.37	355.52	1444.58	43.51	106.16	-13.95	1.46	1916114.89	561561.55	N 36 15 57.43 W	107 37 28.23
	1514.00	13.98	356.67	1503.85	48.53	120.55	-14.93	1.09	1916129.27	561560.54	N 36 15 57.57 W	107 37 28.24
	1575.00	14.68	357.72	1562.96	53.52	135.63	-15.66	1.22	1916144.35	561559.78	N 36 15 57.72 W	107 37 28.25
	1637.00	15.04	0.10	1622.88	58.31	151.53	-15.96	1.14	1916160.24	561559.44	N 36 15 57.87 W	107 37 28.25
	1698.00	15.39	2.20	1681.74	62.55	167.53	-15.64	1.07	1916176.24	561559.73	N 36 15 58.03 W	107 37 28.25
	1761.00	16.09	3.44	1742.38	66.58	184.60	-14.79	1.23	1916193.31	561560.54	N 36 15 58.20 W	107 37 28.24
	1825.00	16.71	5.02	1803.78	70.41	202.62	-13.46	1.19	1916211.33	561561.84	N 36 15 58.38 W	107 37 28.22
	1888.00	16.88	7.48	1864.09	73.65	220.71	-11.47	1.16	1916229.43	561563.78	N 36 15 58.56 W	107 37 28.20
	1952.00	17.59	9.15	1925.22	76.34	239.47	-8.73	1.35	1916248.19	561566.49	N 36 15 58.74 W	107 37 28.16
	2015.00	18.55	10.20	1985.11	78.65	258.73	-5.44	1.61	1916267.46	561569.74	N 36 15 58.93 W	107 37 28.12
	2079.00	18.55	11.17	2045.79	80.71	278.74	-1.66	0.48	1916287.47	561573.47	N 36 15 59.13 W	107 37 28.08
	2142.00	18.29	12.58	2105.56	82.31	298.22	2.43	0.82	1916306.96	561577.52	N 36 15 59.33 W	107 37 28.03
	2206.00	18.03	14.51	2166.37	83.34	317.61	7.10	1.02	1916326.36	561582.15	N 36 15 59.52 W	107 37 27.97
	2269.00	17.15	12.49	2255.02	84.79	344.93	13.67	1.15	1916353.69	561588.66	N 36 15 59.79 W	107 37 27.89
	2333.00	17.06	12.22	2316.19	86.15	363.31	17.70	0.19	1916372.08	561592.65	N 36 15 59.97 W	107 37 27.84
	2426.00	17.41	12.22	2376.36	87.54	381.56	21.65	0.56	1916390.34	561596.56	N 36 16 0.15 W	107 37 27.79
	2490.00	17.76	12.14	2437.37	88.99	400.46	25.73	0.55	1916409.24	561600.60	N 36 16 0.34 W	107 37 27.74
	2553.00	17.41	11.52	2497.43	90.54	419.09	29.83	0.63	1916427.88	561604.46	N 36 16 0.52 W	107 37 27.69
	2617.00	17.06	12.40	2558.55	92.03	437.64	33.56	0.68	1916446.44	561608.35	N 36 16 0.70 W	107 37 27.65
	2680.00	17.06	13.28	2618.78	93.21	455.66	37.67	0.41	1916464.46	561612.42	N 36 16 0.88 W	107 37 27.60
	2744.00	17.15	12.40	2679.95	94.41	474.01	41.85	0.43	1916482.82	561616.56	N 36 16 1.06 W	107 37 27.54
	2808.00	17.24	11.43	2741.09	95.92	492.52	45.76	0.47	1916501.34	561620.42	N 36 16 1.25 W	107 37 27.50
	2871.00	17.94	10.55	2801.14	97.75	511.21	49.38	1.19	1916520.04	561624.01	N 36 16 1.43 W	107 37 27.45
	2935.00	18.55	10.47	2861.93	99.83	530.91	53.04	0.95	1916539.75	561627.62	N 36 16 1.63 W	107 37 27.41
	2998.00	18.03	9.94	2921.74	102.00	550.37	56.54	0.87	1916559.21	561631.08	N 36 16 1.82 W	107 37 27.37
	3062.00	17.67	9.06	2982.66	104.38	569.72	59.78	0.70	1916578.56	561634.28	N 36 16 2.01 W	107 37 27.33
	3126.00	17.67	10.82	3043.64	106.60	588.85	63.13	0.83	1916597.70	561637.59	N 36 16 2.20 W	107 37 27.29
	3190.00	17.41	11.61	3104.67	108.37	607.77	66.88	0.55	1916616.63	561641.30	N 36 16 2.39 W	107 37 27.24
	3253.00	17.06	10.99	3164.84	110.06	626.07	70.54	0.63	1916634.94	561644.92	N 36 16 2.57 W	107 37 27.19
	3316.00	17.67	9.94	3224.97	112.03	644.56	73.96	1.09	1916653.43	561648.29	N 36 16 2.75 W	107 37 27.15
	3380.00	17.67	9.15	3285.95	114.38	663.72	77.18	0.37	1916672.59	561651.47	N 36 16 2.94 W	107 37 27.11
	3443.00	17.94	10.73	3345.93	116.58	682.69	80.50	0.88	1916691.57	561654.76	N 36 16 3.13 W	107 37 27.07
	3506.00	17.85	12.31	3405.88	118.25	701.66	84.37	0.78	1916710.55	561658.58	N 36 16 3.31 W	107 37 27.03
	3569.00	17.76	13.10	3465.87	119.53	720.45	88.61	0.41	1916729.35	561662.78	N 36 16 3.50 W	107 37 26.97
	3633.00	17.32	14.77	3526.89	120.39	739.17	93.25	1.04	1916748.07	561667.38	N 36 16 3.69 W	107 37 26.92
	3696.00	17.06	13.63	3587.08	121.13	757.22	97.81	0.68	1916766.13	561671.91	N 36 16 3.86 W	107 37 26.86
	3759.00	17.06	11.35	3647.31	122.42	775.26	101.81	1.06	1916784.18	561675.88	N 36 16 4.04 W	107 37 26.81
	3822.00	17.50	10.20	3707.46	124.29	793.65	105.31	0.88	1916802.57	561679.32	N 36 16 4.22 W	107 37 26.77
	3886.00	17.41	9.85	3768.51	126.45	812.55	108.65	0.22	1916821.48	561682.62	N 36 16 4.41 W	107 37 26.73
	3950.00	17.67	10.55	3829.54	128.56	831.53	112.07	0.52	1916840.47	561686.00	N 36 16 4.60 W	107 37 26.69
	4013.00	17.50	11.87	3889.60	130.31	850.20	115.76	0.69	1916859.14	561689.65	N 36 16 4.78 W	107 37 26.64
4076.00	17.41	12.58	3949.69	131.72	868.67	119.77	0.37	1916877.62	561693.61	N 36 16 4.97 W	107 37 26.59	
4140.00	18.11	11.87	4010.64	133.17	887.75	123.90	1.14	1916896.70	561697.70	N 36 16 5.15 W	107 37 26.54	
4203.00	18.03	11.43	4070.54	134.82	906.89	127.84	0.25	1916915.85	561701.61	N 36 16 5.34 W	107 37 26.49	
4267.00	17.67	10.12	4131.46	136.77	926.16	131.51	0.84	1916935.13	561705.24	N 36 16 5.53 W	107 37 26.45	
4331.00	17.06	9.50	4192.54	138.99	944.98	134.77	1.00	1916953.95	561708.45	N 36 16 5.72 W	107 37 26.41	
4395.00	17.24	10.47	4253.69	141.12	963.56	138.04	0.53	1916972.54	561711.68	N 36 16 5.90 W	107 37 26.37	
4459.00	18.03	11.35	4314.69	143.01	982.60	141.71	1.30	1916991.59	561715.32	N 36 16 6.09 W	107 37 26.33	
4522.00	18.29	12.05	4374.55	144.65	1001.83	145.70	0.54	1917010.82	561719.26	N 36 16 6.28 W	107 37 26.28	
4586.00	17.67	11.61	4435.42	146.25	1021.16	149.75	0.99	1917030.16	561723.27	N 36 16 6.47 W	107 37 26.23	
4649.00	17.24	10.12	4495.52	148.10	1039.72	153.31	0.98	1917048.73	561726.79	N 36 16 6.66 W	107 37 26.18	
4712.00	17.76	8.80	4555.61	150.42	1058.41	156.42	1.04	1917067.42	561729.86	N 36 16 6.84 W	107 37 26.15	
4775.00	17.76	9.24	4615.60	152.92	1077.39	159.44	0.21	1917086.40	561732.83	N 36 16 7.03 W	107 37 26.11	
4839.00	16.36	7.74	4676.79	155.52	1095.95	162.22	0.29	1917104.97	561735.57	N 36 16 7.21 W	107 37 26.08	
4870.00	16.18	6.39	4706.54	156.94	1104.57	163.29	1.35	1917113.59	561736.62	N 36 16 7.30 W	107 37 26.06	
4934.00	17.32	4.89	4767.83	160.42	1122.93	165.09	1.90	1917131.95	561738.39	N 36 16 7.48 W	107 37	

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 ° ° °)
	5251.00	18.73	320.06	5070.29	198.03	1213.82	152.77	7.23	1917222.81	561725.87	N 36 16 8.38	W 107 37 26.19
	5315.00	21.90	314.36	5130.31	217.15	1230.04	137.63	5.83	1917239.00	561710.70	N 36 16 8.54	W 107 37 26.38
	5378.00	24.62	309.38	5188.19	239.64	1246.59	119.08	5.32	1917255.51	561692.12	N 36 16 8.70	W 107 37 26.60
	5442.00	28.84	299.92	5245.36	266.96	1262.76	95.38	9.35	1917271.62	561668.38	N 36 16 8.86	W 107 37 26.89
	5505.00	33.59	294.24	5299.24	299.03	1277.51	66.30	8.86	1917286.31	561639.27	N 36 16 9.01	W 107 37 27.25
	5569.00	39.04	289.97	5350.80	336.72	1291.67	31.18	9.38	1917300.39	561604.12	N 36 16 9.15	W 107 37 27.68
	5632.00	45.02	288.27	5397.57	378.84	1305.45	-8.67	9.66	1917314.08	561564.25	N 36 16 9.29	W 107 37 28.16
	5696.00	50.74	286.45	5440.48	426.28	1319.57	-53.96	9.18	1917328.11	561518.93	N 36 16 9.43	W 107 37 28.71
	5759.00	58.21	284.80	5477.07	477.51	1333.34	-103.31	12.05	1917341.77	561469.55	N 36 16 9.56	W 107 37 29.32
	5823.00	65.16	284.61	5507.40	533.79	1347.63	-157.78	10.86	1917355.94	561415.06	N 36 16 9.70	W 107 37 29.98
	5886.00	71.40	285.00	5530.71	592.26	1362.58	-214.33	9.92	1917370.77	561358.48	N 36 16 9.85	W 107 37 30.67
	5950.00	75.89	284.72	5548.72	653.63	1378.32	-273.67	7.03	1917386.38	561299.11	N 36 16 10.01	W 107 37 31.40
	6013.00	79.93	281.90	5561.92	715.12	1392.49	-333.61	7.76	1917400.42	561239.15	N 36 16 10.15	W 107 37 32.13
7" Casing Point	6060.00	82.71	278.63	5569.01	761.30	1400.76	-379.31	9.07	1917408.59	561193.43	N 36 16 10.23	W 107 37 32.69
6066 Landing Point	6066.00	83.07	278.22	5569.75	767.19	1401.64	-385.20	9.07	1917409.45	561187.54	N 36 16 10.24	W 107 37 32.76
	6093.00	84.68	276.36	5572.64	793.69	1405.04	-411.83	9.07	1917412.80	561160.91	N 36 16 10.27	W 107 37 33.08
	6154.00	88.02	277.53	5576.52	853.71	1412.40	-472.25	5.80	1917420.03	561100.48	N 36 16 10.34	W 107 37 33.82
	6218.00	91.19	278.10	5576.96	916.97	1421.10	-535.65	5.03	1917428.59	561037.07	N 36 16 10.43	W 107 37 34.60
	6281.00	91.28	277.47	5575.60	979.23	1429.63	-598.05	1.01	1917436.99	560974.65	N 36 16 10.51	W 107 37 35.36
	6345.00	91.54	276.57	5574.03	1042.34	1437.45	-661.55	1.46	1917444.67	560911.44	N 36 16 10.59	W 107 37 36.13
	6408.00	91.36	276.34	5572.43	1104.36	1444.53	-724.13	0.46	1917451.61	560848.55	N 36 16 10.66	W 107 37 36.90
	6472.00	90.92	275.81	5571.16	1167.29	1451.31	-787.76	1.08	1917458.25	560784.91	N 36 16 10.73	W 107 37 37.68
	6535.00	91.80	276.25	5569.66	1229.22	1457.92	-850.39	1.56	1917464.73	560722.27	N 36 16 10.79	W 107 37 38.44
	6599.00	91.71	276.12	5567.70	1292.16	1464.81	-913.99	0.25	1917471.48	560658.66	N 36 16 10.86	W 107 37 39.22
	6663.00	91.63	275.66	5565.84	1355.04	1471.38	-977.62	0.73	1917477.91	560595.02	N 36 16 10.93	W 107 37 39.99
	6726.00	90.84	274.88	5564.48	1416.82	1477.16	-1040.34	1.76	1917483.56	560532.29	N 36 16 10.98	W 107 37 40.76
	6789.00	91.01	272.33	5563.46	1478.22	1481.12	-1103.21	4.06	1917487.38	560469.43	N 36 16 11.02	W 107 37 41.53
	6853.00	91.01	269.38	5562.34	1539.84	1482.08	-1167.18	4.61	1917488.20	560405.45	N 36 16 11.03	W 107 37 42.31
	6916.00	90.92	268.22	5561.27	1599.85	1480.76	-1230.16	1.85	1917486.75	560342.48	N 36 16 11.02	W 107 37 43.08
	6980.00	90.57	268.06	5560.44	1660.59	1478.68	-1294.12	0.60	1917484.53	560278.53	N 36 16 11.00	W 107 37 43.86
	7044.00	90.48	267.92	5559.86	1721.28	1476.44	-1358.08	0.26	1917482.15	560214.59	N 36 16 10.98	W 107 37 44.64
	7108.00	91.19	268.24	5558.92	1782.00	1474.29	-1422.03	1.22	1917479.87	560150.64	N 36 16 10.95	W 107 37 45.42
	7171.00	91.19	268.17	5557.61	1841.81	1472.32	-1484.99	0.11	1917477.76	560087.69	N 36 16 10.94	W 107 37 46.19
	7234.00	91.28	267.57	5556.26	1901.50	1469.98	-1547.93	0.96	1917475.28	560024.76	N 36 16 10.91	W 107 37 46.96
	7298.00	90.92	268.26	5555.03	1962.15	1467.65	-1611.87	1.22	1917472.82	559960.83	N 36 16 10.89	W 107 37 47.74
	7361.00	91.54	268.10	5553.68	2021.95	1465.65	-1674.83	1.02	1917470.68	559897.88	N 36 16 10.87	W 107 37 48.51
	7425.00	90.57	269.20	5552.50	2082.86	1464.14	-1738.80	2.29	1917469.04	559833.92	N 36 16 10.85	W 107 37 49.29
	7489.00	90.84	269.46	5551.71	2144.01	1463.40	-1802.79	0.59	1917468.15	559769.94	N 36 16 10.85	W 107 37 50.07
	7552.00	90.31	271.06	5551.08	2204.49	1463.68	-1865.78	2.68	1917468.30	559706.95	N 36 16 10.85	W 107 37 50.84
	7616.00	90.48	271.26	5550.64	2266.21	1464.98	-1929.77	0.41	1917469.46	559642.97	N 36 16 10.86	W 107 37 51.62
	7679.00	90.57	271.26	5550.06	2327.00	1466.36	-1992.75	0.14	1917470.71	559579.99	N 36 16 10.88	W 107 37 52.39
	7743.00	90.75	271.35	5549.32	2388.76	1467.82	-2056.73	0.31	1917472.03	559516.01	N 36 16 10.89	W 107 37 53.17
	7806.00	90.22	270.93	5548.79	2449.51	1469.07	-2119.71	1.07	1917473.14	559453.03	N 36 16 10.90	W 107 37 53.94
	7870.00	91.01	270.91	5548.10	2511.16	1470.10	-2183.70	1.23	1917474.03	559389.04	N 36 16 10.91	W 107 37 54.72
	7933.00	90.92	270.83	5547.04	2571.79	1470.95	-2246.69	0.47	1917474.74	559326.06	N 36 16 10.92	W 107 37 55.49
	7997.00	90.92	270.76	5546.01	2633.37	1471.72	-2310.67	0.70	1917475.38	559262.08	N 36 16 10.93	W 107 37 56.27
	8061.00	90.84	270.66	5545.03	2694.95	1472.52	-2374.66	0.20	1917476.04	559198.09	N 36 16 10.94	W 107 37 57.05
	8124.00	90.75	270.81	5544.16	2755.58	1473.32	-2437.65	0.28	1917476.71	559135.11	N 36 16 10.94	W 107 37 57.82
	8188.00	90.75	271.18	5543.32	2817.24	1474.44	-2501.63	0.58	1917477.68	559071.13	N 36 16 10.96	W 107 37 58.60
	8251.00	90.66	271.36	5542.54	2878.03	1475.83	-2564.61	0.32	1917478.94	559008.15	N 36 16 10.97	W 107 37 59.37
	8315.00	90.66	271.20	5541.81	2939.78	1477.26	-2628.59	0.25	1917480.23	558944.17	N 36 16 10.98	W 107 38 0.15
	8378.00	90.75	271.33	5541.03	3000.57	1478.65	-2691.57	0.25	1917481.49	558881.19	N 36 16 11.00	W 107 38 0.92
	8441.00	90.75	271.52	5540.21	3061.40	1480.22	-2754.55	0.30	1917482.92	558818.22	N 36 16 11.01	W 107 38 1.69
	8505.00	91.19	270.40	5539.12	3123.05	1481.29	-2818.53	1.88	1917483.85	558754.24	N 36 16 11.02	W 107 38 2.47
	8568.00	91.01	270.21	5537.91	3183.54	1481.63	-2881.52	0.42	1917484.05	558691.26	N 36 16 11.03	W 107 38 3.24
	8632.00	90.75	270.29	5536.93	3244.98	1481.91	-2945.51	0.43	1917484.19	558627.27	N 36 16 11.03	W 107 38 4.02
	8695.00	90.40	270.12	5536.30	3305.45	1482.13	-3008.51	0.62	1917484.28	558564.28	N 36 16 11.03	W 107 38 4.79
	8758.00	91.28	270.01	5535.37	3365.88	1482.20	-3071.50	1.41	1917484.22	558501.29	N 36 16 11.03	W 107 38 5.56
	8821.00	91.10	269.98	5534.07	3426.27	1482.20	-3134.48	0.29	1917484.08	558438.31	N 36 16 11.03	W 107 38 6.33
	8885.00	91.19	269.80	5532.79	3487.56	1481.96	-3198.47	0.61	1917483.70	558374.33	N 36 16 11.03	W 107 38 7.11
	8948.00	91.45	269.65	5531.34	3547.83	1481.55	-3261.45	0.42	1917483.16	558311.36	N 36 16 11.03	W 107 38 7.88
	9012.00	91.45	269.97	5529.72	3609.12	1481.34	-3325.43	0.50	1917482.81	558247.38	N 36 16 11.02	W 107 38 8.66
	9075.00	90.31	269.92	5528.75	3669.51	1481.28	-3388.42	1.81	1917482.61	558184.40	N 36 16 11.02	W 107 38 9.43
	9139.00	90.48	269.79	5528.31	3730.83	1481.12	-3452.42	0.33	1917482.31	558120.40	N 36 16 11.02	W 107 38 10.21
	9202.00	90.48	269.92	5527.78	3791.19	1480.96	-3515.42	0.21	1917482.01	558057.41	N 36 16 11.02	W 107 38 10.98
	9266.00	90.75	269.81	5527.09	3852.51	1480.81	-3579.42	0.46	1917481.73	557993.42	N 36 16 11.02	W 107 38 11.77
	9329.00	91.01	269.72	5526.13	3912.84	1480.55	-3642.41	0.44	1917481.33	557930.44	N 36 16 11.01	W 107 38 12.53
	9393.00	90.92	269.66	5525.05	3974.13	1480.31	-3706.40	0.26	1917480.96	557866.45	N 36 16 11.01	W 107 38 13.32
	9456.00	90.57	269.69	5524.23	4034.46	1480.07	-3769.39	0.62	1917480.58	557803.46	N 36 16 11.01	W 107 38 14.09
	9520.00	90.75	268.75	5523.49	4095.57	1479.19	-3833.38	1.50	1917479.57	557739.48	N 36 16 11.00	W 107 38 14.87
	9583.00	91.19	267.80	5522.42	4155.41	1477.30	-3896.34	1.66	1917477.54	557676.53	N 36 16 10.98	W 107 38 15.64
	9647.00	91.71	268.57	5520.80	4216.15	1475.27	-3960.29	1.45	1917475.37	557612.59	N 36 16 10.96	W 107 38 16.42
	9710.00	91.54	268.50	5519.02	4276.06	1473.66	-4023.24	0.29	1917473.63	557549.65	N 36 16 10.95	W 107 38 17.19
	9774.00	90.48	269.30	5517.89	4337.05	1472.43	-4087.22	2.07	1917472.26	557485.68	N 36 16 10.93	W 107 38 17.97
	9837.00	90.46	269.27	5517.36	4397.23	1471.65	-4150.21	0.05	1917471.34	557422.69	N 36	