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District III
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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

CONFIDENTIAL

¹ API Number 30-045-35496	² Pool Code 47540	³ Pool Name NAGEEZI GALLUP
⁴ Property Code 40266	⁵ Property Name CHACO 2308-09A	⁶ Well Number 145H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6883'

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
A	9	23N	8W		917	NORTH	240	EAST	SAN JUAN

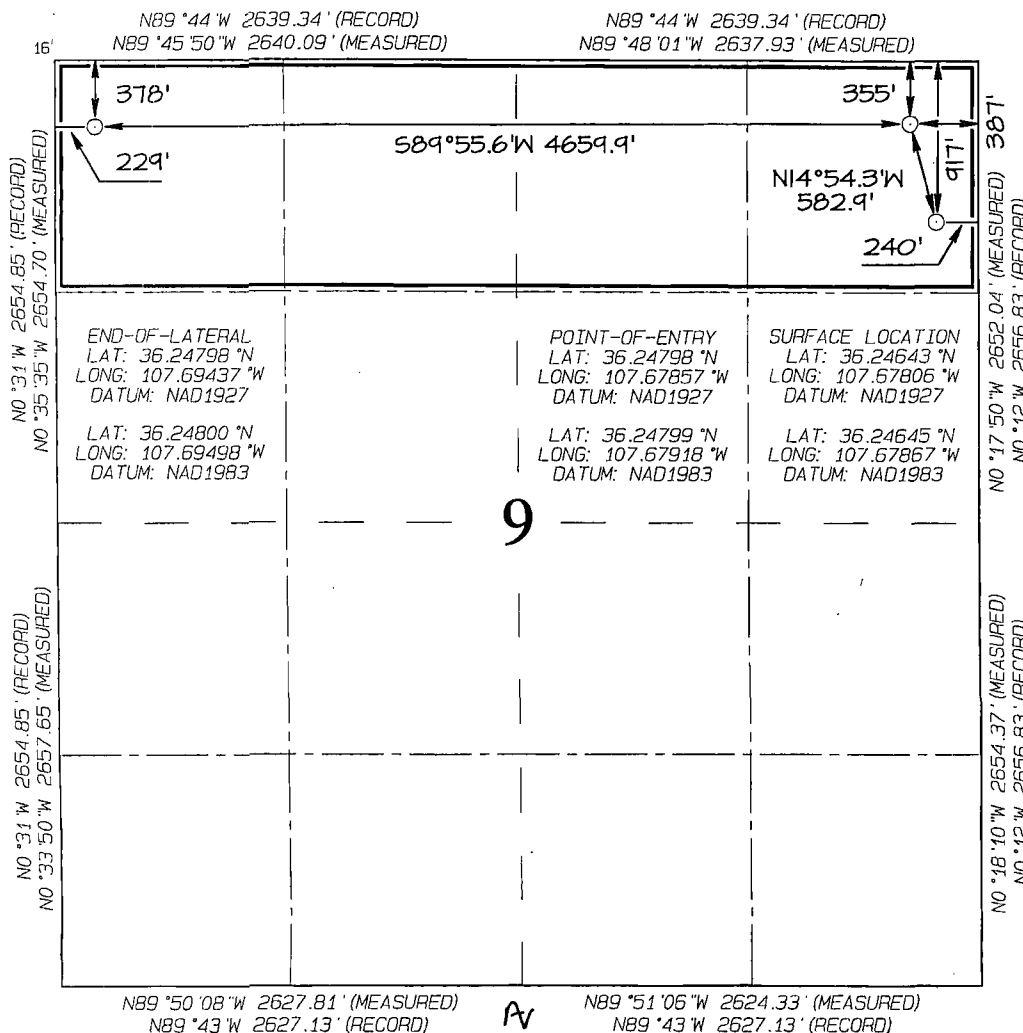
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	23N	8W		378	NORTH	229	WEST	SAN JUAN

¹² Dedicated Acres 160.0 Acres - (N/2 N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD MAR 27 '14 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: 3/21/14

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: FEBRUARY 24, 2014
Date of Survey: APRIL 19, 2013

Signature and Seal of Professional Surveyor

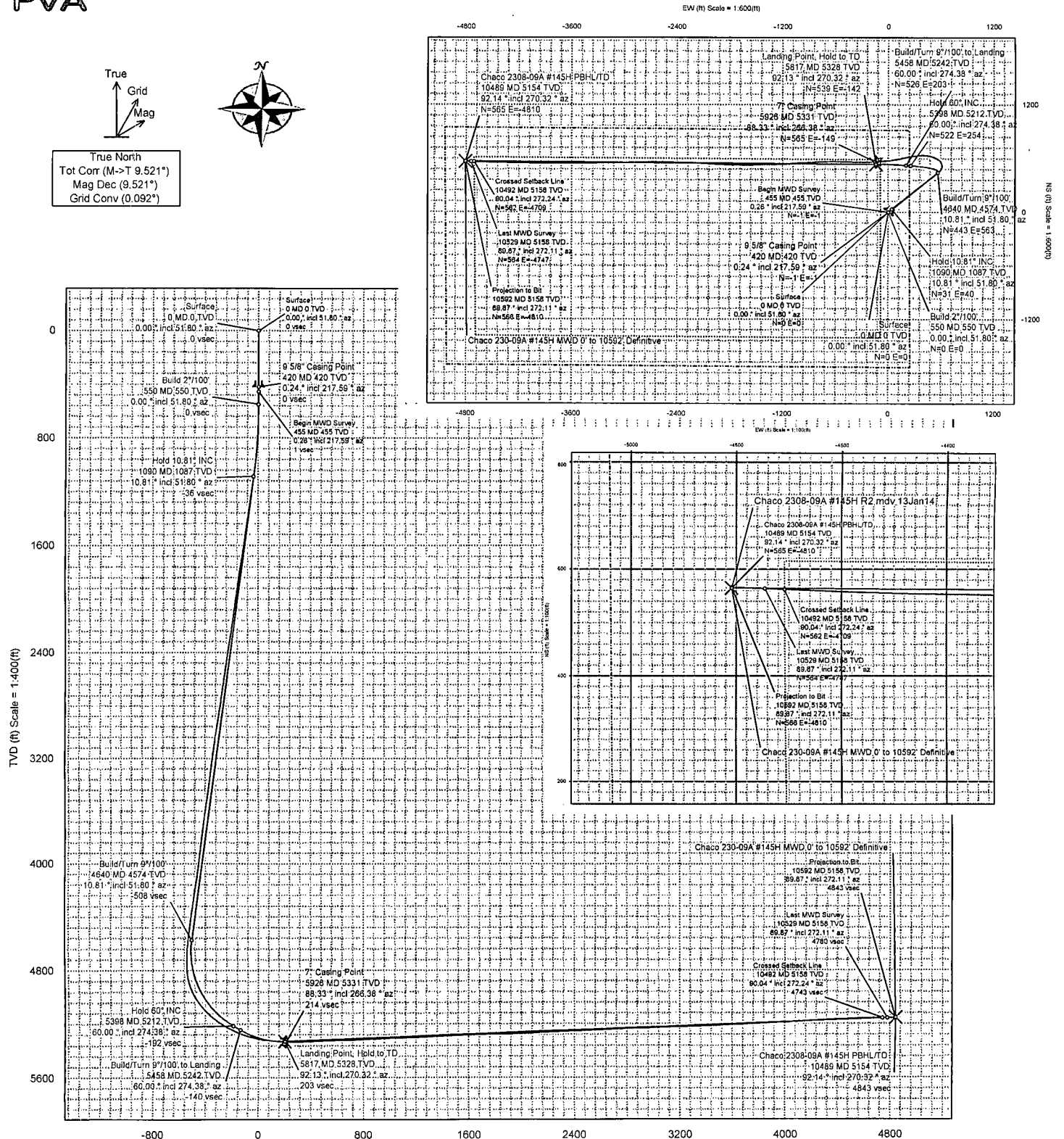
JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

JASON C. EDWARDS
Certificate Number 15269

Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2308-09A #145H	NM San Juan County NAD27	Sec 9-23N-8W

Gravity & Magnetic Parameters				Surface Location				NAD27 New Mexico State Plane, Western Zone, US Feet				Miscellaneous			
Model:	BGGM 2013	Dip: 62.999°	Date:	03-Feb-2014	Lat:	N 36 14 47.15	Northing:	1908979.059R US	Grid Conv:	0.0918"	Slot:	Chaco 2308- 09A #145H	TVD Ref:	RKB(6897ft above MSL)	
MagDec:	9.521°	FS:	50136.222nT	Gravity FS:	998.922mgn (9.80665 Based)	Lon:	W 107 40 41.02	Easting:	545785.68RUS	Scale Fact:	0.99991907	Plan:	Chaco 230-09A #145H MWD 0' to 10592' Definitive		

PvA



Vertical Section (ft) Azim = 276.696° Scale = 1:400(ft) Origin = 0N/-S, 0E/-W



Chaco 230-09A #145H MWD 0' to 10592' Definitive Survey Geodetic Report



(Def Survey)

Report Date: February 19, 2014 - 09:42 AM
Client: WPX Energy
Field: NM San Juan County NAD27
Structure / Slot: WPX Sec 9-23N-8W (Chaco 2308-09A #145H) / Chaco 2308-09A #145H
Well: Chaco 2308-09A #145H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 230-09A #145H MWD 0' to 10592' Definitive
Survey Date: February 03, 2014
Tort / AHD / DDI / ERD Ratio: 237.214' / 6291.331 ft / 6.472' / 1.180
Coordinate Reference System: NAD27 New Mexico State Plane, Western Zone, US Feet
Location Lat / Long: N 36° 14' 47.14800", W 107° 40' 41.01600"
Location Grid N/E Y/X: N 1908979.059 fTUS, E 545785.690 fTUS
CRS Grid Convergence Angle: 0.0918°
Grid Scale Factor: 0.99991907
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 276.696° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6897.000 ft above MSL
Seabed / Ground Elevation: 6883.000 ft above MSL
Magnetic Declination: 9.521°
Total Gravity Field Strength: 998.9218mgn (9.80665 Based)
Gravity Model: DOX
Total Magnetic Field Strength: 50136.222 nT
Magnetic Dip Angle: 62.999°
Declination Date: February 03, 2014
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000°
Total Corr Mag North-True North: 9.5211°
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	51.80	0.00	0.00	0.00	0.00	N/A	1908979.06	545785.69	N 36 14 47.15	W 107 40 41.02
9 5/8" Casing Point	420.00	0.24	217.59	420.00	0.45	-0.70	-0.54	0.06	1908978.36	545785.15	N 36 14 47.14	W 107 40 41.02
Begin MWD Survey	455.00	0.26	217.59	455.00	0.53	-0.82	-0.63	0.06	1908978.24	545785.06	N 36 14 47.14	W 107 40 41.02
	519.00	0.35	215.76	519.00	0.70	-1.09	-0.83	0.14	1908977.97	545784.86	N 36 14 47.14	W 107 40 41.03
	583.00	0.35	72.87	583.00	0.62	-1.19	-0.76	1.04	1908977.87	545784.93	N 36 14 47.14	W 107 40 41.03
	647.00	1.85	45.16	646.98	-0.21	-0.41	0.16	2.42	1908978.65	545785.85	N 36 14 47.14	W 107 40 41.01
	711.00	3.52	42.40	710.91	-1.99	1.77	2.22	2.82	1908980.84	545787.90	N 36 14 47.17	W 107 40 40.99
	775.00	5.19	48.68	774.72	-5.08	5.14	5.72	2.71	1908984.20	545791.40	N 36 14 47.20	W 107 40 40.95
	839.00	6.16	46.75	838.41	-9.22	9.40	10.39	1.54	1908988.48	545796.06	N 36 14 47.24	W 107 40 40.89
	903.00	7.91	46.04	901.93	-14.23	14.81	16.06	2.74	1908993.89	545801.73	N 36 14 47.29	W 107 40 40.82
	967.00	9.76	47.36	965.16	-20.55	21.54	23.22	2.91	1909000.64	545808.88	N 36 14 47.36	W 107 40 40.73
	1032.00	11.08	48.42	1029.09	-28.30	29.42	31.95	2.05	1909008.53	545817.59	N 36 14 47.44	W 107 40 40.63
	1096.00	11.87	49.03	1091.81	-36.83	37.82	41.52	1.25	1909016.94	545827.14	N 36 14 47.52	W 107 40 40.51
	1160.00	12.31	47.98	1154.39	-45.76	46.70	51.56	0.77	1909025.84	545837.17	N 36 14 47.61	W 107 40 40.39
	1223.00	12.75	49.73	1215.89	-54.94	55.69	61.85	0.92	1909034.64	545847.45	N 36 14 47.70	W 107 40 40.26
	1287.00	12.66	52.46	1278.32	-64.78	64.53	72.80	0.95	1909043.70	545856.38	N 36 14 47.79	W 107 40 40.13
	1349.00	12.66	51.76	1338.82	-74.46	72.87	83.52	0.85	1909052.06	545869.09	N 36 14 47.87	W 107 40 40.00
	1410.00	12.40	50.44	1398.36	-83.72	81.18	93.82	0.63	1909060.38	545879.38	N 36 14 47.95	W 107 40 39.87
	1472.00	12.05	50.35	1458.96	-92.79	89.55	103.94	0.57	1909068.77	545889.48	N 36 14 48.03	W 107 40 39.75
	1533.00	11.78	49.03	1518.64	-101.38	97.70	113.54	0.63	1909076.93	545899.07	N 36 14 48.11	W 107 40 39.63
	1594.00	10.90	54.22	1578.45	-109.82	105.15	122.92	2.21	1909084.40	545908.43	N 36 14 48.19	W 107 40 39.52
	1656.00	11.17	57.38	1639.31	-118.79	111.82	132.74	1.07	1909091.08	545918.24	N 36 14 48.25	W 107 40 39.40
	1717.00	11.96	57.47	1699.07	-128.26	118.40	143.04	1.30	1909097.68	545928.53	N 36 14 48.32	W 107 40 39.27
	1779.00	12.40	56.50	1759.67	-138.32	125.53	154.01	0.78	1909104.82	545938.49	N 36 14 48.39	W 107 40 39.14
	1840.00	11.78	52.63	1819.32	-147.80	132.92	164.42	1.67	1909112.23	545948.88	N 36 14 48.46	W 107 40 39.01
	1902.00	11.17	49.65	1880.08	-156.44	140.65	174.03	1.37	1909119.98	545959.48	N 36 14 48.54	W 107 40 38.89
	1963.00	11.08	49.29	1939.94	-164.43	148.30	182.97	0.19	1909127.64	545969.41	N 36 14 48.61	W 107 40 38.78
	2025.00	11.52	48.77	2000.73	-172.61	156.27	192.15	0.73	1909135.62	545977.57	N 36 14 48.69	W 107 40 38.67
	2086.00	11.34	51.49	2060.52	-180.92	164.02	201.42	0.93	1909143.38	545986.83	N 36 14 48.77	W 107 40 38.56
	2148.00	11.70	53.07	2121.28	-189.77	171.59	211.21	0.77	1909150.97	545996.61	N 36 14 48.84	W 107 40 38.44
	2209.00	11.87	53.43	2180.99	-198.81	179.04	221.20	0.30	1909158.44	546006.58	N 36 14 48.92	W 107 40 38.32
	2301.00	12.13	52.35	2270.98	-212.61	190.58	236.45	0.37	1909170.01	546021.81	N 36 14 49.03	W 107 40 38.13
	2363.00	12.84	52.55	2331.51	-222.22	198.75	247.08	1.15	1909178.19	546032.43	N 36 14 49.11	W 107 40 38.00
	2424.00	12.57	53.78	2391.02	-231.94	206.80	257.81	0.63	1909186.25	546043.15	N 36 14 49.19	W 107 40 37.87
	2486.00	12.31	53.34	2451.56	-241.69	214.73	268.56	0.45	1909194.20	546053.88	N 36 14 49.27	W 107 40 37.74
	2549.00	11.08	50.52	2513.26	-250.76	222.59	278.62	2.15	1909202.07	546063.93	N 36 14 49.35	W 107 40 37.61
	2613.00	11.61	49.73	2576.00	-259.42	230.66	288.28	0.86	1909210.16	546073.57	N 36 14 49.43	W 107 40 37.50
	2677.00	12.66	49.65	2638.57	-268.59	239.36	298.54	1.64	1909218.88	546083.82	N 36 14 49.52	W 107 40 37.37
	2741.00	12.31	51.67	2701.06	-278.19	248.14	309.23	0.87	1909227.67	546094.50	N 36 14 49.60	W 107 40 37.24
	2805.00	10.90	55.36	2763.75	-287.56	255.81	319.56	2.49	1909235.36	546104.82	N 36 14 49.68	W 107 40 37.11
	2869.00	10.82	55.97	2826.61	-296.65	262.61	329.52	0.22	1909242.17	546114.76	N 36 14 49.74	W 107 40 36.99
	2933.00	11.52	55.71	2889.39	-306.03	269.57	339.78	1.10	1909249.15	546125.01	N 36 14 49.81	W 107 40 36.87
	2997.00	12.13	55.80	2952.03	-315.94	276.95	350.62	0.95	1909256.55	546135.84	N 36 14 49.89	W 107 40 36.74
	3060.00	12.13	55.10	3013.63	-325.89	284.46	361.52	0.23	1909264.07	546146.73	N 36 14 49.96	W 107 40 36.60
	3124.00	10.29	51.40	3076.40	-334.94	291.87	371.51	3.09	1909271.50	546156.70	N 36 14 50.03	W 107 40 36.48
	3188.00	10.64	50.79	3139.34	-343.07	299.17	380.55	0.57	1909278.82	546165.73	N 36 14 50.11	W 107 40 36.37
	3252.00	11.08	50.17	3202.19	-351.41	306.85	389.85	0.71	1909286.51	546175.02	N 36 14 50.18	W 107 40 36.26
	3316.00	11.17	48.68	3264.99	-359.79	314.88	399.23	0.47	1909294.55	546184.38	N 36 14 50.26	W 107 40 36.14
	3380.00	10.82	49.82	3327.82	-368.05	322.85	408.48	0.64	1909302.54	546193.62	N 36 14 50.34	W 107 40 36.03
	3444.00	10.82	50.52	3390.68	-376.31	330.54	417.70	0.21	1909310.24	546202.83	N 36 14 50.42	W 107 40 35.92
	3507.00	10.90	51.93	3452.55	-384.64	337.98	426.96	0.44	1909317.69	546212.07	N 36 14 50.49	W 107 40 35.80
	3571.00	10.99	53.16	3515.39	-393.35	345.37	436.60	0.39	1909325.10	546221.70	N 36 14 50.56	W 107 40 35.69
	3635.00	11.70	53.51	3578.14	-402.51	352.88	446.70	1.11	1909332.63	546231.79	N 36 14 50.64	W 107 40 35.56
	3699.00	10.82	52.37	3640.90	-411.54	360.41	456.68	1.42	1909340.17	546241.75	N 36 14 50.71	W 107 40 35.44
	3763.00	10.82	50.70	3703.76	-420.01	367.88	466.08	0.49	1909347.66	546251.14	N 36 14 50.79	W 107 40 35.33
	3827.00	9.58	51.14	3766.75	-427.91	375.03	474.88	1.94	1909354.82	546259.93	N 36 14 50.86	W 107 40 35.22
	3891.00	9.41	53.69	3829.88	-435.47	381.47	483.24	0.71	1909361.27	546268.28	N 36 14 50.92	W 107 40 35.12
	3955.00	9.94	52.55	3892.97	-443.26	387.93	491.84	0.88	1909367.74	546276.87	N 36 14 50.98	W 107 40 35.01
	4019.00	9.67	52.90	3956.03	-451.10	394.53	500.52	0.43	1909374.35	546285.53	N 36 14 51.05	W 107 40 34.91
	4083.00	10.38	51.49	4019.05	-459.04	401.36	509.31	1.17	1909381.20	546294.32	N 36 14 51.12	W 107 40 34.80
	4147.00	10.90	52.63	4081.95	-467.45	408.62	518.64	0.88	1909388.48	546303.63	N 36 14 51.19	W 107 40 34.68
	4211.00	12.05	52.90	4144.67	-476.82	416.32	528.77	1.80	1909396.20	546313.75	N 36 14 51.26	W 107 40 34.56
	4275.00	12.49	51.84	4207.21	-486.35	424.63	539.54	0.77	1909404.52	546324.51	N 36 14 51.35	W 107 40 34.43
	4338.00	12.49	50.17	4268.72	-495.87	433.20	550.13	0.57	1909413.11	546335.08	N 36 14 51.43	W 107 40 34.30
	4403.00	12.93	49.47	4332.13	-505.64	442.43	561.06	0.72	1909422.35	546345.99	N 36 14 51.52	W 107 40 34.17
	4467.00	11.52	45.95	4394.67	-514.55	451.53	571.09	2.49	1909431.46	546356.01	N 36 14 51.61	W 107 40 34.04
	4531.00	11.43	45.78	4457.40	-522.59	460.39	580.23	0.15	1909440.34	546365.13	N 36 14 51.70	W 107 40 33.93
	4595.00	11.87	42.35	4520.08	-530.42	469.68	589.21	1.28	1909449.64	546374.10	N 36 14 51.79	W 107 40 33.82
	4658.00	12.05	36.73	4581.71	-537.49	479.74	597.51	1.87	1909459.72	546382.38	N 36 14 51.89	W 107 40 33.72
	4723.00	12.57	26.97	4645.22	-543.34	491.48	604.77	3.30	1909471.47	546389.63	N 36 14 52.01	W 107 40 33.63
	4787.00	13.28	12.12	4707.62	-546.45	504.88	609.48	5.29	1909484.87	546394.31	N 36 14 52.14	W 107 40 33.58
	4851.00	15.48	357.09	4769.63	-5495							

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 ° ' ")
	5171.00	39.22	290.06	5055.45	-443.83	613.48	518.90	12.53	1909593.32	546303.57	N 36 14 53.21 W	107 40 34.68
	5235.00	44.67	284.40	5103.05	-401.80	626.03	478.06	10.36	1909605.80	546262.71	N 36 14 53.34 W	107 40 35.18
	5299.00	49.51	275.22	5146.66	-355.10	633.85	431.95	12.93	1909613.55	546216.59	N 36 14 53.42 W	107 40 35.74
	5363.00	55.66	269.52	5185.55	-304.48	635.84	381.22	11.93	1909615.46	546165.86	N 36 14 53.44 W	107 40 36.36
	5427.00	62.26	262.75	5218.56	-250.67	632.04	326.60	13.72	1909611.57	546111.25	N 36 14 53.40 W	107 40 37.03
	5491.00	64.63	262.08	5247.17	-195.20	624.48	269.86	3.82	1909603.92	546054.52	N 36 14 53.32 W	107 40 37.72
	5555.00	70.43	259.69	5271.62	-138.33	615.09	211.50	9.70	1909594.44	545996.18	N 36 14 53.23 W	107 40 38.43
	5619.00	75.62	257.96	5290.30	-80.10	603.22	151.47	8.51	1909582.47	545936.18	N 36 14 53.11 W	107 40 39.17
	5683.00	78.00	259.51	5304.91	-20.83	591.05	90.37	4.40	1909570.21	545875.10	N 36 14 52.99 W	107 40 39.91
	5747.00	81.69	263.07	5316.19	39.89	581.53	28.11	7.95	1909560.58	545812.87	N 36 14 52.90 W	107 40 40.67
	5811.00	84.24	263.86	5324.03	101.71	574.30	-34.99	4.17	1909553.26	545749.79	N 36 14 52.83 W	107 40 41.44
	5875.00	86.88	265.46	5328.98	164.11	568.37	-98.51	4.82	1909547.22	545686.28	N 36 14 52.77 W	107 40 42.22
7" Casing Point	5926.00	88.33	266.39	5331.12	214.17	564.74	-149.33	3.36	1909543.51	545635.46	N 36 14 52.73 W	107 40 42.84
	5996.00	90.31	267.64	5331.95	283.16	561.09	-219.23	3.36	1909539.75	545565.58	N 36 14 52.70 W	107 40 43.69
	6058.00	92.07	269.88	5330.66	344.54	559.75	-281.19	4.59	1909538.31	545503.62	N 36 14 52.68 W	107 40 44.45
	6122.00	92.59	271.34	5328.06	408.13	560.43	-345.14	2.42	1909538.89	545439.69	N 36 14 52.69 W	107 40 45.23
	6186.00	92.33	270.79	5325.31	471.76	561.62	-409.07	0.95	1909539.97	545375.76	N 36 14 52.70 W	107 40 46.01
	6250.00	92.33	271.26	5322.71	535.40	562.76	-473.00	0.73	1909541.01	545311.83	N 36 14 52.71 W	107 40 46.79
	6314.00	92.07	271.47	5320.26	599.07	564.28	-536.94	0.52	1909542.44	545247.89	N 36 14 52.73 W	107 40 47.57
	6378.00	92.15	270.12	5317.90	662.69	565.17	-600.89	2.11	1909543.22	545183.95	N 36 14 52.74 W	107 40 48.35
	6442.00	91.71	269.45	5315.74	726.19	564.93	-664.85	1.25	1909542.88	545119.99	N 36 14 52.73 W	107 40 49.13
	6506.00	92.68	268.24	5313.29	789.54	563.64	-728.79	2.42	1909541.49	545056.06	N 36 14 52.72 W	107 40 49.91
	6571.00	92.59	267.60	5310.30	853.71	561.29	-793.67	0.99	1909539.03	544991.18	N 36 14 52.70 W	107 40 50.71
	6634.00	92.51	267.20	5307.50	915.82	558.43	-856.55	0.65	1909536.07	544928.32	N 36 14 52.67 W	107 40 51.47
	6698.00	92.24	266.95	5304.61	979.65	555.12	-921.41	0.57	1909532.65	544863.47	N 36 14 52.64 W	107 40 52.26
	6763.00	92.33	267.14	5302.26	1042.89	551.82	-985.27	0.33	1909529.25	544799.62	N 36 14 52.60 W	107 40 53.04
	6827.00	91.89	265.73	5299.90	1105.83	547.84	-1049.10	2.31	1909525.18	544735.80	N 36 14 52.57 W	107 40 53.82
	6890.00	90.92	265.20	5298.35	1167.60	542.86	-1111.88	1.75	1909520.10	544673.03	N 36 14 52.52 W	107 40 54.59
	6954.00	92.77	267.79	5296.29	1230.55	538.95	-1175.72	4.97	1909516.08	544609.20	N 36 14 52.48 W	107 40 55.37
	7018.00	92.77	268.74	5293.30	1294.78	536.99	-1240.62	1.51	1909514.01	544544.31	N 36 14 52.46 W	107 40 56.16
	7082.00	92.24	268.43	5290.69	1357.17	535.98	-1303.56	1.18	1909512.91	544481.38	N 36 14 52.45 W	107 40 56.93
	7146.00	92.15	268.28	5288.24	1420.50	535.26	-1367.51	0.27	1909511.12	544417.44	N 36 14 52.44 W	107 40 57.71
	7210.00	92.33	268.17	5285.74	1484.00	534.40	-1431.46	0.33	1909511.12	544354.50	N 36 14 52.43 W	107 40 58.49
	7274.00	91.45	267.50	5283.63	1547.29	532.54	-1495.39	2.95	1909509.16	544289.57	N 36 14 52.41 W	107 40 59.27
	7338.00	92.15	269.84	5281.74	1606.66	531.15	-1555.34	4.07	1909507.67	544223.63	N 36 14 52.40 W	107 41 00.00
	7401.00	92.88	270.27	5278.92	1673.16	531.21	-1622.28	1.02	1909507.63	544162.69	N 36 14 52.40 W	107 41 00.82
	7465.00	92.07	270.39	5276.27	1736.71	531.58	-1686.22	0.97	1909507.89	544098.76	N 36 14 52.40 W	107 41 1.60
	7529.00	90.75	269.40	5274.69	1800.23	531.46	-1750.20	2.58	1909507.67	544034.78	N 36 14 52.40 W	107 41 2.38
	7593.00	92.59	271.67	5272.83	1863.83	532.06	-1814.17	4.56	1909508.17	543970.82	N 36 14 52.41 W	107 41 3.16
	7657.00	92.07	272.96	5270.22	1927.59	534.64	-1878.06	2.17	1909510.65	543906.93	N 36 14 52.43 W	107 41 3.94
	7721.00	90.84	272.90	5268.60	1991.43	537.91	-1941.95	1.92	1909513.81	543843.04	N 36 14 52.47 W	107 41 4.72
	7785.00	92.51	273.31	5266.73	2055.27	541.38	-2005.83	2.69	1909517.18	543779.16	N 36 14 52.50 W	107 41 5.50
	7848.00	92.42	272.85	5264.02	2118.09	544.76	-2068.68	0.74	1909520.46	543716.31	N 36 14 52.53 W	107 41 6.27
	7913.00	92.42	272.88	5261.27	2182.89	548.00	-2133.54	0.05	1909523.60	543651.45	N 36 14 52.57 W	107 41 7.06
	7977.00	91.98	271.87	5258.82	2246.66	550.65	-2197.44	1.72	1909526.15	543587.55	N 36 14 52.59 W	107 41 7.84
	8041.00	92.95	271.66	5256.06	2310.36	552.62	-2261.35	1.55	1909528.01	543523.65	N 36 14 52.61 W	107 41 8.62
	8106.00	92.07	271.36	5253.22	2375.03	554.33	-2326.26	1.43	1909529.62	543458.74	N 36 14 52.63 W	107 41 9.41
	8170.00	92.59	271.58	5250.62	2438.71	555.98	-2390.19	0.88	1909531.16	543394.81	N 36 14 52.64 W	107 41 10.20
	8234.00	92.77	271.69	5247.62	2502.39	557.80	-2454.09	0.33	1909532.88	543330.91	N 36 14 52.66 W	107 41 10.98
	8298.00	92.51	271.04	5244.68	2566.05	559.32	-2518.01	1.09	1909534.30	543267.00	N 36 14 52.68 W	107 41 11.76
	8362.00	92.42	270.29	5241.92	2629.63	560.06	-2581.94	1.18	1909534.75	543203.07	N 36 14 52.69 W	107 41 12.54
	8426.00	92.42	269.55	5239.22	2693.13	559.98	-2645.88	1.16	1909534.75	543139.13	N 36 14 52.68 W	107 41 13.32
	8490.00	92.95	269.81	5236.22	2756.58	559.62	-2709.81	0.92	1909534.29	543075.21	N 36 14 52.68 W	107 41 14.10
	8554.00	91.98	269.25	5233.47	2820.02	559.09	-2773.75	1.75	1909533.66	543011.28	N 36 14 52.69 W	107 41 14.88
	8618.00	90.22	268.56	5232.24	2883.42	557.87	-2837.72	2.95	1909532.34	542947.31	N 36 14 52.66 W	107 41 15.66
	8682.00	92.77	268.10	5230.57	2946.71	556.01	-2901.67	4.05	1909530.37	542883.37	N 36 14 52.64 W	107 41 16.44
	8746.00	93.12	268.74	5227.28	3009.96	554.24	-2965.56	1.14	1909528.50	542819.49	N 36 14 52.63 W	107 41 17.22
	8810.00	92.24	268.77	5224.29	3073.27	552.85	-3028.47	1.38	1909527.01	542755.58	N 36 14 52.61 W	107 41 18.00
	8873.00	91.98	269.34	5221.97	3135.67	551.82	-3092.42	0.99	1909525.87	542692.64	N 36 14 52.60 W	107 41 18.77
	8937.00	90.75	268.79	5220.45	3199.09	550.77	-3156.39	2.11	1909524.73	542628.68	N 36 14 52.59 W	107 41 19.55
	9001.00	92.42	269.66	5218.68	3262.51	549.91	-3220.36	2.94	1909523.76	542564.72	N 36 14 52.58 W	107 41 20.33
	9065.00	91.71	269.57	5216.37	3325.99	549.48	-3284.32	1.12	1909523.23	542500.77	N 36 14 52.58 W	107 41 21.11
	9129.00	91.19	269.48	5214.75	3389.46	548.95	-3348.30	0.82	1909522.59	542436.80	N 36 14 52.57 W	107 41 21.89
	9192.00	91.80	270.55	5213.11	3452.01	548.96	-3411.27	1.95	1909522.51	542373.83	N 36 14 52.57 W	107 41 22.66
	9256.00	93.56	269.97	5210.11	3515.54	549.25	-3475.20	2.90	1909522.70	542309.90	N 36 14 52.58 W	107 41 23.44
	9320.00	92.51	268.65	5206.73	3578.92	548.48	-3539.10	2.63	1909521.83	542246.01	N 36 14 52.57 W	107 41 24.22
	9384.00	91.63	268.23	5204.41	3642.21	546.74	-3603.04	1.52	1909519.98	542182.08	N 36 14 52.55 W	107 41 25.00
	9448.00	93.65	270.06	5201.47	3705.58	545.79	-3666.95	4.26	1909518.93	542118.17	N 36 14 52.54 W	107 41 25.78
	9512.00	92.77	269.96	5197.88	3769.05	545.80	-3730.85	1.38	1909518.83	542054.28	N 36 14 52.54 W	107 41 26.56
	9576.00	92.86	270.26	5194.74	3832.55	545.92	-3794.78	0.49	1909518.85	541990.36	N 36 14 52.54 W	107 41 27.34
	9640.00	92.59	271.12	5191.70	3896.12	546.69	-3858.70	1.41	1909519.52	541926.44	N 36 14 52.55 W	107 41 28.12
	9704.00	92.07	270.96	5189.09	3959.76	547.85	-3922.64	0.85	1909520.58	541862.51	N 36 14 52.56 W	107 41 28.90
	9768.00	93.74	270.91	5185.85	4023.35	548.90	-3986.54	2.61	1909521.52	541798.60	N 36 14 52.57 W	107 41 29.68
	9831.00	92.51	269.63	5182.42	4085.86	549.19	-4049.45	2.82	1909521.72	541735.71	N 36 14 52.58 W	107 41 30.45
	9896.00	93.91	270.88	5178.78	4150.35	549.48	-4114.34	2.89	1909521.90	541670.82	N 36 14 52.58 W	107 41 31.24
	9960.00	93.39	270.60	5174.70	4213.87	550.30	-4178.20	0.92	1909522.62	5416		