

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) 476-3460 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 30-045-35500		*Pool Code 97232 / 47540		*Pool Name BASIN MANCOS (M&N) / NAGEEZI GALLUP (O&P)	
*Property Code 39581		*Property Name CHACO 2308-16I			*Well Number 148H
*GRID No. 120782		*Operator Name WPX ENERGY PRODUCTION, LLC			*Elevation 6866'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	23N	8W		1531	SOUTH	281	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

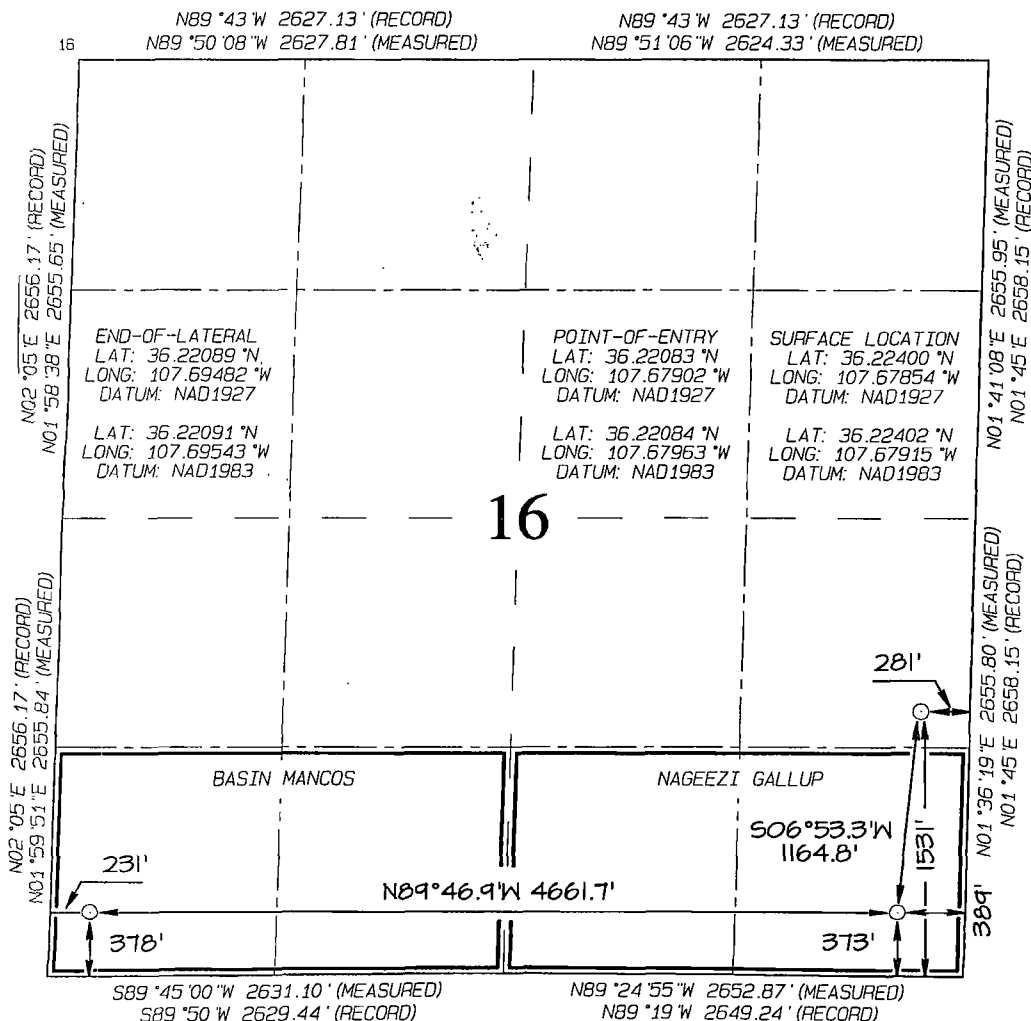
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	23N	8W		378	SOUTH	231	WEST	SAN JUAN

12 Dedicated Acres 160.0 Acres - (S/2 S/2)	13 Joint or Infill	14 Consolidation Code	15 Order No.
---	--------------------	-----------------------	--------------

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

OIL CONS. DIV DIST. 3

MAY 16 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: 5/15/14
Printed Name: Larry Higgins
E-mail Address: Larry.Higgins@wpenergy.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: MAY 14, 2014
Survey Date: FEBRUARY 1, 2013

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

AV



AWS 980

WPX Energy

REVISED

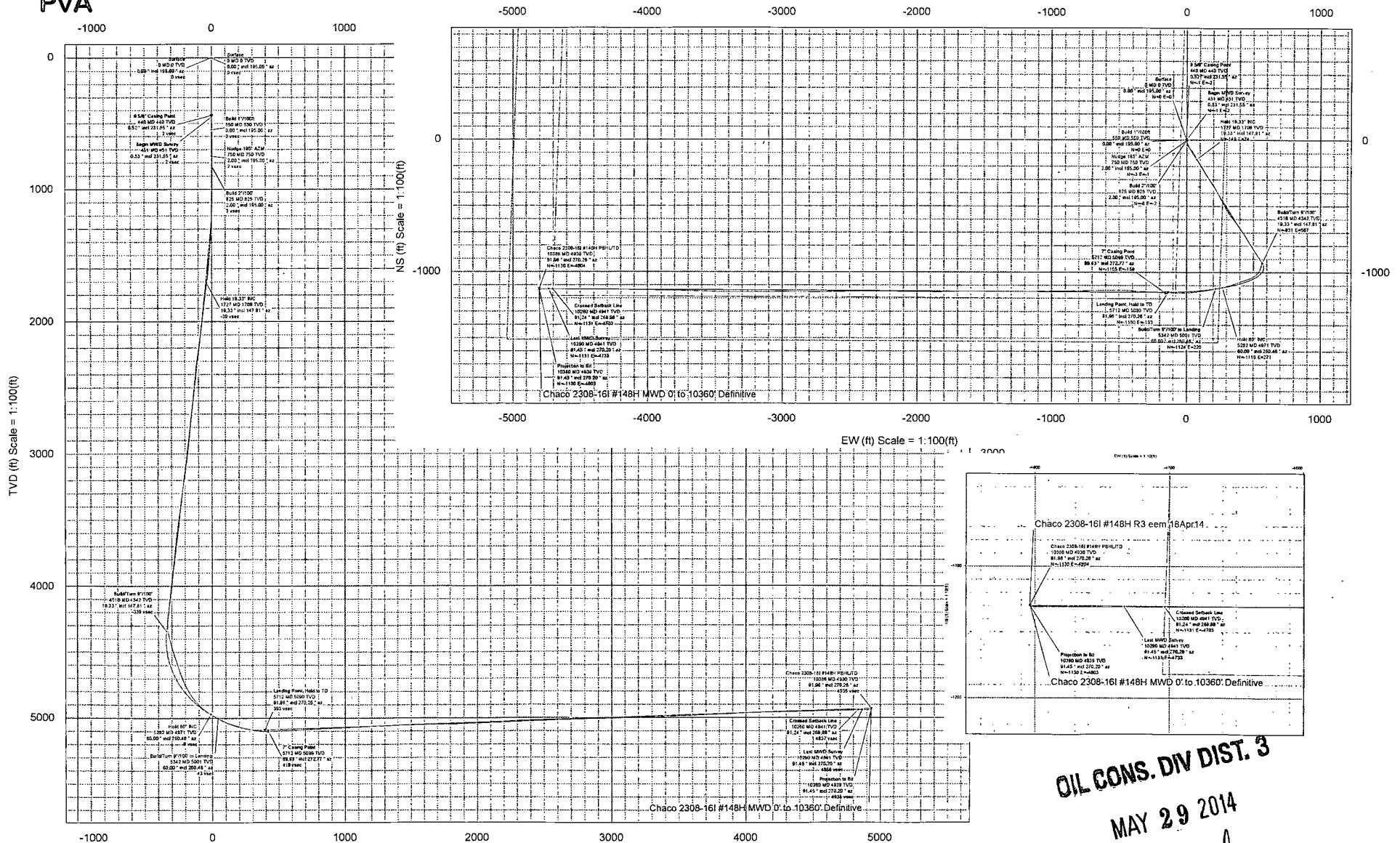
CONFIDENTIAL

PATHFINDER
A Schlumberger Company

Borehole:	Original Hole	Well:	Chaco 2308-161 #148H	Field:	NM San Juan County NAD27	Structure:	WPX Sec 16-23N-8W (Chaco 2308-161 #148H)
-----------	---------------	-------	----------------------	--------	--------------------------	------------	--

Gravity & Magnetic Parameters	Surface Location	NAD27 New Mexico State Plane, Western Zone, US Feet	Miscellaneous
Model: BGM 2013	Lat: N 36 13 26.40	Northing: 1900814.0131HUS	Slot: Chaco 2308-161 #148H
MagDec: 9.497°	Lon: W 107 40 42.74	Easting: 545657.191HUS	TVD Ref: RKB(680H above MSL)
Dip: 62.973°		Grid Conv: 0.0915°	Plan: Chaco 2308-161 #148H MWD 0' to 10360' Definitive
FS: 60089.586mT		Scale Fact: 0.99991905	
Date: 18-Apr-2014			
Gravity FS: 998.502mgm (3.80665 Based)			

PvA



OIL CONS. DIV DIST. 3
MAY 29 2014
Revised



CONFIDENTIAL WPX Energy

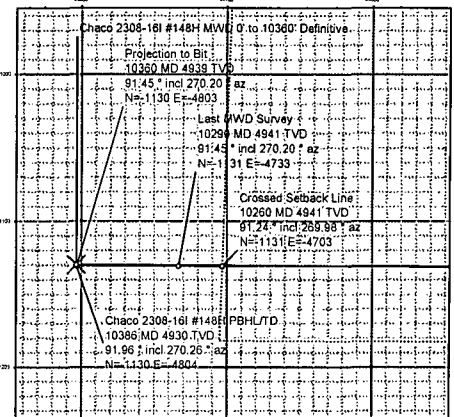
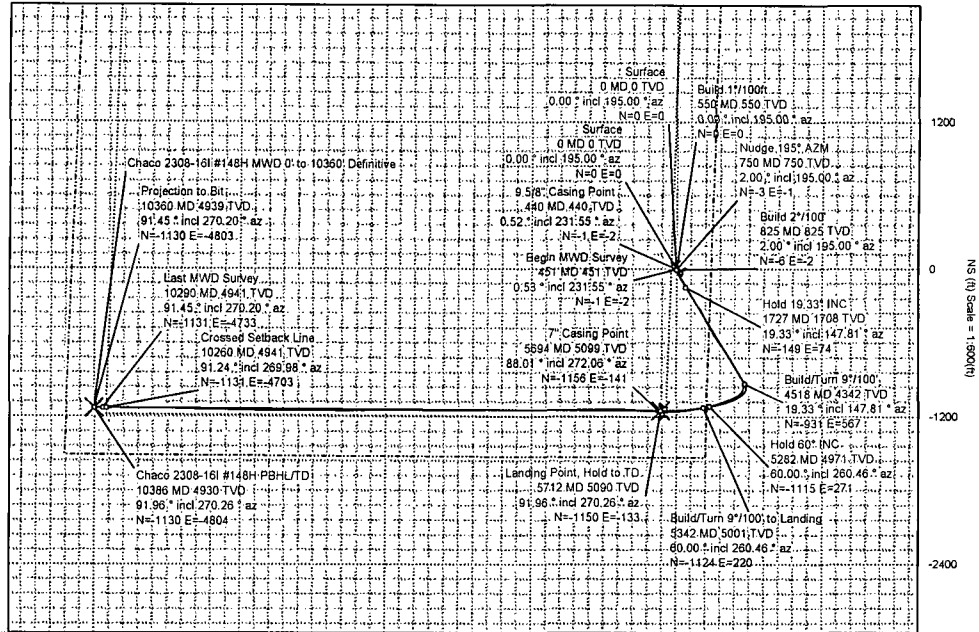
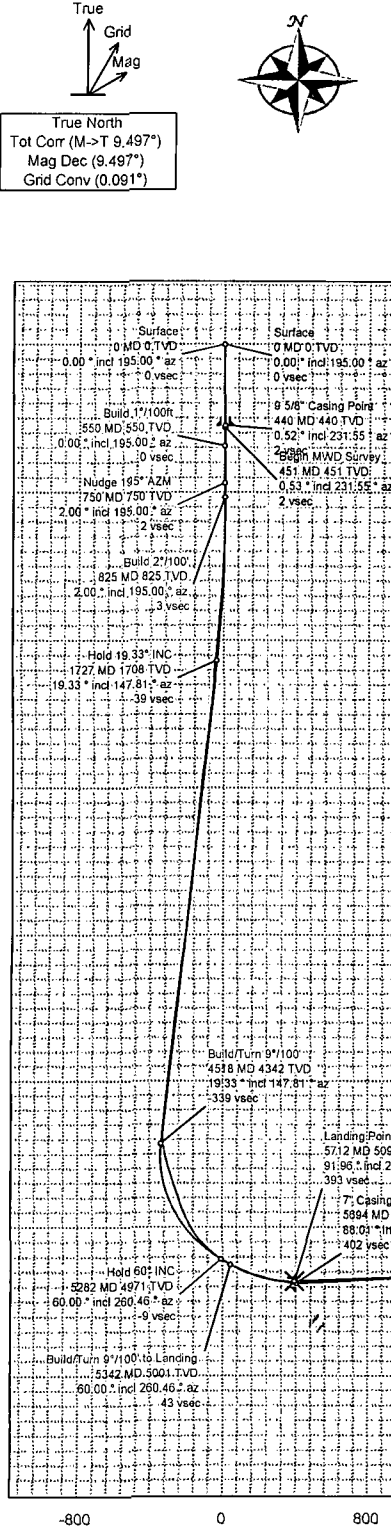
PATHFINDER
A Schlumberger Company

Borehole:	Well:	Field:	Structure:
Original Hole	Chaco 2308-161 #148H	NM San Juan County NAD27	WPX Sec 16-23N-8W (Chaco 2308-161 #148H)

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2013 Dip: 62.973° Date: 18-Apr-2014	NAD27 New Mexico State Plane, Western Zone, US Feet	Slot: Chaco 2308-161 #148H
MagDec: 9.497° FS: 50099.586mT Gravity FS: 998.502mgm (9.80665 Based)	Lat: N 36 13 26.40 Northing: 1900814.013R Grid Conv: 0.0915°	TVD Ref: RKB(6880ft above MSL)
	Lon: W 107 40 42.74 Easting: 545657.19RUS Scale Fact: 0.99991905	Plan: Chaco 2308-161 #148H MWD 0' to 10360' Definitive

PVA

EW (ft) Scale = 1:600(R)



Vertical Section (ft) Azim = 256.77° Scale = 1:400(ft) Origin = ON-S, OE-W



Chaco 2308-16I #148H MWD 0' to 10360' Definitive Survey Geodetic Report

(Def Survey)



Report Date: May 06, 2014 - 12:52 PM
Client: WPX Energy
Field: NM San Juan County NAD27
Structure / Slot: WPX Sec 16-23N-8W (Chaco 2308-16I #148H) / Chaco 2308-16I #148H
Well: Chaco 2308-16I #148H
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2308-16I #148H MWD 0' to 10360' Definitive
Survey Date: April 18, 2014
Tort / AHD / DDI / ERD Ratio: 208.207' / 6537.659 ft / 6.442 / 1.282
Coordinate Reference System: NAD27 New Mexico State Plane, Western Zone, US Feet
Location Lat / Long: N 36° 13' 26.40000", W 107° 40' 42.74400"
Location Grid N/E Y/X: N 1900814.013 IUS, E 545657.190 IUS
CRS Grid Convergence Angle: 0.0915 °
Grid Scale Factor: 0.99991905
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 256.767 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6880.000 ft above MSL
Seabed / Ground Elevation: 6866.000 ft above MSL
Magnetic Declination: 9.497 °
Total Gravity Field Strength: 998.5021mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 50099.586 nT
Magnetic Dip Angle: 62.973 °
Declination Date: April 18, 2014
Magnetic Declination Model: BGGM 2013
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North-True North: 9.4966 °
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	195.00	0.00	0.00	0.00	0.00	N/A	1900814.01	545657.19	N 36 13 26.40	W 107 40 42.74
9 5/8" Casing Point	440.00	0.52	231.55	439.99	1.80	-1.23	-1.55	0.12	1900812.78	545655.64	N 36 13 26.39	W 107 40 42.76
Begin MWD Survey	451.00	0.53	231.55	450.99	1.89	-1.30	-1.63	0.12	1900812.71	545655.56	N 36 13 26.39	W 107 40 42.76
	515.00	0.53	225.05	514.99	2.41	-1.69	-2.07	0.09	1900812.32	545655.12	N 36 13 26.38	W 107 40 42.77
	578.00	1.93	182.60	577.98	2.94	-2.96	-2.33	2.51	1900811.05	545654.87	N 36 13 26.37	W 107 40 42.77
	641.00	2.46	173.01	640.93	3.38	-5.36	-2.21	1.02	1900808.65	545654.99	N 36 13 26.35	W 107 40 42.77
	704.00	2.73	174.42	703.86	3.73	-8.19	-1.90	0.44	1900805.82	545655.30	N 36 13 26.32	W 107 40 42.77
	767.00	2.73	178.99	766.79	4.24	-11.19	-1.73	0.35	1900802.83	545655.48	N 36 13 26.29	W 107 40 42.77
	830.00	2.73	175.48	829.72	4.79	-14.18	-1.59	0.27	1900799.83	545655.63	N 36 13 26.26	W 107 40 42.76
	894.00	4.04	166.77	893.61	5.02	-17.90	-0.95	2.19	1900796.12	545656.27	N 36 13 26.22	W 107 40 42.76
	957.00	5.72	159.39	956.38	4.62	-23.00	0.66	2.84	1900791.02	545657.89	N 36 13 26.17	W 107 40 42.74
	1020.00	5.72	157.11	1019.07	3.69	-28.83	2.99	0.36	1900785.19	545660.23	N 36 13 26.11	W 107 40 42.71
	1083.00	6.86	153.15	1081.69	2.28	-35.08	5.91	1.94	1900778.95	545663.16	N 36 13 26.05	W 107 40 42.67
	1147.00	8.82	148.67	1145.10	-0.11	-42.58	10.13	2.91	1900771.45	545667.39	N 36 13 25.98	W 107 40 42.62
	1210.00	9.76	147.70	1207.29	-3.33	-51.13	15.44	1.83	1900762.91	545672.71	N 36 13 25.89	W 107 40 42.56
	1271.00	10.99	144.19	1267.29	-7.25	-60.22	21.60	2.27	1900753.84	545678.89	N 36 13 25.80	W 107 40 42.48
	1332.00	11.87	141.73	1327.08	-12.13	-69.86	28.69	1.65	1900744.21	545686.19	N 36 13 25.71	W 107 40 42.39
	1392.00	13.10	141.11	1385.66	-17.69	-79.99	36.98	2.06	1900734.08	545694.30	N 36 13 25.61	W 107 40 42.29
	1453.00	13.54	144.63	1445.02	-23.37	-91.20	45.46	1.51	1900722.90	545702.79	N 36 13 25.50	W 107 40 42.19
	1514.00	14.95	151.66	1504.15	-28.12	-103.95	53.33	3.65	1900710.16	545710.68	N 36 13 25.37	W 107 40 42.09
	1573.00	15.83	148.93	1561.03	-32.57	-117.54	61.09	1.93	1900696.58	545718.47	N 36 13 25.24	W 107 40 42.00
	1634.00	16.71	146.38	1619.59	-38.17	-131.97	70.24	1.86	1900682.17	545727.64	N 36 13 25.09	W 107 40 41.89
	1695.00	17.06	147.61	1677.96	-44.16	-146.83	79.89	0.82	1900667.33	545737.31	N 36 13 24.95	W 107 40 41.77
	1756.00	18.82	151.22	1736.00	-49.73	-163.01	89.42	3.41	1900651.16	545746.87	N 36 13 24.79	W 107 40 41.65
	1816.00	19.26	150.78	1792.71	-55.05	-180.13	98.91	0.77	1900634.06	545756.38	N 36 13 24.62	W 107 40 41.54
	1877.00	19.43	150.16	1850.27	-60.72	-197.71	108.87	0.44	1900616.49	545766.37	N 36 13 24.44	W 107 40 41.42
	1938.00	19.08	149.81	1907.86	-66.53	-215.13	118.93	0.60	1900599.09	545776.46	N 36 13 24.27	W 107 40 41.29
	1998.00	18.91	149.72	1964.59	-72.24	-232.00	128.77	0.29	1900582.24	545786.32	N 36 13 24.11	W 107 40 41.17
	2060.00	18.55	149.72	2023.31	-78.08	-249.19	138.81	0.58	1900565.06	545796.38	N 36 13 23.94	W 107 40 41.05
	2121.00	18.91	146.91	2081.08	-84.28	-265.85	149.10	1.59	1900548.42	545806.70	N 36 13 23.77	W 107 40 40.92
	2181.00	19.52	144.27	2137.74	-91.42	-282.14	160.26	1.77	1900532.16	545817.89	N 36 13 23.61	W 107 40 40.79
	2243.00	19.17	144.01	2196.23	-99.32	-298.78	172.29	0.58	1900515.53	545829.94	N 36 13 23.45	W 107 40 40.64
	2304.00	19.87	145.59	2253.73	-106.94	-315.44	184.03	1.44	1900498.89	545841.71	N 36 13 23.28	W 107 40 40.50
	2364.00	21.02	148.40	2309.95	-114.02	-333.02	195.43	2.52	1900481.34	545853.14	N 36 13 23.11	W 107 40 40.36
	2425.00	21.02	149.55	2366.89	-120.70	-351.77	206.71	0.68	1900462.61	545864.45	N 36 13 22.92	W 107 40 40.22
	2518.00	20.93	151.22	2453.73	-130.09	-380.71	223.16	0.65	1900433.70	545880.94	N 36 13 22.64	W 107 40 40.02
	2581.00	20.31	153.33	2512.69	-135.65	-400.34	233.49	1.54	1900414.08	545891.30	N 36 13 22.44	W 107 40 39.89
	2645.00	20.40	153.33	2572.70	-140.82	-420.23	243.48	0.14	1900394.21	545901.32	N 36 13 22.24	W 107 40 39.77
	2708.00	20.75	153.06	2631.68	-146.02	-439.99	253.46	0.58	1900374.46	545911.34	N 36 13 22.05	W 107 40 39.65
	2771.00	19.96	152.62	2690.74	-151.29	-459.49	263.47	1.28	1900354.98	545921.37	N 36 13 21.86	W 107 40 39.53
	2834.00	18.64	150.78	2750.20	-156.69	-477.83	273.33	2.31	1900336.66	545931.26	N 36 13 21.67	W 107 40 39.41
	2897.00	18.20	150.25	2809.98	-162.26	-495.16	283.12	0.75	1900319.35	545941.08	N 36 13 21.50	W 107 40 39.29
	2961.00	18.11	149.37	2870.79	-168.08	-512.39	293.15	0.45	1900302.13	545951.13	N 36 13 21.33	W 107 40 39.17
	3024.00	17.85	148.67	2930.71	-174.00	-529.07	303.16	0.54	1900285.48	545961.17	N 36 13 21.17	W 107 40 39.04
	3088.00	18.82	146.82	2991.46	-180.57	-546.08	313.91	1.77	1900268.48	545971.95	N 36 13 21.00	W 107 40 38.91
	3151.00	20.31	144.54	3050.82	-188.18	-563.50	325.82	2.66	1900251.09	545983.88	N 36 13 20.83	W 107 40 38.77
	3214.00	19.79	144.19	3110.01	-196.41	-581.05	336.40	0.85	1900233.55	545996.49	N 36 13 20.65	W 107 40 38.61
	3277.00	19.79	143.66	3169.29	-204.69	-598.29	350.96	0.28	1900216.33	546009.07	N 36 13 20.48	W 107 40 38.46
	3340.00	19.43	144.63	3228.63	-212.82	-615.43	363.34	0.77	1900199.22	546021.49	N 36 13 20.31	W 107 40 38.31
	3403.00	19.17	143.40	3288.09	-220.87	-632.27	375.58	0.77	1900182.39	546033.74	N 36 13 20.15	W 107 40 38.16
	3466.00	18.61	145.15	3347.52	-228.87	-649.26	387.79	1.16	1900165.43	546045.98	N 36 13 19.98	W 107 40 38.01
	3529.00	19.96	146.38	3406.80	-236.51	-666.89	399.78	0.86	1900147.82	546058.00	N 36 13 19.81	W 107 40 37.87
	3593.00	19.43	145.15	3467.06	-244.24	-684.72	411.91	1.05	1900130.01	546070.16	N 36 13 19.63	W 107 40 37.72
	3656.00	18.91	145.15	3526.56	-251.86	-701.69	423.73	0.83	1900113.05	546082.01	N 36 13 19.46	W 107 40 37.57
	3719.00	19.70	146.82	3586.02	-259.24	-718.96	435.38	1.53	1900095.81	546093.68	N 36 13 19.29	W 107 40 37.43
	3782.00	20.05	149.55	3645.27	-266.06	-737.16	446.66	1.57	1900077.63	546104.99	N 36 13 19.11	W 107 40 37.29
	3845.00	19.52	148.58	3704.55	-272.54	-755.45	457.62	0.99	1900059.36	546115.98	N 36 13 18.93	W 107 40 37.16
	3908.00	19.26	147.88	3763.98	-279.19	-773.23	468.63	0.55	1900041.59	546127.02	N 36 13 18.75	W 107 40 37.02
	3971.00	18.82	147.70	3823.53	-285.87	-790.62	479.59	0.70	1900024.22	546138.00	N 36 13 18.58	W 107 40 36.89
	4034.00	18.73	148.67	3883.18	-292.34	-807.85	490.28	0.52	1900007.01	546148.72	N 36 13 18.41	W 107 40 36.76
	4097.00	18.73	148.40	3942.84	-298.67	-825.11	500.84	0.14	1899989.78	546159.30	N 36 13 18.24	W 107 40 36.63
	4160.00	18.29	148.93	4002.58	-304.88	-842.19	511.24	0.75	1899972.71	546169.73	N 36 13 18.07	W 107 40 36.50
	4223.00	18.29	147.97	4062.40	-311.09	-859.04	521.58	0.48	1899955.88	546180.10	N 36 13 17.90	W 107 40 36.38
	4286.00	18.38	147.18	4122.20	-317.61	-875.76	532.21	0.42	1899939.17	546190.75	N 36 13 17.74	W 107 40 36.25
	4350.00	18.55	147.70	4182.91	-324.32	-892.85	543.12	0.37	1899922.11	546201.69	N 36 13 17.57	W 107 40 36.12
	4413.00	17.85	149.64	4242.75	-330.44	-909.65	553.35	1.47	1899905.32	546211.95	N 36 13 17.40	W 107 40 35.99
	4476.00	19.26	175.21	4302.58	-331.76	-928.37	559.11	13.00	1899886.62	546217.74	N 36 13 17.22	W 107 40 35.92
	4539.00	23.39	192.87	4361.31	-324.70	-950.94	557.17	12.10	1899868.04	546215.83	N 36 13 17.00	W 107 40 35.94
	4602.00	22.77	200.61	4419.28	-312.38	-974.55	550.07	4.85	1899840.43	546208.77	N 36 13 16.76	W 107 40 36.03
	4665.00	22.07	216.01	4477.57	-296.61	-995.55	538.81	9.36	1899819.41	546197.54	N 36 13 16.56	W 107 40 36.17
	4728.00	21.02	225.51	4536.19	-277.98	-1013.05	523.79	5.78	1899801.89	546182.55	N 36 13 16.38	W

Survey Data Table												
Comments	MD	Incl	Azim True	TVD	VSEC	NS	EW	DLS	Nothing	Easting	Latitude	Longitude
(ft)	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(1/100ft)	(ftUS)	(ftUS)	(N 36 13 15.71 W 107 40 38.14)	(E/W 107 40 38.14)
5107.00	40.89		249.14	4876.04	-120.29	-1080.58	37.67	12.63	1899734.13	546038.55	N 36 13 15.71 W 107 40 38.14	
5171.00	48.80		250.70	4921.38	-75.51	-1086.02	33.50	12.48	1899718.62	545994.21	N 36 13 15.56 W 107 40 38.65	
5234.00	55.13		255.64	4960.19	-26.04	-1110.28	287.83	11.79	1899704.29	545964.77	N 36 13 15.42 W 107 40 39.23	
5297.00	61.03		259.05	4993.50	27.40	-1121.94	235.68	10.43	1899692.55	545930.54	N 36 13 15.20 W 107 40 39.87	
5360.00	66.04		259.99	5021.56	83.71	-1132.18	180.24	8.06	1899682.21	545895.32	N 36 13 15.01 W 107 40 40.54	
5424.00	71.58		260.98	5044.69	143.23	-1142.03	121.41	8.78	1899672.27	545807.41	N 36 13 15.03 W 107 40 41.26	
5488.00	73.42		263.90	5063.94	203.96	-1150.06	69.91	5.22	1899664.15	545715.93	N 36 13 15.03 W 107 40 42.00	
5551.00	77.03		267.19	5080.00	264.14	-1154.77	0.20	7.64	1899659.34	545659.23	N 36 13 14.86 W 107 40 42.50	
5614.00	81.78		269.59	5091.59	324.78	-1156.50	-61.68	8.42	1899657.50	545597.36	N 36 13 14.86 W 107 40 43.50	
5666.00	84.59		270.55	5096.57	365.36	-1156.45	-100.38	8.42	1899657.50	545555.66	N 36 13 14.86 W 107 40 44.01	
5694.00	86.07		272.06	5099.02	402.06	-1155.20	-141.29	9.83	1899660.61	545517.76	N 36 13 15.00 W 107 40 44.47	
5740.00	92.15		273.88	5098.96	446.22	-1149.05	-181.21	9.83	1899660.61	545471.84	N 36 13 15.00 W 107 40 45.03	
5801.00	92.07		273.93	5096.96	504.47	-1145.05	-248.03	0.15	1899664.66	545411.02	N 36 13 15.08 W 107 40 45.77	
5862.00	92.24		273.49	5094.42	562.78	-1145.11	-308.86	0.77	1899668.51	545350.19	N 36 13 15.08 W 107 40 46.51	
5925.00	93.30		272.36	5091.37	623.09	-1141.42	-371.68	1.73	1899672.10	545287.10	N 36 13 15.11 W 107 40 47.28	
5988.00	93.30		272.36	5087.75	683.54	-1138.35	-434.50	1.38	1899675.07	545224.55	N 36 13 15.14 W 107 40 48.05	
6051.00	93.21		270.27	5081.08	744.41	-1138.91	-497.37	3.32	1899676.41	545161.67	N 36 13 15.16 W 107 40 48.81	
6114.00	92.42		269.40	5081.08	806.71	-1137.09	-560.30	1.86	1899676.13	545098.76	N 36 13 15.16 W 107 40 49.58	
6177.00	92.24		268.50	5078.51	867.19	-1138.02	-623.24	0.54	1899675.09	545036.82	N 36 13 15.15 W 107 40 50.35	
6240.00	92.77		268.29	5075.76	928.68	-1139.95	-686.17	1.04	1899672.86	544972.90	N 36 13 15.14 W 107 40 51.12	
6303.00	92.68		268.01	5072.77	990.14	-1139.02	-749.09	0.47	1899674.96	544909.98	N 36 13 15.13 W 107 40 51.89	
6366.00	93.03		268.06	5069.34	1051.63	-1141.01	-812.00	0.56	1899671.50	544846.08	N 36 13 15.12 W 107 40 52.65	
6429.00	92.59		268.88	5066.34	1113.12	-1143.08	-874.91	0.31	1899670.57	544784.16	N 36 13 15.11 W 107 40 53.42	
6493.00	92.68		268.44	5063.29	1173.55	-1144.76	-938.82	1.26	1899669.79	544720.27	N 36 13 15.10 W 107 40 54.20	
6556.00	91.89		268.39	5060.89	1238.50	-1143.08	-1001.77	1.26	1899668.93	544657.33	N 36 13 15.09 W 107 40 54.97	
6619.00	91.63		268.72	5058.75	1303.87	-1144.76	-1064.73	1.14	1899667.55	544591.47	N 36 13 15.08 W 107 40 55.74	
6682.00	91.71		268.04	5056.92	1369.07	-1145.99	-1121.65	0.82	1899666.30	544521.50	N 36 13 15.07 W 107 40 56.51	
6746.00	91.63		268.98	5053.41	1434.07	-1147.11	-1184.83	1.06	1899665.10	544451.53	N 36 13 15.06 W 107 40 57.28	
6809.00	91.36		268.61	5050.81	1504.42	-1147.88	-1247.61	1.36	1899661.50	544381.55	N 36 13 15.05 W 107 40 58.62	
6872.00	91.45		270.00	5048.17	1576.74	-1147.80	-1310.58	0.76	1899658.44	544312.59	N 36 13 15.05 W 107 40 59.98	
6935.00	91.45		270.49	5045.98	1650.67	-1146.79	-1373.56	1.36	1899656.44	544243.63	N 36 13 15.06 W 107 41 0.35	
6998.00	91.45		271.43	5043.99	1726.68	-1146.60	-1436.52	0.33	1899656.44	544174.67	N 36 13 15.07 W 107 41 1.13	
7061.00	90.48		269.60	5042.05	1803.74	-1146.60	-1499.50	1.71	1899656.44	544105.71	N 36 13 15.06 W 107 41 1.91	
7125.00	90.48		269.60	5040.99	1883.83	-1146.23	-1562.47	1.21	1899656.22	544036.69	N 36 13 15.08 W 107 41 3.07	
7189.00	91.71		269.60	5040.99	1964.93	-1147.15	-1625.43	2.09	1899654.25	543967.63	N 36 13 15.06 W 107 41 4.23	
7251.00	92.51		268.07	5042.95	2048.17	-1149.22	-1688.43	0.25	1899652.08	543898.64	N 36 13 15.02 W 107 41 4.99	
7315.00	92.59		268.21	5040.10	2133.66	-1149.22	-1751.34	0.25	1899650.39	543829.71	N 36 13 15.03 W 107 41 5.78	
7378.00	91.89		268.88	5037.64	2218.17	-1150.14	-1814.24	0.73	1899650.39	543760.94	N 36 13 15.03 W 107 41 6.54	
7442.00	91.89		270.35	5035.33	2303.17	-1150.14	-1877.24	0.73	1899651.22	543692.17	N 36 13 15.04 W 107 41 7.31	
7506.00	91.98		270.32	5033.40	2388.22	-1149.44	-1940.17	0.29	1899651.46	543623.40	N 36 13 15.03 W 107 41 8.09	
7569.00	91.98		270.60	5029.21	2473.28	-1148.54	-2003.13	0.56	1899651.85	543554.11	N 36 13 15.04 W 107 41 8.86	
7633.00	91.98		270.60	5026.98	2558.38	-1147.25	-2066.05	0.80	1899662.79	543485.16	N 36 13 15.05 W 107 41 9.64	
7696.00	92.07		270.15	5024.87	2643.47	-1147.80	-2129.05	0.71	1899663.42	543416.11	N 36 13 15.05 W 107 41 10.41	
7759.00	92.07		270.59	5022.45	2728.51	-1147.80	-2192.05	0.71	1899663.42	543347.16	N 36 13 15.06 W 107 41 11.19	
7822.00	91.98		270.17	5020.14	2813.56	-1146.97	-2255.01	0.63	1899663.42	543278.21	N 36 13 15.05 W 107 41 11.96	
7886.00	92.15		269.72	5017.53	2898.61	-1147.03	-2318.01	0.33	1899663.42	543209.26	N 36 13 15.05 W 107 41 12.73	
7949.00	92.42		269.39	5015.12	2983.66	-1147.03	-2381.01	0.68	1899663.42	543140.31	N 36 13 15.05 W 107 41 13.50	
8012.00	92.15		269.28	5012.75	3068.71	-1148.25	-2444.01	0.17	1899661.84	543071.36	N 36 13 15.04 W 107 41 14.28	
8075.00	92.07		269.28	5010.75	3153.76	-1148.25	-2507.01	0.32	1899661.84	543002.41	N 36 13 15.04 W 107 41 15.04	
8139.00	91.89		268.47	5009.99	3238.81	-1151.64	-2570.01	1.01	1899659.73	542933.46	N 36 13 15.01 W 107 41 15.81	
8202.00	91.98		268.33	5007.22	3323.86	-1151.64	-2633.01	2.49	1899657.75	542864.51	N 36 13 15.01 W 107 41 16.58	
8265.00	91.89		268.96	5004.01	3408.91	-1151.38	-2696.01	0.38	1899658.48	542795.56	N 36 13 15.02 W 107 41 17.35	
8328.00	91.63		270.52	5002.10	3493.96	-1150.74	-2759.01	0.33	1899658.48	542726.61	N 36 13 15.02 W 107 41 18.13	
8392.00	91.54		270.46	5000.36	3579.01	-1150.74	-2822.01	0.28	1899658.48	542657.66	N 36 13 15.02 W 107 41 18.91	
8455.00	91.54		270.22	4998.64	3664.06	-1150.74	-2885.01	0.16	1899658.48	542588.71	N 36 13 15.02 W 107 41 19.68	
8519.00	91.36		270.03	4996.92	3749.11	-1150.42	-2948.01	0.37	1899659.09	542519.76	N 36 13 15.02 W 107 41 20.46	
8582.00	91.54		270.43	4995.32	3834.16	-1150.42	-3011.01	0.33	1899659.09	542450.81	N 36 13 15.02 W 107 41 21.23	
8646.00	91.36		270.00	4993.78	3919.21	-1150.42	-3074.01	0.67	1899658.24	542381.86	N 36 13 15.02 W 107 41 22.00	
8709.00	92.42		269.95	4991.65	4004.26	-1150.42	-3137.01	0.67	1899658.24	542312.91	N 36 13 15.02 W 107 41 22.78	
8772.00	92.42		269.60	4989.33	4089.31	-1150.78	-3200.01	0.47	1899658.00	542243.96	N 36 13 15.02 W 107 41 23.53	
8836.00	92.33		270.01	4986.94	4174.36	-1150.78	-3263.01	0.67	1899658.00	542175.01	N 36 13 15.02 W 107 41 24.30	
8899.00	92.77		270.54	4984.53	4259.41	-1149.48	-3326.01	1.61	1899658.00	542106.06	N 36 13 15.03 W 107 41 25.07	
8962.00	92.77		271.55	4982.13	4344.46	-1149.48	-3389.01	1.61	1899658.00	542037.11	N 36 13 15.03 W 107 41 25.84	
9024.00	92.68		271.55	4980.78	4429.51	-1146.69	-3452.01	0.22	1899660.78	541968.16	N 36 13 15.08 W 107 41 26.62	
9088.00	92.59	</										