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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
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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"

CONFIDENTIAL

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31192		*Pool Code 42289	*Pool Name LYBROOK GALLUP
*Property Code 40069	*Property Name CHACO 2307-13L		*Well Number 175H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 7046'

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	13	23N	7W		1494	SOUTH	60	WEST	RIO ARriba

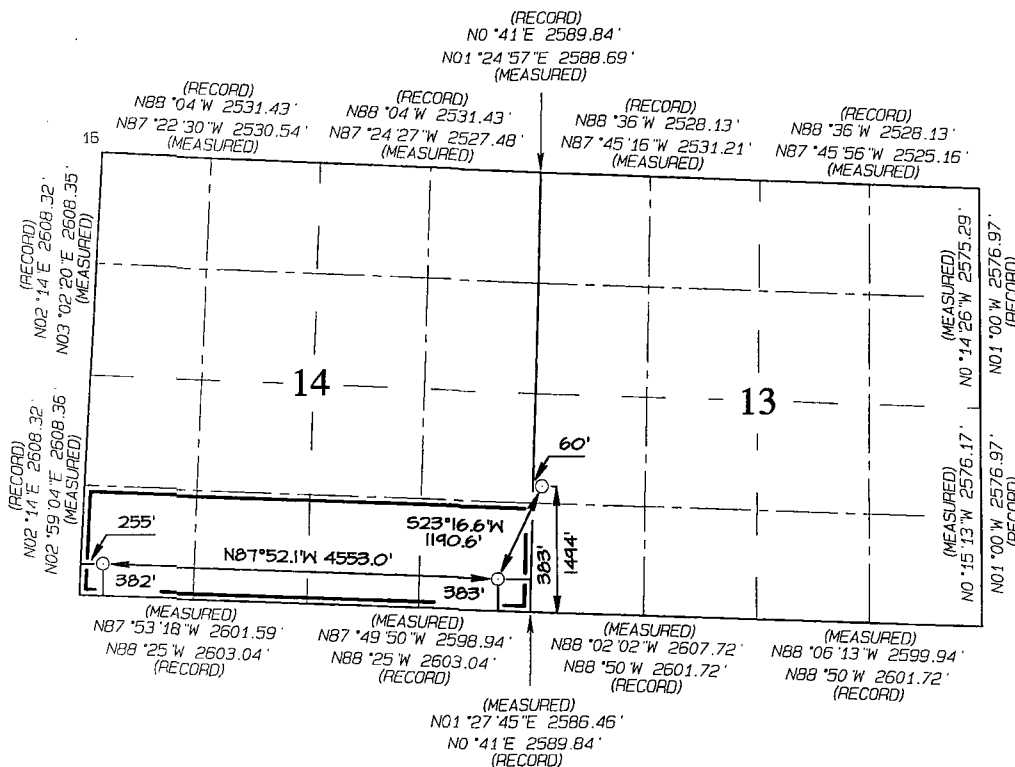
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	23N	7W		382	SOUTH	255	WEST	RIO ARriba

¹² Dedicated Acres 160.0 Acres S/2 S/2 - Section 14	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD OCT 16 '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



END-OF-LATERAL
382' FSL 255' FWL
SECTION 14, T23N, R7W
LAT: 36.21986°N
LONG: 107.55223°W
DATUM: NAD1927

LAT: 36.21987°N
LONG: 107.55284°W
DATUM: NAD1983

POINT-OF-ENTRY
383' FSL 383' FEL
SECTION 14, T23N, R7W
LAT: 36.21956°N
LONG: 107.53680°W
DATUM: NAD1927

LAT: 36.21958°N
LONG: 107.53741°W
DATUM: NAD1983

SURFACE LOCATION
1494' FSL 60' FWL
SECTION 13, T23N, R7W
LAT: 36.22258°N
LONG: 107.53526°W
DATUM: NAD1927

LAT: 36.22259°N
LONG: 107.53586°W
DATUM: NAD1983

W

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: *10/15/13*
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: **SEPT 23, 2013**
Date of Survey: **JULY 5, 2012**
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

CONFIDENTIAL

RCVD OCT 16 '13
OIL CONS. DIV.
DIST. 3



Chaco 2307-13L #175H MWD 0' to 10603' Definitive Survey Geodetic
Report
(Def Survey)



Report Date: September 20, 2013 - 02:03 PM
Client: WPX Energy
Field: NM Rio Arriba County NAD27
Structure / Slot: WPX Chaco 2307-13L #175H / Chaco 2307-13L #175H
Well: Chaco 2307-13L #175H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Chaco 2307-13L #175H MWD 0' to 10603' Definitive
Survey Date: September 03, 2013
Tort / AHD / DDI / ERD Ratio: 204.982 ° / 6279.083 ft / 6.391 / 1.131
Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
Location Lat / Long: N 36° 13' 21.28800", W 107° 32' 6.93600"
Location Grid N/E Y/X: N 1902741.874 ftUS, E 120895.046 ftUS
CRS Grid Convergence Angle: -0.7596 °
Grid Scale Factor: 1.00006446

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 258.860 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 7060.000 ft above MSL
Seabed / Ground Elevation: 7046.000 ft above MSL
Magnetic Declination: 9.505 °
Total Gravity Field Strength: 998.4799mgn (9.80665 Based)
Total Magnetic Field Strength: 50189.401 nT
Magnetic Dip Angle: 63.016 °
Declination Date: September 03, 2013
Magnetic Declination Model: BGM 2013
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North->True North: 9.5048 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	1902741.87	120895.05	N 36 13 21.29	W 107 32 6.94
Begin MWD Survey	473.00	4.04	71.87	472.61	-16.55	5.19	15.84	0.85	1902746.85	120910.96	N 36 13 21.34	W 107 32 6.74
	535.00	4.22	72.14	534.45	-20.98	6.57	20.09	0.29	1902748.17	120915.22	N 36 13 21.35	W 107 32 6.69
	596.00	4.22	76.88	595.28	-25.45	7.76	24.41	0.57	1902749.31	120919.56	N 36 13 21.36	W 107 32 6.64
	657.00	4.40	81.80	656.11	-30.03	8.61	28.91	0.67	1902750.10	120924.07	N 36 13 21.37	W 107 32 6.58
	717.00	4.66	89.01	715.92	-34.73	8.98	33.63	1.04	1902750.41	120928.79	N 36 13 21.38	W 107 32 6.53
	778.00	4.75	95.95	776.72	-39.58	8.76	38.62	0.94	1902750.12	120933.78	N 36 13 21.37	W 107 32 6.46
	839.00	4.57	101.23	837.52	-44.24	8.02	43.51	0.76	1902749.32	120938.66	N 36 13 21.37	W 107 32 6.40
	900.00	4.66	108.00	898.32	-48.65	6.78	48.25	0.90	1902748.02	120943.39	N 36 13 21.36	W 107 32 6.35
	961.00	5.01	137.18	959.11	-52.22	4.06	52.42	4.03	1902745.24	120947.52	N 36 13 21.33	W 107 32 6.30
	1022.00	5.80	154.67	1019.84	-54.37	-0.68	55.55	2.98	1902740.46	120950.59	N 36 13 21.28	W 107 32 6.26
	1082.00	6.68	169.08	1079.49	-55.10	-6.84	57.51	2.98	1902734.27	120952.46	N 36 13 21.22	W 107 32 6.23
	1143.00	8.09	178.83	1139.99	-54.35	-14.62	58.27	3.08	1902726.48	120953.12	N 36 13 21.14	W 107 32 6.22
	1204.00	10.55	183.58	1200.18	-52.18	-24.48	58.01	4.22	1902716.62	120952.73	N 36 13 21.05	W 107 32 6.23
	1264.00	12.57	185.87	1258.96	-48.88	-36.46	57.00	3.45	1902704.66	120951.56	N 36 13 20.93	W 107 32 6.24
	1325.00	13.81	186.13	1318.35	-44.77	-50.31	55.54	2.04	1902690.83	120949.92	N 36 13 20.79	W 107 32 6.26
	1386.00	15.04	183.85	1377.42	-40.57	-65.44	54.23	2.22	1902675.72	120948.41	N 36 13 20.64	W 107 32 6.27
	1446.00	17.32	181.82	1435.04	-36.55	-82.14	53.42	3.91	1902659.03	120947.38	N 36 13 20.48	W 107 32 6.28
	1507.00	20.14	181.21	1492.81	-32.26	-101.72	52.91	4.63	1902639.46	120946.61	N 36 13 20.28	W 107 32 6.29
	1568.00	20.58	180.15	1550.00	-27.92	-122.94	52.66	0.94	1902618.24	120946.08	N 36 13 20.07	W 107 32 6.29
	1628.00	20.84	179.63	1606.12	-23.86	-144.16	52.71	0.53	1902597.02	120945.84	N 36 13 19.86	W 107 32 6.29
	1689.00	20.31	179.54	1663.23	-19.87	-165.59	52.86	0.87	1902575.59	120945.71	N 36 13 19.65	W 107 32 6.29
	1753.00	19.26	180.24	1723.45	-15.73	-187.25	52.91	1.68	1902553.92	120945.47	N 36 13 19.44	W 107 32 6.29
	1816.00	18.91	180.24	1782.99	-11.67	-207.85	52.82	0.56	1902533.33	120945.11	N 36 13 19.23	W 107 32 6.29
	1879.00	18.91	179.19	1842.59	-7.82	-228.27	52.92	0.54	1902512.91	120944.94	N 36 13 19.03	W 107 32 6.29
	1942.00	18.99	178.48	1902.17	-4.28	-248.72	53.34	0.39	1902492.45	120945.08	N 36 13 18.83	W 107 32 6.29
	2005.00	18.55	178.40	1961.82	-0.90	-268.99	53.89	0.70	1902472.18	120945.37	N 36 13 18.63	W 107 32 6.28
	2069.00	19.35	180.07	2022.35	2.85	-289.77	54.16	1.51	1902451.40	120945.36	N 36 13 18.42	W 107 32 6.28
	2132.00	19.87	179.63	2081.70	6.88	-310.91	54.22	0.86	1902430.25	120945.14	N 36 13 18.21	W 107 32 6.27
	2195.00	19.35	179.71	2141.04	10.84	-332.05	54.34	0.83	1902409.11	120944.98	N 36 13 18.00	W 107 32 6.27
	2258.00	19.43	178.92	2200.47	14.64	-352.97	54.59	0.44	1902388.19	120944.95	N 36 13 17.80	W 107 32 6.27
	2289.00	19.17	178.31	2229.73	16.37	-363.21	54.84	1.06	1902377.95	120945.07	N 36 13 17.70	W 107 32 6.27
	2352.00	18.99	178.75	2289.27	19.83	-383.80	55.36	0.37	1902357.35	120945.32	N 36 13 17.49	W 107 32 6.26
	2415.00	18.47	178.40	2348.93	23.25	-404.02	55.87	0.84	1902337.12	120945.56	N 36 13 17.29	W 107 32 6.25
	2478.00	19.17	178.04	2408.56	26.55	-424.33	56.50	1.13	1902316.80	120945.92	N 36 13 17.09	W 107 32 6.25
	2541.00	19.70	178.31	2467.97	29.94	-445.29	57.17	0.85	1902295.84	120946.31	N 36 13 16.88	W 107 32 6.24
	2604.00	19.61	177.34	2527.30	33.25	-466.46	57.97	0.54	1902274.66	120946.83	N 36 13 16.68	W 107 32 6.23
	2667.00	19.43	177.34	2586.68	36.35	-487.49	58.95	0.29	1902253.62	120947.53	N 36 13 16.47	W 107 32 6.22
	2731.00	19.26	176.02	2647.07	39.24	-508.65	60.17	0.73	1902232.44	120948.47	N 36 13 16.26	W 107 32 6.20
	2794.00	18.82	174.35	2706.62	41.50	-529.13	61.90	1.11	1902211.94	120949.93	N 36 13 16.06	W 107 32 6.18
	2857.00	18.64	176.90	2766.29	43.88	-549.30	63.44	1.33	1902191.75	120951.20	N 36 13 15.86	W 107 32 6.16
	2920.00	18.55	178.57	2826.00	46.98	-569.37	64.23	0.86	1902171.87	120951.73	N 36 13 15.66	W 107 32 6.15
	2983.00	19.52	180.33	2885.55	50.76	-589.91	64.42	1.79	1902151.12	120951.65	N 36 13 15.45	W 107 32 6.15
	3046.00	20.22	181.12	2944.80	55.17	-611.32	64.15	1.19	1902129.72	120951.09	N 36 13 15.24	W 107 32 6.15
	3110.00	20.22	180.15	3004.86	59.68	-633.44	63.91	0.52	1902107.60	120950.55	N 36 13 15.02	W 107 32 6.16
	3173.00	20.22	179.80	3063.98	63.88	-655.21	63.92	0.19	1902085.83	120950.27	N 36 13 14.81	W 107 32 6.16
	3237.00	19.52	179.63	3124.16	67.98	-676.97	64.02	1.10	1902064.08	120950.09	N 36 13 14.59	W 107 32 6.15
	3300.00	19.26	179.45	3183.59	71.85	-697.88	64.19	0.42	1902043.16	120949.98	N 36 13 14.39	W 107 32 6.15
	3364.00	18.82	178.40	3244.09	75.51	-718.76	64.58	0.87	1902022.28	120950.10	N 36 13 14.18	W 107 32 6.15
	3428.00	18.55	177.60	3304.72	78.76	-739.25	65.29	0.58	1902001.78	120950.54	N 36 13 13.98	W 107 32 6.14
	3491.00	18.91	177.87	3364.38	81.88	-759.46	66.09	0.59	1901981.56	120951.07	N 36 13 13.78	W 107 32 6.13
	3555.00	18.91	177.69	3424.93	85.10	-780.19	66.90	0.09	1901960.82	120951.60	N 36 13 13.57	W 107 32 6.12
	3618.00	18.64	177.25	3484.57	88.14	-800.44	67.79	0.48	1901940.55	120952.22	N 36 13 13.37	W 107 32 6.11
	3681.00	18.38	176.29	3544.31	90.89	-820.41	68.92	0.64	1901920.57	120953.09	N 36 13 13.18	W 107 32 6.09
	3745.00	19.17	177.78	3604.91	93.82	-840.98	69.98	1.44	1901899.99	120953.87	N 36 13 12.97	W 107 32 6.08
	3808.00	19.43	177.34	3664.37	96.97	-861.78	70.86	0.47	1901879.17	120954.48	N 36 13 12.77	W 107 32 6.07
	3871.00	19.43	176.46	3723.78	99.90	-882.71	72.00	0.46	1901858.23	120955.34	N 36 13 12.56	W 107 32 6.06
	3935.00	19.35	175.58	3784.15	102.55	-903.91	73.47	0.47	1901837.02	120956.53	N 36 13 12.35	W 107 32 6.04
	3998.00	19.52	174.53	3843.56	104.81	-924.79	75.28	0.62	1901816.11	120958.05	N 36 13 12.14	W 107 32 6.02
	4062.00	19.70	173.47	3903.85	106.74	-946.15	77.53	0.62	1901794.72	120960.03	N 36 13 11.93	W 107 32 5.99
	4125.00	18.73	177.08	3963.34	109.04	-966.80	79.25	2.43	1901774.05	120961.48	N 36 13 11.73	W 107 32 5.97
	4189.00	17.59	177.87	4024.15	112.02	-986.73	80.13	1.82	1901754.11	120962.09	N 36 13 11.53	W 107 32 5.96
	4252.00	15.74	178.66	4084.50	114.97	-1004.79	80.69	2.96	1901736.04	120962.41	N 36 13 11.35	W 107 32 5.95
	4316.00	14.16	178.13	4146.34	117.71	-1021.29	81.14	2.48	1901719.53	120962.85	N 36 13 11.19	W 107 32 5.95
	4379.00	12.66	175.85	4207.62	119.79	-1035.88	81.89	2.52	1901704.94	120963.21	N 36 13 11.04	W 107 32 5.94
	4443.00	11.17	173.12	4270.24	121.10	-1049.03	83.15	2.49	1901691.77	120964.28	N 36 13 10.91	W 107 32 5.92
	4506.00	11.26	171.89	4332.03	121.88	-1061.18	84.74	0.41	1901679.60	120965.72	N 36 13 10.79	W 107 32 5.90
	4569.00	10.90	174.00	4393.86	122.74	-1073.19	86.23	0.86	1901667.57	120967.05	N 36 13 10.68	W 107 32 5.88
	4633.00	10.02	178.40	4456.80	124.20	-1084.77	87.02	1.86	1901655.97	120967.68	N 36 13 10.56	W 107 32 5.87
	4696.00	8.62	182.70	4518.96	126.24	-1094.97	88.95	2.48	1901645.78	120967.48	N 36 13 10.46	W 107 32 5.87
	4760.00	7.30	181.47	4582.35	128.28	-1103.82	86.62	2.08	1901636.93	120967.03	N 36 13 10.37	W 107 32 5.88
	4823.00	5.63	178.66	4644.94	129.68	-1110.92	86.59	2.70	1901629.84	120966.91	N 36 13 10.30	W 107

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 ° ' ")
6049 LP	5226.00	1.58	289.49	5047.60	132.60	-1120.76	85.55	5.13	1901620.01	120965.74	N 36 13 10.20 W	107 32 5.89
	5289.00	8.18	277.89	5110.34	137.59	-1119.85	80.29	10.54	1901620.99	120960.49	N 36 13 10.21 W	107 32 5.96
	5353.00	15.12	277.54	5172.98	149.81	-1118.13	67.49	10.84	1901622.88	120947.71	N 36 13 10.23 W	107 32 6.11
	5416.00	22.25	274.02	5232.62	169.13	-1116.21	47.42	11.45	1901625.06	120927.67	N 36 13 10.25 W	107 32 6.36
	5480.00	29.19	273.85	5290.25	195.94	-1114.31	19.73	10.84	1901627.33	120900.00	N 36 13 10.27 W	107 32 6.70
	5543.00	35.96	274.81	5343.30	228.60	-1111.73	-14.07	10.78	1901630.36	120866.24	N 36 13 10.29 W	107 32 7.11
	5607.00	43.70	273.41	5392.42	268.13	-1108.83	-54.93	12.17	1901633.80	120825.42	N 36 13 10.32 W	107 32 7.61
	5670.00	51.18	272.53	5435.00	313.10	-1106.45	-101.24	11.92	1901636.79	120779.14	N 36 13 10.35 W	107 32 8.17
	5734.00	59.09	272.00	5471.55	364.15	-1104.39	-153.67	12.38	1901639.55	120726.74	N 36 13 10.37 W	107 32 8.81
	5798.00	66.30	272.26	5500.89	419.46	-1102.27	-210.46	11.27	1901642.42	120669.98	N 36 13 10.39 W	107 32 9.50
	5860.00	72.19	271.65	5522.85	475.91	-1100.30	-268.38	9.54	1901645.16	120612.09	N 36 13 10.41 W	107 32 10.21
	5923.00	79.40	270.86	5538.30	535.52	-1098.97	-329.40	11.51	1901647.30	120551.09	N 36 13 10.42 W	107 32 10.96
	5987.00	84.94	269.89	5547.02	597.62	-1098.56	-392.77	8.79	1901648.55	120487.72	N 36 13 10.42 W	107 32 11.73
	6049.00	88.14	269.73	5550.76	658.37	-1098.76	-454.65	5.17	1901649.17	120425.84	N 36 13 10.42 W	107 32 12.48
	6096.00	90.57	269.61	5551.29	704.53	-1099.03	-501.64	5.17	1901649.52	120378.85	N 36 13 10.42 W	107 32 13.06
	6126.00	90.40	270.01	5551.03	733.99	-1099.13	-531.64	1.45	1901649.82	120348.85	N 36 13 10.42 W	107 32 13.42
	6190.00	90.31	270.37	5550.64	796.74	-1098.92	-595.64	0.58	1901650.88	120284.85	N 36 13 10.42 W	107 32 14.20
	6253.00	90.75	271.25	5550.06	858.37	-1098.03	-658.63	1.56	1901652.60	120221.86	N 36 13 10.43 W	107 32 14.97
	6317.00	90.57	270.90	5549.32	920.91	-1098.03	-722.61	0.61	1901654.65	120157.91	N 36 13 10.44 W	107 32 15.75
	6381.00	90.92	270.84	5548.49	983.51	-1095.86	-786.60	0.55	1901656.47	120093.94	N 36 13 10.45 W	107 32 16.54
	6444.00	90.31	270.48	5547.81	1045.17	-1095.13	-849.59	1.12	1901658.03	120030.96	N 36 13 10.46 W	107 32 17.30
	6508.00	89.96	269.88	5547.66	1107.93	-1094.93	-913.59	1.09	1901659.08	119966.96	N 36 13 10.46 W	107 32 18.09
	6571.00	91.28	270.39	5546.98	1169.71	-1094.78	-976.59	2.25	1901660.07	119903.97	N 36 13 10.46 W	107 32 18.85
	6635.00	90.57	269.31	5545.94	1232.52	-1094.95	-1040.58	2.02	1901660.75	119839.98	N 36 13 10.46 W	107 32 19.63
	6698.00	90.84	269.51	5545.17	1294.45	-1095.60	-1103.57	0.53	1901660.93	119776.98	N 36 13 10.45 W	107 32 20.40
	6762.00	91.01	269.34	5544.14	1357.36	-1096.24	-1167.56	0.38	1901661.14	119712.98	N 36 13 10.45 W	107 32 21.18
	6825.00	91.89	270.10	5542.54	1419.21	-1096.55	-1230.54	1.85	1901661.67	119650.00	N 36 13 10.44 W	107 32 21.95
	6889.00	90.31	271.15	5541.31	1481.85	-1095.85	-1294.52	2.96	1901663.21	119586.03	N 36 13 10.45 W	107 32 22.73
	6952.00	90.92	271.73	5540.64	1543.34	-1094.27	-1357.49	1.34	1901665.63	119523.08	N 36 13 10.47 W	107 32 23.50
	7015.00	91.01	271.70	5539.58	1604.75	-1092.38	-1420.46	0.15	1901668.35	119460.14	N 36 13 10.49 W	107 32 24.27
	7079.00	90.66	271.66	5538.64	1667.15	-1090.51	-1484.42	0.55	1901671.07	119396.21	N 36 13 10.50 W	107 32 25.05
	7142.00	90.57	271.82	5537.97	1728.56	-1088.60	-1547.39	0.29	1901673.82	119333.26	N 36 13 10.52 W	107 32 25.82
	7206.00	90.40	271.61	5537.42	1790.95	-1086.68	-1611.36	0.42	1901676.58	119269.32	N 36 13 10.54 W	107 32 26.60
	7269.00	91.01	271.80	5536.65	1852.37	-1084.81	-1674.32	1.01	1901679.29	119206.38	N 36 13 10.56 W	107 32 27.37
	7333.00	90.66	272.05	5535.72	1914.71	-1082.66	-1738.28	0.67	1901682.29	119142.46	N 36 13 10.58 W	107 32 28.15
	7396.00	90.40	271.83	5535.13	1976.07	-1080.52	-1801.24	0.54	1901685.26	119078.52	N 36 13 10.60 W	107 32 28.92
	7460.00	90.75	272.04	5534.49	2038.41	-1078.36	-1865.20	0.64	1901688.27	119015.59	N 36 13 10.62 W	107 32 29.70
	7523.00	90.66	272.16	5533.72	2099.73	-1076.05	-1928.16	0.24	1901691.41	118952.67	N 36 13 10.65 W	107 32 30.47
	7587.00	90.66	271.40	5532.98	2162.10	-1074.07	-1989.12	1.19	1901694.25	118888.74	N 36 13 10.67 W	107 32 31.25
	7650.00	90.92	270.39	5532.11	2223.71	-1073.08	-2055.11	1.66	1901696.07	118825.77	N 36 13 10.68 W	107 32 32.02
	7714.00	90.66	269.52	5531.23	2286.51	-1073.13	-2119.10	1.42	1901696.86	118761.77	N 36 13 10.68 W	107 32 32.80
	7777.00	91.30	270.76	5530.15	2348.28	-1072.98	-2182.09	2.21	1901697.85	118698.79	N 36 13 10.68 W	107 32 33.57
	7841.00	91.36	271.11	5528.67	2410.85	-1071.93	-2246.06	0.55	1901699.74	118634.83	N 36 13 10.69 W	107 32 34.35
	7905.00	91.54	271.33	5527.05	2473.34	-1070.57	-2310.03	0.44	1901701.95	118570.88	N 36 13 10.70 W	107 32 35.13
	7968.00	90.57	272.42	5525.89	2534.71	-1068.51	-2372.98	2.32	1901704.85	118507.96	N 36 13 10.72 W	107 32 35.89
	8032.00	90.75	272.16	5525.15	2596.96	-1065.95	-2436.93	0.49	1901708.25	118444.05	N 36 13 10.75 W	107 32 36.68
	8095.00	90.40	271.98	5524.52	2658.29	-1063.68	-2499.88	0.62	1901711.36	118381.13	N 36 13 10.77 W	107 32 37.44
	8159.00	90.57	272.54	5523.97	2720.54	-1061.16	-2563.83	0.91	1901714.74	118317.21	N 36 13 10.79 W	107 32 38.22
	8222.00	90.40	272.20	5523.44	2781.80	-1058.55	-2626.77	0.60	1901718.18	118254.31	N 36 13 10.82 W	107 32 38.99
	8286.00	91.36	271.95	5522.46	2844.10	-1056.23	-2690.72	1.55	1901721.34	118190.39	N 36 13 10.84 W	107 32 39.77
	8349.00	91.36	272.25	5520.96	2905.40	-1053.93	-2753.66	0.48	1901724.48	118127.48	N 36 13 10.86 W	107 32 40.54
	8412.00	91.28	272.37	5519.51	2966.66	-1051.39	-2816.59	0.23	1901727.86	118064.59	N 36 13 10.89 W	107 32 41.31
	8476.00	91.19	272.28	5518.13	3028.89	-1048.79	-2880.53	0.20	1901731.30	118000.69	N 36 13 10.92 W	107 32 42.09
	8603.00	91.36	272.83	5515.31	3152.24	-1043.13	-3007.37	0.45	1901738.64	117873.93	N 36 13 10.97 W	107 32 43.64
	8666.00	91.10	273.40	5513.95	3213.29	-1039.71	-3070.26	0.99	1901742.90	117811.08	N 36 13 11.00 W	107 32 44.40
	8730.00	90.66	272.28	5512.97	3275.39	-1036.54	-3134.17	1.88	1901746.91	117747.21	N 36 13 11.04 W	107 32 45.18
	8793.00	90.31	271.84	5512.44	3336.72	-1034.27	-3197.13	0.89	1901750.01	117684.29	N 36 13 11.06 W	107 32 45.95
	8857.00	90.04	272.18	5512.24	3399.04	-1032.03	-3261.09	0.68	1901753.11	117620.36	N 36 13 11.08 W	107 32 46.73
	8920.00	91.19	273.28	5511.57	3460.20	-1029.03	-3324.01	2.53	1901756.94	117557.48	N 36 13 11.11 W	107 32 47.50
	8984.00	91.80	273.11	5509.90	3522.18	-1025.46	-3387.89	0.99	1901761.35	117493.65	N 36 13 11.15 W	107 32 48.28
	9047.00	92.42	271.95	5507.58	3583.36	-1022.68	-3450.79	2.09	1901764.97	117430.79	N 36 13 11.17 W	107 32 49.05
	9111.00	92.15	271.80	5505.03	3645.66	-1020.59	-3514.70	0.48	1901767.91	117366.90	N 36 13 11.19 W	107 32 49.83
	9175.00	91.63	271.42	5502.91	3708.05	-1018.79	-3578.64	1.01	1901770.55	117302.99	N 36 13 11.21 W	107 32 50.61
	9302.00	90.22	271.01	5500.86	3832.09	-1016.10	-3705.59	1.16	1901774.93	117176.08	N 36 13 11.24 W	107 32 52.16
	9366.00	90.40	270.60	5500.52	3894.70	-1015.20	-3769.58	0.70	1901776.67	117112.10	N 36 13 11.25 W	107 32 52.94
	9429.00	90.92	269.88	5499.79	3956.46	-1014.94	-3832.58	1.41	1901777.77	117049.11	N 36 13 11.25 W	107 32 53.71
	9493.00	90.13	269.42	5499.21	4019.32	-1015.33	-3896.57	1.43	1901778.23	116985.11	N 36 13 11.24 W	107 32 54.49
	9556.00	91.54	271.17	5498.29	4081.06	-1015.00	-3959.56	3.57	1901779.39	116922.13	N 36 13 11.25 W	107 32 55.26
	9619.00	92.24	271.56	5496.2								

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