

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-043-21149
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator WPX Energy Production, LLC		6. State Oil & Gas Lease No. V09209
3. Address of Operator P. O. Box 640, Aztec, NM 87410 (505) 333-1808		7. Lease Name or Unit Agreement Name Chaco 2206-02H
4. Well Location Unit Letter <u>H</u> : <u>1666'</u> feet from the <u>N</u> line and <u>278'</u> feet from the <u>E</u> line Section <u>2</u> Township <u>22N</u> Range <u>6W</u> NMPM County <u>Sandoval</u>		8. Well Number <u>#225H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6949' GR		9. OGRID Number 120782
10. Pool name or Wildcat Lybrook Gallup		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☒ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ OTHER: ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: ☐	
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RCVD JUL 16 '13
OIL CONS. DIV.
DIST. 3

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

WPX plans to extend the lateral on this well to maximize the producing interval as per attached directional plan. The plug back TD of this well will be the float collar which will be one joint up from landing depth. Although this horizontal well will be drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 B(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 B(2) NMAC, 19.15.16.15 B(2) NMAC, and 19.15.16.15. B(4) NMAC.

Hold C104

for Directional Survey
and "As Drilled" plat

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Larry Higgins TITLE Permit Suprv DATE 7/16/13
 Type or print name Larry Higgins E-mail address: larry.higgins@wpxenergy.com PHONE: (505) 333-1808
 For State Use Only
 APPROVED BY: Charles TITLE SUPERVISOR DISTRICT #3 DATE JUL 23 2013
 Conditions of Approval (if any): N

Hold C104

for Directional Survey
and "As Drilled" plat

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1625 N. French Drive, Hobbs, NM 88240
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District IV
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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

RCVD JUL 16 '13

OIL CONS. DIV.

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-043-21149	*Pool Code 42289	*Pool Name Lybrook Gallup
*Property Code 39908	*Property Name CHACO 2206-02H	*Well Number 225H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6949'

¹⁰ Surface Location

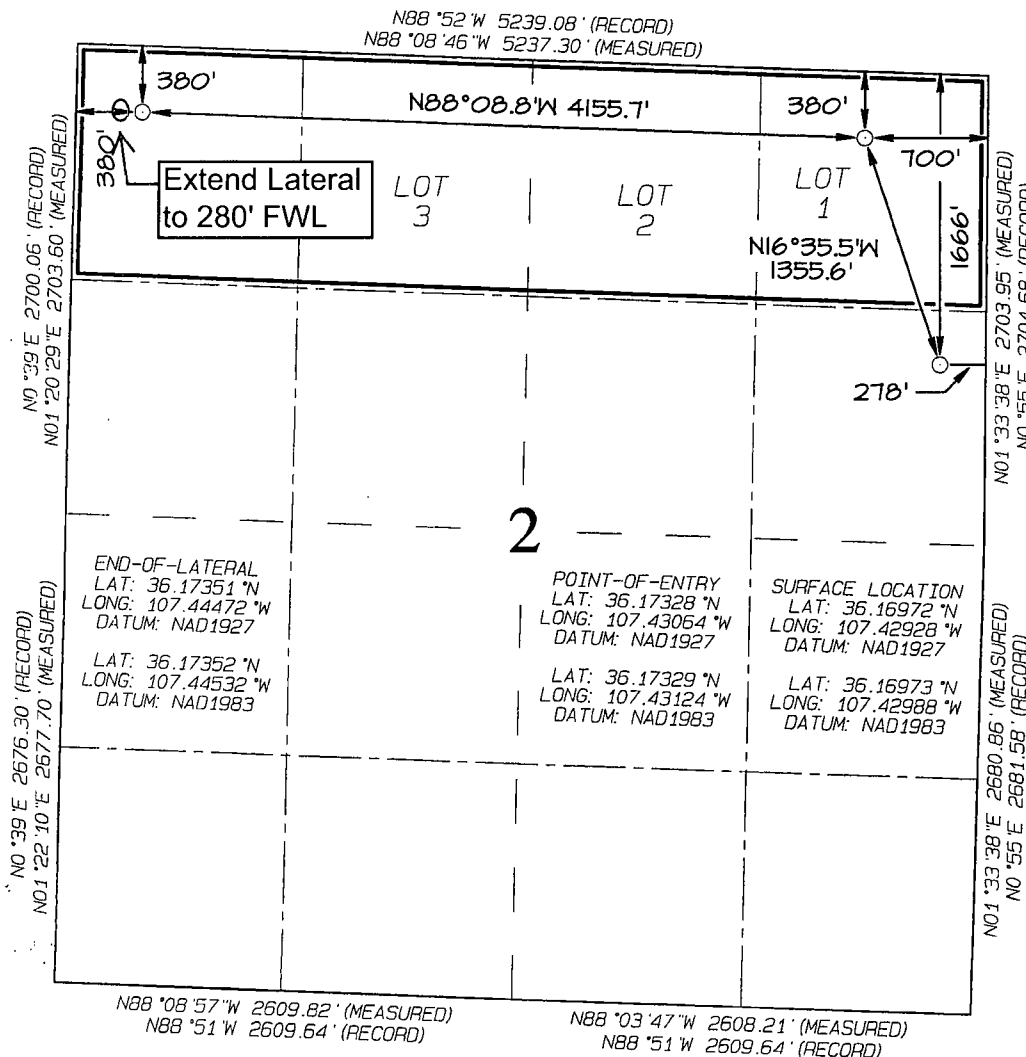
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	2	22N	6W		1666	NORTH	278	EAST	SANDOVAL

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
D	2	22N	6W	4	380	NORTH	380	WEST	SANDOVAL

¹² Dedicated Acres 162.80 Acres - (N/2 N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 280
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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



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: 7/16/13

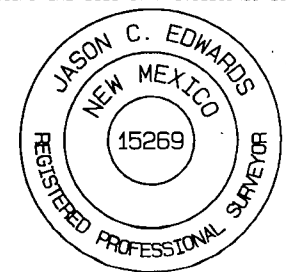
Printed Name: Larry Higgins

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.

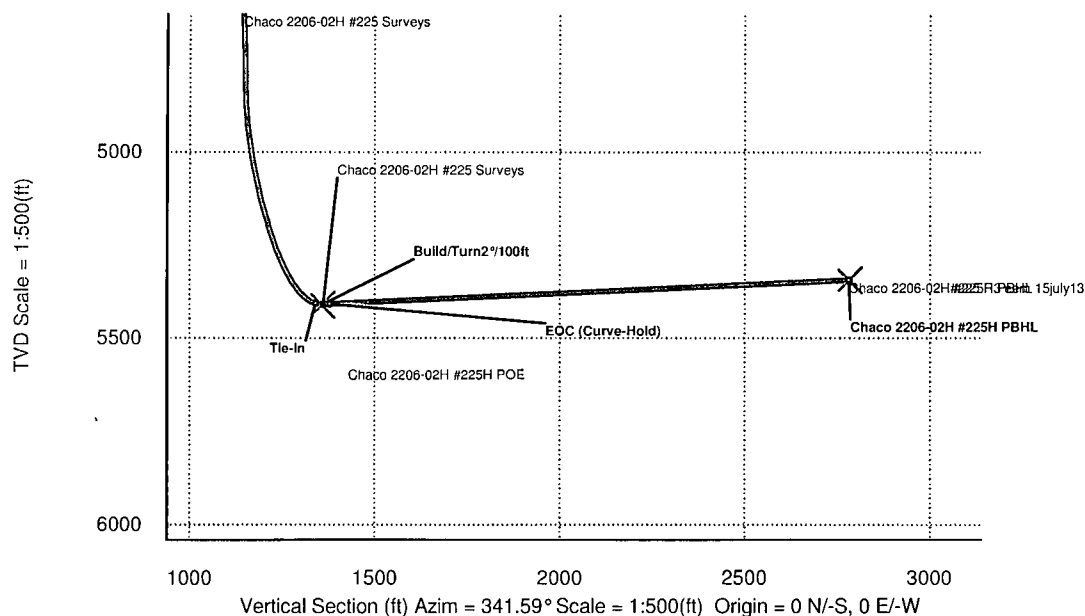
Date Revised: MAY 10, 2013
Date of Survey: JUNE 8, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Chaco 2206-02H#225 R3 eem 15July13 Proposal Geodetic Report

(Def Plan)

Report Date: July 15, 2013 - 12:21 PM
 Client: WPX Energy
 Field: NM Sandoval County NAD27
 Structure / Slot: WPX Chaco 2206-02H #225H / Chaco 2206-02H #225H
 Well: Chaco 2206-02H #225H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Chaco 2206-02H#225 R3 eem 15July13
 Survey Date: July 15, 2013
 Tort / AHD / DDI / ERD Ratio: 162.775 * / 6138.137 ft / 6.276 / 1.135
 Coordinate Reference System: NAD27 New Mexico State Plane, Central Zone, US Feet
 Location Lat / Long: N 36° 10' 10.99200", W 107° 25' 45.40800"
 Location Grid N/E Y/X: N 1883101.986 ftUS, E 151922.771 ftUS
 CRS Grid Convergence Angle: -0.6961 *
 Grid Scale Factor: 1.00003865

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 341.594 * (True North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 6963.000 ft above MSL
 Seabed / Ground Elevation: 6949.000 ft above MSL
 Magnetic Declination: 9.470 *
 Total Gravity Field Strength: 998.4846mgm (9.80665 Based)
 Total Magnetic Field Strength: 50189.978 nT
 Magnetic Dip Angle: 62.993 *
 Declination Date: July 15, 2013
 Magnetic Declination Model: BGM 2013
 North Reference: True North
 Grid Convergence Used: 0.0000 *
 Total Corr Mag North->True North: 9.4698 *
 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	1883101.99	151922.77	N 36 10 10.99	W 107 25 45.41
Marker MudLine	14.00	0.03	203.62	14.00	0.00	0.00	0.00	0.25	1883101.98	151922.77	N 36 10 10.99	W 107 25 45.41
	100.00	0.25	203.62	100.00	-0.16	-0.20	-0.09	0.25	1883101.79	151922.68	N 36 10 10.99	W 107 25 45.41
	200.00	0.49	203.62	200.00	-0.64	-0.78	-0.34	0.25	1883101.21	151922.42	N 36 10 10.98	W 107 25 45.41
	300.00	0.74	203.62	299.99	-1.43	-1.76	-0.77	0.25	1883100.23	151921.98	N 36 10 10.97	W 107 25 45.42
	400.00	0.98	203.62	399.98	-2.54	-3.14	-1.37	0.25	1883098.87	151921.36	N 36 10 10.96	W 107 25 45.42
	465.00	1.14	203.62	464.97	-3.44	-4.24	-1.85	0.25	1883097.77	151920.87	N 36 10 10.95	W 107 25 45.43
	500.00	0.83	213.64	499.96	-3.85	-4.77	-2.13	1.01	1883097.24	151920.58	N 36 10 10.94	W 107 25 45.43
	528.00	0.62	228.46	527.96	-4.04	-5.04	-2.36	1.01	1883096.98	151920.35	N 36 10 10.94	W 107 25 45.44
	589.00	1.14	340.09	588.96	-3.56	-4.69	-2.81	2.43	1883097.33	151919.90	N 36 10 10.95	W 107 25 45.44
	600.00	1.51	345.85	599.95	-3.31	-4.44	-2.89	3.56	1883097.58	151919.83	N 36 10 10.95	W 107 25 45.44
	650.00	3.25	355.05	649.91	-1.27	-2.39	-3.17	3.56	1883099.63	151919.57	N 36 10 10.97	W 107 25 45.45
	700.00	5.16	2.41	699.77	2.21	1.27	-3.20	3.97	1883103.29	151919.59	N 36 10 11.00	W 107 25 45.45
	712.00	5.63	3.43	711.72	3.26	2.39	-3.14	3.97	1883104.42	151919.66	N 36 10 11.02	W 107 25 45.45
	773.00	6.68	4.38	772.37	9.31	8.92	-2.69	1.73	1883110.94	151920.19	N 36 10 11.08	W 107 25 45.44
	800.00	6.99	5.00	799.18	12.27	12.12	-2.43	1.19	1883114.14	151920.49	N 36 10 11.11	W 107 25 45.44
	834.00	7.39	5.71	832.91	16.16	16.36	-2.03	1.19	1883118.37	151920.94	N 36 10 11.15	W 107 25 45.43
	895.00	8.18	5.13	893.35	23.72	24.59	-1.25	1.30	1883126.59	151921.82	N 36 10 11.24	W 107 25 45.42
	900.00	8.24	5.26	898.29	24.38	25.30	-1.18	1.35	1883127.30	151921.89	N 36 10 11.24	W 107 25 45.42
	956.00	8.97	6.62	953.66	32.01	33.63	-0.31	1.35	1883135.62	151922.87	N 36 10 11.32	W 107 25 45.41
	1000.00	9.60	7.89	997.09	38.41	40.67	0.59	1.51	1883142.65	151923.85	N 36 10 11.39	W 107 25 45.40
	1017.00	9.85	8.34	1013.84	40.98	43.52	0.99	1.51	1883145.49	151924.29	N 36 10 11.42	W 107 25 45.40
	1079.00	10.55	10.48	1074.86	50.68	54.35	2.79	1.28	1883156.30	151926.23	N 36 10 11.53	W 107 25 45.37
	1100.00	10.79	10.82	1095.50	54.08	58.17	3.51	1.20	1883160.11	151926.99	N 36 10 11.57	W 107 25 45.37
	1140.00	11.26	11.43	1134.76	60.74	65.68	4.99	1.20	1883167.60	151928.56	N 36 10 11.64	W 107 25 45.35
	1200.00	11.95	11.34	1193.53	71.21	77.51	7.37	1.15	1883179.40	151931.08	N 36 10 11.76	W 107 25 45.32
	1201.00	11.96	11.34	1194.51	71.39	77.71	7.41	1.15	1883179.60	151931.13	N 36 10 11.76	W 107 25 45.32
	1262.00	12.75	11.55	1254.10	82.71	90.50	10.00	1.30	1883192.36	151933.87	N 36 10 11.89	W 107 25 45.29
	1300.00	13.61	11.35	1291.10	90.23	99.00	11.72	2.28	1883200.84	151935.70	N 36 10 11.97	W 107 25 45.27
	1324.00	14.16	11.23	1314.39	95.23	104.64	12.85	2.28	1883206.47	151936.89	N 36 10 12.03	W 107 25 45.25
	1385.00	15.74	10.24	1373.33	108.98	120.11	15.77	2.62	1883221.90	151940.00	N 36 10 12.18	W 107 25 45.22
	1400.00	16.24	9.54	1387.75	112.62	124.18	16.48	3.58	1883225.96	151940.76	N 36 10 12.22	W 107 25 45.21
	1445.00	17.76	7.69	1430.78	124.34	137.19	18.45	3.58	1883238.94	151942.88	N 36 10 12.35	W 107 25 45.18
	1500.00	19.01	6.11	1482.97	140.03	154.41	20.52	2.45	1883256.14	151945.17	N 36 10 12.52	W 107 25 45.16
	1507.00	19.17	5.92	1489.59	142.11	156.68	20.76	2.45	1883258.41	151945.44	N 36 10 12.54	W 107 25 45.15
	1568.00	20.22	7.07	1547.02	180.75	177.11	23.09	1.83	1883278.81	151948.01	N 36 10 12.74	W 107 25 45.13
	1600.00	20.91	7.17	1576.98	170.90	188.26	24.49	2.17	1883289.94	151949.54	N 36 10 12.85	W 107 25 45.11
	1629.00	21.54	7.26	1604.01	180.37	198.68	25.80	2.17	1883300.34	151950.99	N 36 10 12.96	W 107 25 45.09
	1680.00	20.84	5.90	1680.89	200.35	220.58	28.33	1.40	1883322.21	151953.78	N 36 10 13.17	W 107 25 45.06
	1700.00	20.92	6.21	1670.23	203.59	224.12	28.71	1.38	1883325.75	151954.20	N 36 10 13.21	W 107 25 45.06
	1754.00	21.37	7.87	1720.59	221.18	243.45	31.10	1.38	1883345.05	151956.83	N 36 10 13.40	W 107 25 45.03
	1800.00	22.27	8.85	1763.30	236.44	260.37	33.59	2.11	1883361.94	151959.52	N 36 10 13.57	W 107 25 45.00
	1817.00	22.60	9.20	1779.01	242.20	266.77	34.61	2.11	1883368.33	151960.62	N 36 10 13.63	W 107 25 44.99
	1881.00	22.25	9.25	1838.17	263.83	290.87	38.52	0.55	1883392.38	151964.83	N 36 10 13.87	W 107 25 44.94
	1900.00	22.22	9.28	1855.76	270.20	297.97	39.68	0.16	1883399.46	151966.07	N 36 10 13.94	W 107 25 44.92
	1944.00	22.16	9.36	1896.50	284.91	314.37	42.37	0.16	1883415.83	151968.96	N 36 10 14.10	W 107 25 44.89
	2000.00	23.16	9.22	1948.18	304.01	335.66	45.85	1.78	1883437.08	151972.70	N 36 10 14.31	W 107 25 44.85
	2008.00	23.30	9.20	1955.53	306.81	338.77	46.36	1.78	1883440.18	151973.24	N 36 10 14.34	W 107 25 44.84
	2071.00	22.86	9.09	2013.49	328.70	363.16	50.28	0.70	1883464.52	151977.47	N 36 10 14.58	W 107 25 44.79
	2100.00	22.50	8.93	2040.24	338.63	374.20	52.04	1.27	1883475.54	151979.35	N 36 10 14.69	W 107 25 44.77
	2134.00	22.07	8.73	2071.70	350.09	386.94	54.01	1.27	1883488.25	151981.48	N 36 10 14.82	W 107 25 44.75
	2165.00	21.98	8.65	2100.44	360.44	398.43	55.77	0.31	1883499.73	151983.38	N 36 10 14.93	W 107 25 44.73
	2200.00	22.13	8.83	2132.88	372.13	411.42	57.77	0.46	1883512.69	151985.54	N 36 10 15.06	W 107 25 44.70
	2229.00	22.25	8.98	2159.73	381.86	422.24	59.46	0.46	1883523.49	151987.36	N 36 10 15.17	W 107 25 44.68
	2292.00	21.46	8.71	2218.21	402.71	445.41	63.07	1.26	1883546.62	151991.25	N 36 10 15.40	W 107 25 44.64
	2300.00	21.51	8.56	2225.65	405.32	448.31	63.51	0.96	1883549.51	151991.73	N 36 10 15.43	W 107 25 44.63
	2356.00	21.90	7.55	2277.68	423.86	468.82	66.41	0.96	1883569.98	151994.88	N 36 10 15.63	W 107 25 44.60
	2400.00	22.63	7.32	2318.40	438.87	485.35	68.57	1.68	1883586.49	151997.23	N 36 10 15.79	W 107 25 44.57
	2419.00	22.95	7.22	2335.91	445.50	492.65	69.50	1.68	1883593.77	151998.25	N 36 10 15.86	W 107 25 44.56
	2483.00	23.30	6.88	2394.77	468.20	517.60	72.58	0.59	1883618.66	152001.64	N 36 10 16.11	W 107 25 44.52
	2500.00	23.14	6.70	2410.39	474.26	524.25	73.38	1.06	1883625.33	152002.51	N 36 10 16.18	W 107 25 44.51
	2546.00	22.69	6.20	2452.76	490.51	542.05	75.39	1.06	1883643.10	152004.74	N 36 10 16.35	W 107 25 44.49
	2600.00	22.17	6.44	2502.68	509.23	562.52	77.66	0.98	1883663.55	152007.26	N 36 10 16.55	W 107 25 44.46
	2610.00	22.07	6.48	2511.94	512.64	568.27	78.08	0.98	1883667.28	152007.73	N 36 10 16.59	W 107 25 44.46
	2673.00	22.42	7.93	2570.26	534.15	589.92	81.07	1.03	1883690.90	152011.01	N 36 10 16.83	W 107 25 44.42

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 ° ' ")
	2700.00	22.16	7.83	2595.24	543.33	600.07	82.48	0.98	1883701.03	152012.53	N 36 10 16.93	W 107 25 44.40
	2736.00	21.81	7.69	2628.62	555.42	613.42	84.30	0.98	1883714.36	152014.52	N 36 10 17.06	W 107 25 44.38
	2800.00	21.54	8.78	2688.10	576.55	636.82	87.68	0.76	1883737.71	152018.18	N 36 10 17.29	W 107 25 44.34
	2863.00	21.81	11.39	2746.64	597.00	659.72	91.76	1.59	1883760.57	152022.54	N 36 10 17.52	W 107 25 44.29
	2900.00	21.71	11.12	2781.01	608.91	673.17	94.43	0.39	1883773.98	152025.38	N 36 10 17.65	W 107 25 44.26
	2927.00	21.63	10.92	2806.10	617.60	682.96	96.34	0.39	1883783.75	152027.40	N 36 10 17.75	W 107 25 44.23
	2990.00	21.63	10.44	2864.66	637.89	705.78	100.64	0.28	1883806.51	152031.98	N 36 10 17.97	W 107 25 44.18
	3000.00	21.67	10.34	2873.96	641.12	709.40	101.31	0.57	1883810.13	152032.69	N 36 10 18.01	W 107 25 44.17
	3053.00	21.90	9.79	2923.17	658.42	728.77	104.74	0.57	1883829.46	152036.37	N 36 10 18.20	W 107 25 44.13
	3100.00	21.44	8.96	2966.85	673.77	745.90	107.57	1.17	1883846.55	152039.40	N 36 10 18.37	W 107 25 44.10
	3117.00	21.28	8.65	2982.68	679.28	752.02	108.52	1.17	1883852.66	152040.42	N 36 10 18.43	W 107 25 44.08
	3180.00	21.90	6.73	3041.26	700.10	774.89	111.62	1.49	1883875.59	152043.80	N 36 10 18.66	W 107 25 44.05
	3200.00	22.15	6.90	3059.80	706.88	782.43	112.51	1.27	1883883.02	152044.78	N 36 10 18.73	W 107 25 44.04
	3244.00	22.69	7.26	3100.48	722.03	799.09	114.58	1.27	1883899.65	152047.05	N 36 10 18.89	W 107 25 44.01
	3300.00	23.62	8.39	3151.96	741.78	820.90	117.58	1.84	1883921.43	152050.32	N 36 10 19.11	W 107 25 43.97
	3307.00	23.74	8.52	3158.37	744.29	823.68	117.99	1.84	1883924.20	152050.76	N 36 10 19.14	W 107 25 43.97
	3371.00	23.30	7.89	3217.06	767.12	848.96	121.64	0.79	1883949.44	152054.72	N 36 10 19.39	W 107 25 43.92
	3400.00	23.06	7.82	3243.72	777.36	860.27	123.20	0.83	1883960.73	152056.41	N 36 10 19.50	W 107 25 43.91
	3435.00	22.77	7.73	3275.95	789.59	873.77	125.04	0.83	1883974.20	152058.42	N 36 10 19.63	W 107 25 43.88
	3499.00	22.07	7.62	3335.12	811.51	897.96	128.30	1.10	1883998.35	152061.98	N 36 10 19.87	W 107 25 43.84
	3500.00	22.09	7.64	3336.04	811.85	898.33	128.35	1.97	1883998.73	152062.03	N 36 10 19.88	W 107 25 43.84
	3562.00	23.21	8.91	3393.26	833.18	921.96	131.79	1.97	1884022.31	152065.76	N 36 10 20.11	W 107 25 43.80
	3600.00	22.85	8.67	3428.23	846.40	936.65	134.06	0.99	1884036.97	152068.21	N 36 10 20.25	W 107 25 43.77
	3626.00	22.60	8.50	3452.21	855.35	946.58	135.56	0.99	1884046.88	152069.83	N 36 10 20.35	W 107 25 43.75
	3689.00	22.34	8.18	3510.43	876.85	970.40	139.06	0.46	1884070.66	152073.61	N 36 10 20.59	W 107 25 43.71
	3700.00	22.49	8.17	3520.60	880.60	974.55	139.65	1.36	1884074.81	152074.26	N 36 10 20.63	W 107 25 43.70
	3753.00	23.21	8.10	3569.44	899.02	994.93	142.56	1.36	1884095.15	152077.42	N 36 10 20.83	W 107 25 43.67
	3800.00	23.08	7.71	3612.66	915.58	1013.23	145.11	0.42	1884113.41	152080.18	N 36 10 21.01	W 107 25 43.64
	3817.00	23.04	7.57	3628.30	921.56	1019.83	145.99	0.42	1884120.00	152081.15	N 36 10 21.08	W 107 25 43.63
	3880.00	22.95	6.98	3686.29	943.74	1044.24	149.11	0.39	1884144.38	152084.56	N 36 10 21.32	W 107 25 43.59
	3900.00	22.46	7.22	3704.74	950.71	1051.90	150.06	2.52	1884152.02	152085.61	N 36 10 21.39	W 107 25 43.58
	3944.00	21.37	7.80	3745.56	965.48	1068.18	152.21	2.52	1884168.28	152087.95	N 36 10 21.56	W 107 25 43.55
	4000.00	20.67	8.08	3797.84	983.47	1088.07	154.98	1.27	1884188.14	152090.96	N 36 10 21.75	W 107 25 43.52
	4007.00	20.58	8.12	3804.39	985.68	1090.51	155.33	1.27	1884190.57	152091.34	N 36 10 21.78	W 107 25 43.51
	4071.00	18.91	7.76	3864.62	1005.05	1111.93	158.32	2.62	1884211.95	152094.59	N 36 10 21.99	W 107 25 43.48
	4100.00	18.79	7.28	3892.07	1013.48	1121.21	159.54	0.68	1884221.22	152095.93	N 36 10 22.08	W 107 25 43.46
	4134.00	18.64	6.72	3924.27	1023.33	1132.04	160.87	0.68	1884232.03	152097.39	N 36 10 22.19	W 107 25 43.45
	4198.00	16.80	7.21	3985.23	1040.93	1151.38	163.23	2.88	1884251.34	152099.98	N 36 10 22.38	W 107 25 43.42
	4200.00	16.72	7.21	3987.15	1041.45	1151.95	163.30	3.78	1884251.91	152100.06	N 36 10 22.38	W 107 25 43.42
	4261.00	14.42	7.14	4045.90	1056.22	1166.19	165.35	3.78	1884268.13	152102.31	N 36 10 22.54	W 107 25 43.39
	4300.00	14.21	6.45	4083.69	1064.95	1177.77	166.49	0.70	1884277.69	152103.56	N 36 10 22.64	W 107 25 43.38
	4325.00	14.07	5.99	4107.94	1070.50	1183.84	167.15	0.70	1884283.75	152104.30	N 36 10 22.70	W 107 25 43.37
	4388.00	12.31	6.36	4169.27	1083.57	1198.13	168.70	2.80	1884298.02	152106.02	N 36 10 22.84	W 107 25 43.35
	4400.00	12.34	6.34	4181.00	1085.90	1200.68	168.98	0.28	1884300.57	152106.33	N 36 10 22.87	W 107 25 43.35
	4452.00	12.49	6.28	4231.78	1096.05	1211.79	170.21	0.28	1884311.66	152107.69	N 36 10 22.98	W 107 25 43.33
	4500.00	11.55	7.75	4278.73	1105.08	1221.71	171.42	2.06	1884321.57	152109.03	N 36 10 23.07	W 107 25 43.32
	4515.00	11.26	8.26	4293.43	1107.74	1224.65	171.84	2.06	1884324.50	152109.48	N 36 10 23.10	W 107 25 43.31
	4578.00	9.85	9.44	4355.36	1118.00	1236.05	173.60	2.26	1884335.88	152111.39	N 36 10 23.22	W 107 25 43.29
	4600.00	9.31	10.00	4377.06	1121.23	1239.66	174.22	2.51	1884339.48	152112.05	N 36 10 23.25	W 107 25 43.28
	4642.00	8.27	11.27	4418.56	1126.84	1245.97	175.40	2.51	1884345.78	152113.30	N 36 10 23.31	W 107 25 43.27
	4700.00	6.65	13.22	4476.07	1133.33	1253.33	176.99	2.83	1884353.12	152114.98	N 36 10 23.39	W 107 25 43.25
	4705.00	6.51	13.43	4481.04	1133.81	1253.89	177.12	2.83	1884353.67	152115.11	N 36 10 23.39	W 107 25 43.25
	4769.00	5.01	12.32	4544.71	1139.30	1260.14	178.56	2.35	1884359.91	152116.63	N 36 10 23.45	W 107 25 43.23
	4800.00	4.20	11.53	4575.61	1141.45	1262.58	179.07	2.62	1884362.34	152117.18	N 36 10 23.48	W 107 25 43.22
	4833.00	3.34	10.28	4608.54	1143.34	1264.71	179.49	2.62	1884364.47	152117.61	N 36 10 23.50	W 107 25 43.22
	4896.00	2.99	8.90	4671.44	1146.41	1268.14	180.07	0.57	1884367.89	152118.24	N 36 10 23.53	W 107 25 43.21
	4900.00	2.91	9.00	4675.44	1146.59	1268.34	180.10	2.07	1884368.09	152118.27	N 36 10 23.53	W 107 25 43.21
	4960.00	1.67	11.55	4735.39	1148.70	1270.70	180.51	2.07	1884370.45	152118.71	N 36 10 23.56	W 107 25 43.21
	5000.00	1.18	22.07	4775.38	1149.52	1271.66	180.78	1.38	1884371.40	152119.00	N 36 10 23.57	W 107 25 43.20
	5011.00	1.06	26.61	4786.37	1149.68	1271.85	180.87	1.38	1884371.59	152119.09	N 36 10 23.57	W 107 25 43.20
	5053.00	0.79	359.45	4828.37	1150.23	1272.49	181.04	1.21	1884372.23	152119.27	N 36 10 23.58	W 107 25 43.20
	5100.00	5.86	283.21	4875.28	1151.79	1273.36	178.70	12.17	1884373.13	152116.94	N 36 10 23.58	W 107 25 43.23
	5117.00	7.91	281.19	4892.16	1152.83	1273.79	176.71	12.17	1884373.58	152114.95	N 36 10 23.59	W 107 25 43.25
	5180.00	15.04	280.15	4953.86	1158.88	1276.07	164.40	11.32	1884376.01	152102.67	N 36 10 23.81	W 107 25 43.40
	5200.00	17.02	279.57	4973.08	1161.49	1277.01	158.96	9.92	1884377.02	152097.24	N 36 10 23.62	W 107 25 43.47
	5244.00	21.37	278.65	5014.63	1168.16	1279.29	144.68	9.92	1884379.47	152082.98	N 36 10 23.64	W 107 25 43.64
	5300.00	24.88	277.11	5066.12	1177.88	1282.29	122.89	6.36	1884382.73	152081.24	N 36 10 23.67	W 107 25 43.91
	5307.00	25.32	276.95	5072.46	1179.16	1282.65	119.95	6.36	1884383.13	152058.29	N 36 10 23.68	W 107 25 43.95
	5371.00	32.01	275.62	5128.58	1191.94	1285.97	89.44	10.50	1884386.82	152027.84	N 36 10 23.71	W 107 25 44.32
	5400.00	34.27	275.59	5152.86	1198.39	1287.52	73.67	7.81	1884388.56	152012.08	N 36 10 23.72	W 107 25 44.51
	5434.00	36.93	275.55	5180.51	1206.43	1289.44	53.97	7.81	1884390.72	151992.40	N 36 10 23.74	W 107 25 44.75
	5498.00	42.82	272.52	5229.61	1222.02	1292.26	13.06	9.69	1884394.04	151951.53	N 36 10 23.77	W 107 25 45.25
	5500.00	43.04	272.51	5231.07	1222.51	1292.32	11.70	10.89	1884394.11	151950.17	N 36 10 23.77	W 107 25 45.27
	5561.00	49.68	272.32	5273.15	1238.19	1294.17	-32.38	10.89	1884396.50	151908.12	N 36 10 23.79	W 107 25 45.80
	5600.00	53.80	270.93	5297.29	1248.67	1295.03	-62.98	10.93	1884397.73	151875.52	N 36 10 23.80	W 107 25 46.18
	5625.00	56.45	270.12	5311.58	1255.32	1295.22	-83.49	10.93	1884398.17	151855.02	N 36 10 23.80	W 107 25 46.43

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 ° ' ")
	6400.00	90.87	271.20	5402.97	1498.72	1300.07	-839.78	0.00	1884412.21	151098.81	N 36 10 23.85	W 107 25 55.65
	6500.00	90.87	271.20	5401.45	1532.28	1302.17	-939.75	0.00	1884415.52	150998.88	N 36 10 23.87	W 107 25 58.87
	6600.00	90.87	271.20	5399.93	1565.83	1304.26	-1039.72	0.00	1884418.83	150898.94	N 36 10 23.89	W 107 25 58.09
	6700.00	90.87	271.20	5398.41	1599.38	1306.36	-1139.68	0.00	1884422.14	150799.00	N 36 10 23.91	W 107 25 59.31
	6800.00	90.87	271.20	5396.89	1632.93	1308.45	-1239.65	0.00	1884425.45	150699.06	N 36 10 23.93	W 107 26 0.53
	6900.00	90.87	271.20	5395.38	1666.49	1310.55	-1339.62	0.00	1884428.76	150599.13	N 36 10 23.95	W 107 26 1.75
	7000.00	90.87	271.20	5393.86	1700.04	1312.64	-1439.58	0.00	1884432.07	150499.19	N 36 10 23.97	W 107 26 2.97
	7100.00	90.87	271.20	5392.34	1733.59	1314.74	-1539.55	0.00	1884435.38	150399.25	N 36 10 23.99	W 107 26 4.18
	7200.00	90.87	271.20	5390.82	1767.14	1316.83	-1639.52	0.00	1884438.69	150299.31	N 36 10 24.01	W 107 26 5.40
	7300.00	90.87	271.20	5389.30	1800.69	1318.93	-1739.48	0.00	1884442.00	150199.38	N 36 10 24.03	W 107 26 6.62
	7400.00	90.87	271.20	5387.79	1834.25	1321.02	-1839.45	0.00	1884445.30	150099.44	N 36 10 24.06	W 107 26 7.84
	7500.00	90.87	271.20	5386.27	1867.80	1323.12	-1939.42	0.00	1884448.61	149999.50	N 36 10 24.08	W 107 26 9.06
	7600.00	90.87	271.20	5384.75	1901.35	1325.21	-2039.38	0.00	1884451.92	149899.56	N 36 10 24.10	W 107 26 10.28
	7700.00	90.87	271.20	5383.23	1934.90	1327.31	-2139.35	0.00	1884455.23	149799.63	N 36 10 24.12	W 107 26 11.50
	7800.00	90.87	271.20	5381.72	1968.46	1329.40	-2239.32	0.00	1884458.54	149699.69	N 36 10 24.14	W 107 26 12.72
	7900.00	90.87	271.20	5380.20	2002.01	1331.50	-2339.28	0.00	1884461.85	149599.75	N 36 10 24.16	W 107 26 13.94
	8000.00	90.87	271.20	5378.68	2035.56	1333.59	-2439.25	0.00	1884465.16	149499.81	N 36 10 24.18	W 107 26 15.16
	8100.00	90.87	271.20	5377.16	2069.11	1335.69	-2539.21	0.00	1884468.47	149399.88	N 36 10 24.20	W 107 26 16.38
	8200.00	90.87	271.20	5375.64	2102.67	1337.78	-2639.18	0.00	1884471.78	149299.94	N 36 10 24.22	W 107 26 17.60
	8300.00	90.87	271.20	5374.13	2136.22	1339.88	-2739.15	0.00	1884475.09	149200.00	N 36 10 24.24	W 107 26 18.82
	8400.00	90.87	271.20	5372.61	2169.77	1341.97	-2839.11	0.00	1884478.40	149100.07	N 36 10 24.26	W 107 26 20.03
	8500.00	90.87	271.20	5371.09	2203.32	1344.07	-2939.08	0.00	1884481.71	149000.13	N 36 10 24.28	W 107 26 21.25
	8600.00	90.87	271.20	5369.57	2236.87	1346.16	-3039.05	0.00	1884485.02	148900.19	N 36 10 24.30	W 107 26 22.47
	8700.00	90.87	271.20	5368.06	2270.43	1348.26	-3139.01	0.00	1884488.33	148800.25	N 36 10 24.32	W 107 26 23.69
	8800.00	90.87	271.20	5366.54	2303.98	1350.35	-3238.98	0.00	1884491.64	148700.32	N 36 10 24.34	W 107 26 24.91
	8900.00	90.87	271.20	5365.02	2337.53	1352.45	-3338.95	0.00	1884494.95	148600.38	N 36 10 24.36	W 107 26 26.13
	9000.00	90.87	271.20	5363.50	2371.08	1354.54	-3438.91	0.00	1884498.26	148500.44	N 36 10 24.39	W 107 26 27.35
	9100.00	90.87	271.20	5361.98	2404.64	1356.64	-3538.88	0.00	1884501.58	148400.50	N 36 10 24.41	W 107 26 28.57
	9200.00	90.87	271.20	5360.47	2438.19	1358.73	-3638.85	0.00	1884504.87	148300.57	N 36 10 24.43	W 107 26 29.79
	9300.00	90.87	271.20	5358.95	2471.74	1360.83	-3738.81	0.00	1884508.18	148200.63	N 36 10 24.45	W 107 26 31.01
	9400.00	90.87	271.20	5357.43	2505.29	1362.92	-3838.78	0.00	1884511.49	148100.69	N 36 10 24.47	W 107 26 32.23
	9500.00	90.87	271.20	5355.91	2538.85	1365.02	-3938.75	0.00	1884514.80	148000.75	N 36 10 24.49	W 107 26 33.45
	9600.00	90.87	271.20	5354.39	2572.40	1367.11	-4038.71	0.00	1884518.11	147900.82	N 36 10 24.51	W 107 26 34.67
	9700.00	90.87	271.20	5352.88	2605.95	1369.21	-4138.68	0.00	1884521.42	147800.88	N 36 10 24.53	W 107 26 35.88
	9800.00	90.87	271.20	5351.36	2639.50	1371.30	-4238.65	0.00	1884524.73	147700.94	N 36 10 24.55	W 107 26 37.10
	9900.00	90.87	271.20	5349.84	2673.06	1373.40	-4338.61	0.00	1884528.04	147601.00	N 36 10 24.57	W 107 26 38.32
	10000.00	90.87	271.20	5348.32	2706.61	1375.49	-4438.58	0.00	1884531.35	147501.07	N 36 10 24.59	W 107 26 39.54
	10100.00	90.87	271.20	5346.81	2740.16	1377.59	-4538.55	0.00	1884534.66	147401.13	N 36 10 24.61	W 107 26 40.76
	10200.00	90.87	271.20	5345.29	2773.71	1379.68	-4638.51	0.00	1884537.97	147301.19	N 36 10 24.63	W 107 26 41.98
Chaco 2206-02H #225H PBHL	10218.93	90.87	271.20	5345.00	2780.06	1380.08	-4657.44	0.00	1884538.59	147282.27	N 36 10 24.64	W 107 26 42.21

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	14.000	Act Sins	30.000	30.000	SLB_MWD-STD-Depth Only	Original Borehole / Chaco 2206-02H #225 Surveys
	14.000	465.000	1/98.425	30.000	30.000	SLB_MWD-STD	Original Borehole / Chaco 2206-02H #225 Surveys
	465.000	5925.000	Act Sins	30.000	30.000	SLB_MWD-STD	Original Borehole / Chaco 2206-02H #225 Surveys
	5925.000	10218.931	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Chaco 2206-02H#225 R3 eem 15Julv13