

JASON C. EDWARDS
Certificate Number 15269

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

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Submit one copy to
Appropriate District Office

☒ AMENDED REPORT

AS DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number'	'Pool Code'	'Pool Name'
30-045-35625	98101	LYBROOK UNIT NW HZ (OIL)
'Property Code'	'Property Name'	'Well Number'
313874	NW LYBROOK UT	132H
'OGRID No.'	'Operator Name'	'Elevation'
120782	WPX ENERGY PRODUCTION, LLC	6871'

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
F	36	24N	8W		1910	NORTH	1569	WEST	SAN JUAN

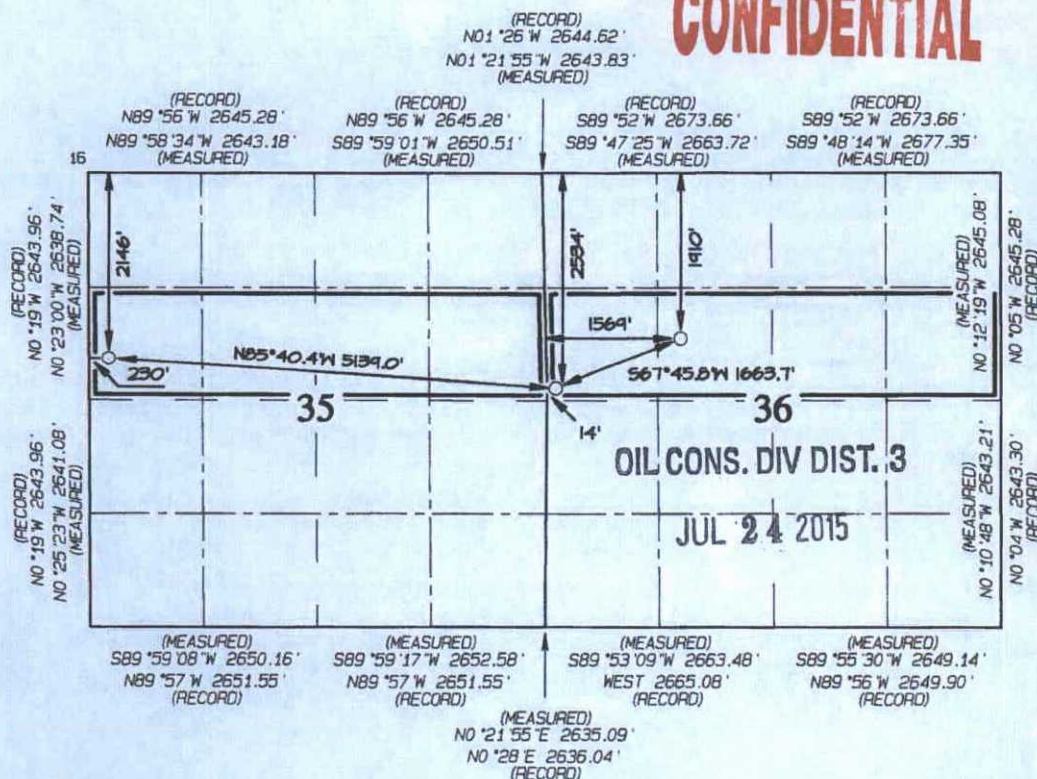
¹¹ Bottom Hole Location If Different From Surface

U.L. or lot no. E	Section 35	Township 24N	Range 21E	Lot Idn	Feet from the	North/South line NORTH	Feet from the	East/West line WEST	County SAN JUAN
DENIED						¹⁴ Consolidation Code	¹⁵ Order No. R-13921		
						¹² Dedicated Acres 320.0			

DENIED

IS COMPLETION UNTIL ALL INTERESTS HAVE
UNIT HAS BEEN APPROVED BY THE DIVISION

CONFIDENTIAL



END-OF-LATERAL
2146' FNL 230' FWL
SECTION 35, T24N, R8W
LAT: 36.272149°N
LONG: 107.658914°W
DATUM: NAD1927

LAT: 36.272162°N
LONG: 107.659524°W
DATUM: NAD1983

RSI TOOL
2148' FNL 330' FWL
SECTION 35, T24N, R8W
LAT: 36.272143°N
LONG: 107.658575°W
DATUM: NAD1927

LAT: 36.272156°N
LONG: 107.659185°W
DATUM: NAD1983

POINT-OF-ENTRY
2534' FNL 14' FWL
SECTION 36, T24N, R8W
LAT: 36.271057°N
LONG: 107.641533°W
DATUM: NAD1927

LAT: 36.271070°N
LONG: 107.642142°W
DATUM: NAD1983

SURFACE LOCATION
1910' FNL 1569' FNL
SECTION 36, T24N, R8W
LAT: 36.272779°N
LONG: 107.636304°W
DATUM: NAD1927

LAT: 36.272791°N
LONG: 107.636914°W
DATUM: NAD1983

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 mineral interest, or has entered into an agreement or a compulsory pooling order heretofore entered by the Division.

Signature Marie E. Jaramillo Date 1/16/17
 Printed Name Marie E. Jaramillo
 E-mail Address marie.jaramillo@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: JUNE 29, 2015
Date of Survey: MARCH 29, 2013

Signature and Seal of Professional Surveyor

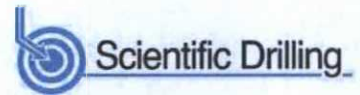


JASON C. EDWARDS

Certificate Number 15269

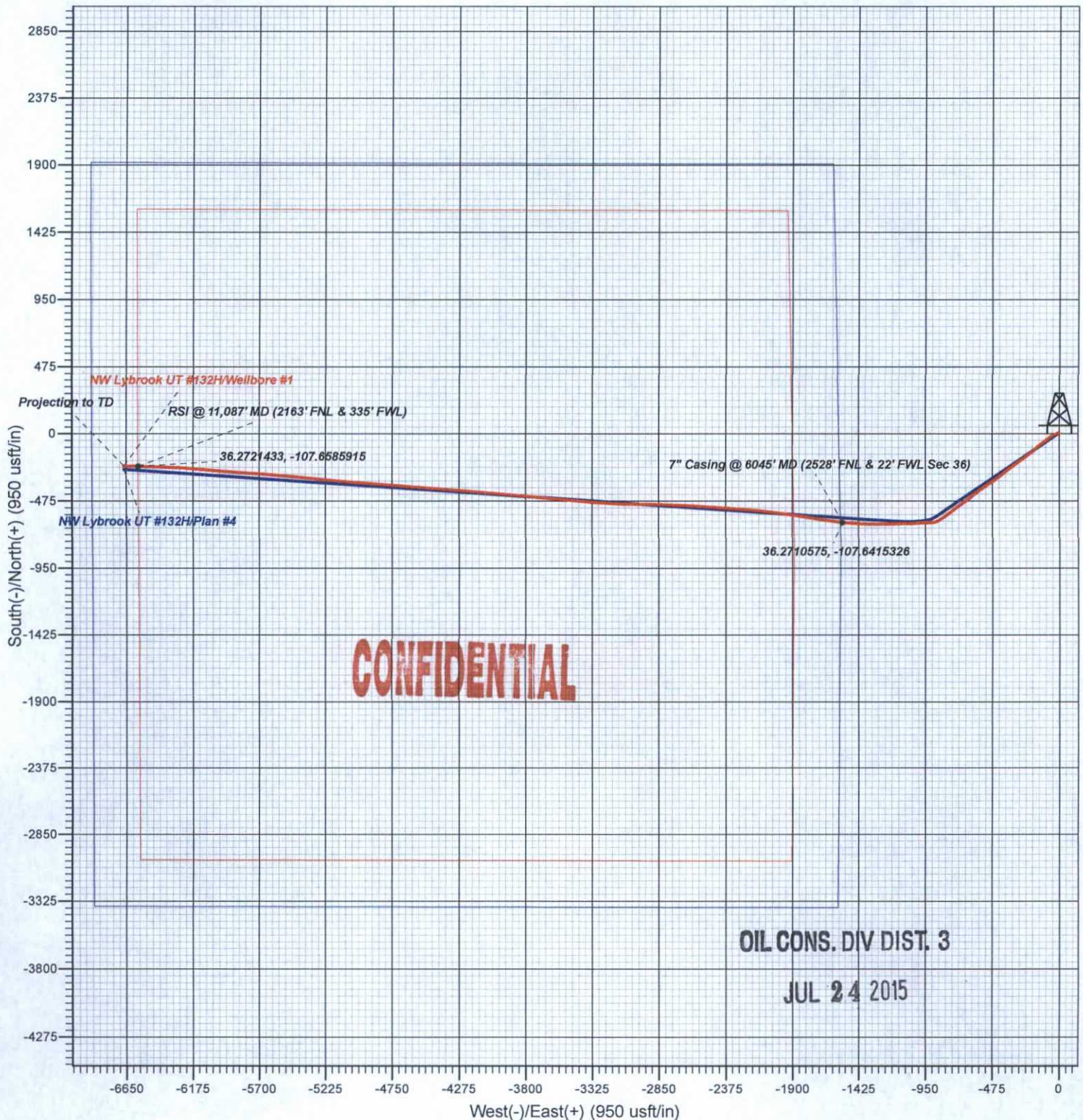


Company: WPX Energy
Project: T24N R8W
Site: Chaco 2408-36F



Well Details: NW Lybrook UT #132H

+N/-S	+E/-W	TVD Reference: GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)	North	East	Lat	Long	Slot
0.00	0.00		1918592.87	558078.85	36.2727790	-107.6363040	



OIL CONS. DIV DIST. 3

JUL 24 2015

Plan: Wellbore #1

10:02, June 26 2015

Created By: Janie Collins

Company:	WPX Energy	Local Co-ordinate Reference:	Well NW Lybrook UT #132H
Project:	T24N R8W	TVD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Site:	Chaco 2408-36F	MD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Well:	NW Lybrook UT #132H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T24N R8W		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	Chaco 2408-36F				
Site Position:		Northing:	1,918,593.24 usft	Latitude:	36.2727800
From:	Lat/Long	Easting:	558,080.03 usft	Longitude:	-107.6363000
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.12 °

Well	NW Lybrook UT #132H					
Well Position	+N/-S	0.00 usft	Northing:	1,918,592.88 usft	Latitude:	36.2727790
	+E/-W	0.00 usft	Easting:	558,078.85 usft	Longitude:	-107.6363040
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,871.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/4/2015	9.12	62.97	49,903

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	273.81	

Survey Program	Date 6/26/2015				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
15.00	305.00	Survey #1 - Gyro Survey (Wellbore #1)	GYRO-NS	Gyrocompass Gyro	
390.00	4,757.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,852.00	6,133.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1	
6,192.00	11,187.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,918,592.88	558,078.85	36.2727790	-107.6363040
15.00	0.00	0.00	15.00	0.00	0.00	1,918,592.88	558,078.85	36.2727790	-107.6363040
45.00	0.24	345.27	45.00	0.06	-0.02	1,918,592.94	558,078.84	36.2727791	-107.6363041
75.00	0.62	343.76	75.00	0.28	-0.08	1,918,593.15	558,078.78	36.2727797	-107.6363043
105.00	0.32	5.12	105.00	0.52	-0.12	1,918,593.39	558,078.74	36.2727804	-107.6363044
135.00	0.17	326.46	135.00	0.64	-0.13	1,918,593.51	558,078.72	36.2727807	-107.6363045
165.00	0.45	327.92	165.00	0.77	-0.22	1,918,593.65	558,078.63	36.2727811	-107.6363048
195.00	0.76	344.16	195.00	1.07	-0.34	1,918,593.94	558,078.52	36.2727819	-107.6363052
225.00	0.82	351.93	224.99	1.47	-0.42	1,918,594.34	558,078.43	36.2727830	-107.6363055

Company:	WPX Energy	Local Co-ordinate Reference:	Well NW Lybrook UT #132H
Project:	T24N R8W	TVD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Site:	Chaco 2408-36F	MD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Well:	NW Lybrook UT #132H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

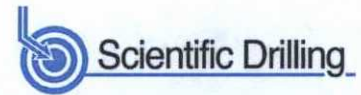
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
255.00	0.81	356.42	254.99	1.89	-0.46	1,918,594.77	558,078.39	36.2727842	-107.6363056
285.00	0.91	354.55	284.99	2.34	-0.50	1,918,595.22	558,078.35	36.2727854	-107.6363057
305.00	0.86	353.35	304.98	2.65	-0.53	1,918,595.52	558,078.32	36.2727863	-107.6363058
390.00	1.00	323.57	389.97	3.88	-1.05	1,918,596.75	558,077.80	36.2727896	-107.6363076
First SDI Surface MWD Survey									
451.00	0.97	338.43	450.96	4.79	-1.55	1,918,597.66	558,077.29	36.2727921	-107.6363093
512.00	1.12	337.58	511.95	5.82	-1.97	1,918,598.69	558,076.87	36.2727950	-107.6363107
573.00	1.53	267.38	572.94	6.33	-3.01	1,918,599.20	558,075.83	36.2727964	-107.6363143
633.00	3.47	242.59	632.88	5.46	-5.42	1,918,598.33	558,073.42	36.2727940	-107.6363224
694.00	4.32	244.79	693.74	3.63	-9.14	1,918,596.49	558,069.71	36.2727890	-107.6363351
755.00	5.44	243.05	754.52	1.34	-13.80	1,918,594.19	558,065.05	36.2727827	-107.6363508
816.00	6.85	247.69	815.17	-1.35	-19.74	1,918,591.49	558,059.12	36.2727753	-107.6363710
877.00	8.97	246.16	875.58	-4.65	-27.46	1,918,588.17	558,051.41	36.2727662	-107.6363972
938.00	10.08	245.35	935.74	-8.80	-36.66	1,918,584.00	558,042.21	36.2727548	-107.6364284
998.00	10.81	237.79	994.75	-13.99	-46.19	1,918,578.79	558,032.69	36.2727405	-107.6364607
1,059.00	11.68	234.32	1,054.58	-20.64	-56.05	1,918,572.12	558,022.85	36.2727223	-107.6364942
1,120.00	13.00	233.84	1,114.17	-28.29	-66.60	1,918,564.45	558,012.31	36.2727013	-107.6365300
1,180.00	14.53	232.28	1,172.44	-36.88	-78.01	1,918,555.84	558,000.92	36.2726777	-107.6365687
1,241.00	15.01	232.80	1,231.43	-46.34	-90.35	1,918,546.36	557,988.60	36.2726517	-107.6366106
1,302.00	15.09	233.00	1,290.34	-55.89	-102.98	1,918,536.78	557,975.98	36.2726254	-107.6366534
1,362.00	15.04	233.23	1,348.27	-65.25	-115.46	1,918,527.39	557,963.53	36.2725997	-107.6366957
1,423.00	15.67	233.76	1,407.10	-74.86	-128.44	1,918,517.76	557,950.57	36.2725733	-107.6367398
1,483.00	15.30	232.76	1,464.92	-84.44	-141.28	1,918,508.15	557,937.75	36.2725470	-107.6367833
1,544.00	14.86	229.90	1,523.82	-94.35	-153.67	1,918,498.22	557,925.38	36.2725198	-107.6368254
1,605.00	15.46	228.20	1,582.70	-104.80	-165.71	1,918,487.73	557,913.35	36.2724911	-107.6368662
1,666.00	15.86	226.56	1,641.43	-115.96	-177.83	1,918,476.56	557,901.26	36.2724604	-107.6369073
1,726.00	15.77	231.20	1,699.16	-126.70	-190.13	1,918,465.79	557,888.98	36.2724309	-107.6369491
1,787.00	15.13	234.03	1,757.96	-136.57	-203.04	1,918,455.89	557,876.09	36.2724038	-107.6369928
1,847.00	14.96	234.06	1,815.90	-145.72	-215.65	1,918,446.72	557,863.51	36.2723787	-107.6370356
1,907.00	15.20	233.79	1,873.84	-154.91	-228.26	1,918,437.50	557,850.91	36.2723534	-107.6370784
1,971.00	15.56	233.70	1,935.54	-164.95	-241.95	1,918,427.44	557,837.24	36.2723258	-107.6371248
2,034.00	15.80	232.84	1,996.20	-175.13	-255.60	1,918,417.23	557,823.62	36.2722979	-107.6371711
2,098.00	15.11	235.88	2,057.89	-185.07	-269.44	1,918,407.26	557,809.79	36.2722706	-107.6372181
2,161.00	15.00	235.65	2,118.72	-194.28	-282.97	1,918,398.02	557,796.28	36.2722453	-107.6372640
2,225.00	14.68	235.35	2,180.59	-203.56	-296.48	1,918,388.71	557,782.79	36.2722198	-107.6373098
2,288.00	14.05	232.90	2,241.62	-212.71	-309.15	1,918,379.53	557,770.14	36.2721946	-107.6373528
2,352.00	14.13	232.58	2,303.69	-222.15	-321.55	1,918,370.08	557,757.76	36.2721687	-107.6373949
2,416.00	14.46	232.26	2,365.71	-231.78	-334.07	1,918,360.41	557,745.25	36.2721422	-107.6374374
2,479.00	14.53	231.92	2,426.71	-241.47	-346.51	1,918,350.70	557,732.83	36.2721156	-107.6374796
2,542.00	14.63	230.65	2,487.68	-251.39	-358.89	1,918,340.75	557,720.48	36.2720884	-107.6375215
2,605.00	14.40	229.70	2,548.67	-261.50	-371.01	1,918,330.62	557,708.37	36.2720606	-107.6375627
2,669.00	14.47	233.24	2,610.65	-271.44	-383.49	1,918,320.66	557,695.92	36.2720333	-107.6376050
2,732.00	14.18	235.85	2,671.69	-280.48	-396.18	1,918,311.59	557,683.24	36.2720085	-107.6376480
2,796.00	14.19	235.35	2,733.74	-289.34	-409.12	1,918,302.71	557,670.32	36.2719841	-107.6376919
2,859.00	14.30	234.17	2,794.80	-298.28	-421.78	1,918,293.73	557,657.68	36.2719595	-107.6377349
2,922.00	14.32	233.71	2,855.85	-307.45	-434.37	1,918,284.54	557,645.11	36.2719344	-107.6377776
2,985.00	14.13	232.84	2,916.91	-316.71	-446.78	1,918,275.26	557,632.72	36.2719089	-107.6378197
3,049.00	13.74	232.53	2,979.03	-326.05	-459.04	1,918,265.89	557,620.48	36.2718833	-107.6378613
3,112.00	13.79	234.98	3,040.22	-334.91	-471.12	1,918,257.01	557,608.41	36.2718589	-107.6379023
3,175.00	13.54	236.82	3,101.44	-343.25	-483.45	1,918,248.64	557,596.11	36.2718360	-107.6379441
3,239.00	13.23	236.89	3,163.70	-351.36	-495.85	1,918,240.51	557,583.72	36.2718137	-107.6379862
3,302.00	13.68	236.22	3,224.97	-359.44	-508.08	1,918,232.41	557,571.51	36.2717915	-107.6380277
3,365.00	14.14	236.62	3,286.12	-367.81	-520.70	1,918,224.01	557,558.90	36.2717685	-107.6380705
3,428.00	14.13	235.47	3,347.22	-376.40	-533.46	1,918,215.39	557,546.16	36.2717449	-107.6381137
3,491.00	13.99	235.18	3,408.33	-385.11	-546.05	1,918,206.66	557,533.59	36.2717210	-107.6381564

Company:	WPX Energy	Local Co-ordinate Reference:	Well NW Lybrook UT #132H
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Well:	NW Lybrook UT #132H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,555.00	13.53	234.93	3,470.49	-393.83	-558.53	1,918,197.91	557,521.13	36.2716971	-107.6381988
3,619.00	14.46	233.94	3,532.59	-402.84	-571.11	1,918,188.88	557,508.56	36.2716723	-107.6382415
3,682.00	15.00	233.84	3,593.52	-412.28	-584.05	1,918,179.41	557,495.64	36.2716464	-107.6382854
3,745.00	15.06	231.92	3,654.37	-422.13	-597.08	1,918,169.53	557,482.64	36.2716193	-107.6383296
3,809.00	15.04	230.87	3,716.17	-432.50	-610.06	1,918,159.13	557,469.67	36.2715908	-107.6383736
3,872.00	15.15	231.39	3,777.00	-442.80	-622.84	1,918,148.81	557,456.92	36.2715625	-107.6384169
3,935.00	15.07	229.44	3,837.82	-453.26	-635.49	1,918,138.32	557,444.28	36.2715338	-107.6384599
3,999.00	15.08	232.98	3,899.62	-463.68	-648.46	1,918,127.87	557,431.34	36.2715052	-107.6385039
4,062.00	14.84	236.34	3,960.48	-473.09	-661.72	1,918,118.44	557,418.10	36.2714793	-107.6385488
4,125.00	15.02	235.95	4,021.36	-482.13	-675.20	1,918,109.37	557,404.64	36.2714545	-107.6385946
4,188.00	14.69	234.78	4,082.25	-491.31	-688.49	1,918,100.17	557,391.37	36.2714293	-107.6386397
4,251.00	13.94	234.28	4,143.30	-500.35	-701.18	1,918,091.10	557,378.70	36.2714044	-107.6386827
4,314.00	13.90	233.59	4,204.45	-509.27	-713.43	1,918,082.16	557,366.47	36.2713799	-107.6387243
4,378.00	14.30	234.00	4,266.52	-518.48	-726.01	1,918,072.92	557,353.90	36.2713546	-107.6387669
4,441.00	14.46	233.81	4,327.54	-527.70	-738.65	1,918,063.68	557,341.28	36.2713293	-107.6388098
4,504.00	14.01	232.67	4,388.61	-536.97	-751.06	1,918,054.38	557,328.89	36.2713038	-107.6388519
4,568.00	13.18	231.95	4,450.82	-546.16	-762.97	1,918,045.16	557,317.00	36.2712786	-107.6388923
4,630.00	13.36	231.95	4,511.16	-554.93	-774.18	1,918,036.37	557,305.81	36.2712545	-107.6389303
4,693.00	12.92	233.63	4,572.51	-563.59	-785.58	1,918,027.68	557,294.42	36.2712307	-107.6389690
4,757.00	13.38	232.58	4,634.83	-572.34	-797.22	1,918,018.92	557,282.80	36.2712067	-107.6390085
Last SDI Surface MWD Survey									
4,852.00	12.88	233.88	4,727.35	-585.26	-814.50	1,918,005.96	557,265.54	36.2711712	-107.6390671
First SDI Curve MWD Survey									
4,916.00	13.80	233.58	4,789.62	-594.00	-826.41	1,917,997.20	557,253.66	36.2711472	-107.6391075
4,979.00	13.74	234.99	4,850.81	-602.75	-838.58	1,917,988.42	557,241.50	36.2711231	-107.6391488
5,042.00	13.65	234.97	4,912.02	-611.31	-850.80	1,917,979.84	557,229.30	36.2710996	-107.6391903
5,105.00	13.91	253.50	4,973.24	-617.73	-864.15	1,917,973.39	557,215.96	36.2710820	-107.6392356
5,168.00	18.16	255.73	5,033.77	-622.30	-880.94	1,917,968.78	557,199.19	36.2710694	-107.6392925
5,231.00	21.71	264.75	5,093.00	-625.79	-902.07	1,917,965.25	557,178.06	36.2710598	-107.6393642
5,295.00	26.43	267.40	5,151.42	-627.52	-928.10	1,917,963.47	557,152.04	36.2710551	-107.6394525
5,359.00	32.25	266.32	5,207.19	-629.26	-959.39	1,917,961.66	557,120.74	36.2710503	-107.6395586
5,423.00	37.42	266.79	5,259.70	-631.45	-995.87	1,917,959.40	557,084.27	36.2710443	-107.6396824
5,486.00	43.89	268.00	5,307.47	-633.29	-1,036.85	1,917,957.48	557,043.29	36.2710392	-107.6398214
5,550.00	49.98	268.68	5,351.15	-634.63	-1,083.57	1,917,956.05	556,996.58	36.2710355	-107.6399799
5,613.00	58.11	268.49	5,388.11	-635.89	-1,134.51	1,917,954.68	556,945.64	36.2710320	-107.6401527
5,677.00	61.49	268.10	5,420.30	-637.54	-1,189.79	1,917,952.92	556,890.37	36.2710275	-107.6403402
5,741.00	66.72	268.90	5,448.24	-639.03	-1,247.32	1,917,951.31	556,832.84	36.2710234	-107.6405354
5,804.00	70.74	271.52	5,471.09	-638.80	-1,306.01	1,917,951.42	556,774.15	36.2710240	-107.6407345
5,868.00	73.78	272.14	5,490.59	-636.85	-1,366.93	1,917,953.24	556,713.22	36.2710294	-107.6409412
5,931.00	79.53	272.45	5,505.13	-634.40	-1,428.15	1,917,955.58	556,652.00	36.2710361	-107.6411488
5,995.00	86.21	273.76	5,513.07	-630.95	-1,491.53	1,917,958.89	556,588.61	36.2710456	-107.6413638
6,045.00	88.54	276.19	5,515.36	-626.62	-1,541.28	1,917,963.12	556,538.85	36.2710574	-107.6415326
7" Casing @ 6045' MD - 36.2710575, -107.6415326									
6,070.00	89.70	277.40	5,515.74	-623.67	-1,566.10	1,917,966.03	556,514.03	36.2710656	-107.6416168
6,133.00	90.91	278.57	5,515.41	-614.91	-1,628.49	1,917,974.65	556,451.62	36.2710896	-107.6418285
Last SDI Curve MWD Survey									
6,192.00	92.08	278.40	5,513.87	-606.21	-1,686.82	1,917,983.23	556,393.27	36.2711135	-107.6420263
First SDI Lateral MWD Survey									
6,253.00	92.05	278.87	5,511.67	-597.06	-1,747.09	1,917,992.26	556,332.98	36.2711386	-107.6422308
6,315.00	91.21	279.02	5,509.91	-587.42	-1,808.31	1,918,001.78	556,271.74	36.2711651	-107.6424385
6,376.00	90.17	278.88	5,509.17	-577.93	-1,868.56	1,918,011.14	556,211.47	36.2711911	-107.6426429
6,436.00	90.70	277.92	5,508.72	-569.17	-1,927.92	1,918,019.79	556,152.10	36.2712152	-107.6428442
6,497.00	89.33	278.13	5,508.70	-560.65	-1,988.32	1,918,028.18	556,091.68	36.2712386	-107.6430491
6,559.00	90.17	277.24	5,508.97	-552.36	-2,049.76	1,918,036.34	556,030.23	36.2712614	-107.6432576



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NW Lybrook UT #132H
Project:	T24N R8W	TVD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Site:	Chaco 2408-36F	MD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Well:	NW Lybrook UT #132H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,620.00	90.77	275.54	5,508.47	-545.57	-2,110.37	1,918,043.01	555,969.59	36.2712800	-107.6434632
6,680.00	90.87	274.63	5,507.61	-540.26	-2,170.13	1,918,048.21	555,909.83	36.2712946	-107.6436659
6,741.00	91.81	274.74	5,506.19	-535.28	-2,230.91	1,918,053.06	555,849.04	36.2713083	-107.6438721
6,802.00	91.63	273.93	5,504.36	-530.67	-2,291.71	1,918,057.55	555,788.23	36.2713209	-107.6440784
6,862.00	90.27	273.69	5,503.36	-526.68	-2,351.57	1,918,061.41	555,728.37	36.2713318	-107.6442814
6,923.00	89.96	274.20	5,503.24	-522.48	-2,412.42	1,918,065.48	555,667.50	36.2713434	-107.6444879
6,984.00	90.03	273.50	5,503.24	-518.39	-2,473.28	1,918,069.46	555,606.63	36.2713546	-107.6446943
7,045.00	89.60	273.67	5,503.44	-514.57	-2,534.16	1,918,073.15	555,545.74	36.2713651	-107.6449009
7,106.00	90.00	273.22	5,503.65	-510.91	-2,595.05	1,918,076.69	555,484.85	36.2713751	-107.6451074
7,166.00	90.51	273.06	5,503.39	-507.62	-2,654.96	1,918,079.85	555,424.93	36.2713841	-107.6453107
7,227.00	91.08	272.67	5,502.54	-504.57	-2,715.88	1,918,082.78	555,364.01	36.2713925	-107.6455173
7,287.00	90.20	272.38	5,501.87	-501.93	-2,775.82	1,918,085.30	555,304.07	36.2713997	-107.6457206
7,349.00	89.36	271.96	5,502.11	-499.58	-2,837.77	1,918,087.52	555,242.11	36.2714062	-107.6459308
7,409.00	90.10	271.65	5,502.39	-497.69	-2,897.74	1,918,089.29	555,182.13	36.2714113	-107.6461343
7,469.00	89.60	269.94	5,502.55	-496.86	-2,957.73	1,918,090.00	555,122.14	36.2714136	-107.6463378
7,530.00	90.03	270.08	5,502.75	-496.85	-3,018.73	1,918,089.89	555,061.14	36.2714136	-107.6465447
7,590.00	91.07	270.93	5,502.17	-496.32	-3,078.72	1,918,090.29	555,001.15	36.2714151	-107.6467482
7,652.00	90.81	271.90	5,501.15	-494.79	-3,140.70	1,918,091.70	554,939.17	36.2714192	-107.6469585
7,712.00	90.03	273.46	5,500.71	-491.99	-3,200.63	1,918,094.38	554,879.24	36.2714269	-107.6471618
7,772.00	90.24	274.56	5,500.57	-487.79	-3,260.48	1,918,098.45	554,819.38	36.2714384	-107.6473648
7,833.00	89.73	275.28	5,500.59	-482.56	-3,321.25	1,918,103.56	554,758.59	36.2714528	-107.6475710
7,894.00	90.10	275.34	5,500.68	-476.91	-3,381.99	1,918,109.08	554,697.84	36.2714683	-107.6477770
7,954.00	89.80	275.31	5,500.73	-471.34	-3,441.73	1,918,114.53	554,638.09	36.2714836	-107.6479797
8,015.00	90.30	274.45	5,500.68	-466.16	-3,502.51	1,918,119.60	554,577.30	36.2714978	-107.6481859
8,077.00	90.13	275.30	5,500.44	-460.89	-3,564.28	1,918,124.74	554,515.52	36.2715122	-107.6483955
8,138.00	90.34	274.84	5,500.19	-455.50	-3,625.05	1,918,130.01	554,454.74	36.2715270	-107.6486016
8,199.00	89.53	275.09	5,500.26	-450.22	-3,685.82	1,918,135.16	554,393.96	36.2715415	-107.6488077
8,260.00	90.17	274.81	5,500.42	-444.95	-3,746.59	1,918,140.30	554,333.18	36.2715560	-107.6490139
8,323.00	89.69	275.16	5,500.50	-439.48	-3,809.35	1,918,145.65	554,270.41	36.2715710	-107.6492268
8,386.00	90.13	275.16	5,500.60	-433.81	-3,872.09	1,918,151.19	554,207.65	36.2715865	-107.6494397
8,450.00	90.57	274.13	5,500.21	-428.63	-3,935.88	1,918,156.24	554,143.85	36.2716007	-107.6496561
8,513.00	90.47	274.59	5,499.64	-423.84	-3,998.70	1,918,160.90	554,081.03	36.2716139	-107.6498692
8,577.00	90.40	274.50	5,499.15	-418.77	-4,062.49	1,918,165.84	554,017.22	36.2716278	-107.6500856
8,640.00	90.03	274.76	5,498.91	-413.68	-4,125.29	1,918,170.80	553,954.42	36.2716417	-107.6502986
8,703.00	89.78	275.34	5,499.02	-408.14	-4,188.04	1,918,176.22	553,891.65	36.2716569	-107.6505115
8,767.00	90.23	275.05	5,499.01	-402.34	-4,251.78	1,918,181.88	553,827.90	36.2716728	-107.6507277
8,830.00	90.17	274.54	5,498.79	-397.08	-4,314.56	1,918,187.02	553,765.11	36.2716873	-107.6509407
8,893.00	90.13	274.46	5,498.63	-392.13	-4,377.36	1,918,191.84	553,702.30	36.2717008	-107.6511538
8,956.00	90.04	274.99	5,498.53	-386.94	-4,440.15	1,918,196.90	553,639.50	36.2717150	-107.6513668
9,019.00	90.24	274.89	5,498.38	-381.52	-4,502.91	1,918,202.20	553,576.73	36.2717299	-107.6515797
9,083.00	90.17	275.13	5,498.15	-375.93	-4,566.67	1,918,207.65	553,512.96	36.2717452	-107.6517960
9,147.00	90.07	274.23	5,498.02	-370.71	-4,630.46	1,918,212.75	553,449.16	36.2717596	-107.6520124
9,210.00	90.04	274.46	5,497.96	-365.94	-4,693.27	1,918,217.39	553,386.33	36.2717726	-107.6522255
9,273.00	90.44	274.25	5,497.69	-361.15	-4,756.09	1,918,222.05	553,323.51	36.2717858	-107.6524386
9,336.00	90.04	274.28	5,497.43	-356.47	-4,818.92	1,918,226.61	553,260.67	36.2717986	-107.6526517
9,398.00	90.37	273.79	5,497.21	-352.10	-4,880.76	1,918,230.84	553,198.82	36.2718106	-107.6528615
9,462.00	89.56	273.66	5,497.25	-347.95	-4,944.63	1,918,234.87	553,134.95	36.2718219	-107.6530782
9,525.00	90.30	273.98	5,497.32	-343.75	-5,007.49	1,918,238.94	553,072.08	36.2718334	-107.6532914
9,589.00	90.00	274.69	5,497.16	-338.91	-5,071.30	1,918,243.65	553,008.25	36.2718467	-107.6535079
9,653.00	90.77	274.71	5,496.73	-333.67	-5,135.08	1,918,248.76	552,944.46	36.2718611	-107.6537243
9,716.00	90.37	275.81	5,496.10	-327.89	-5,197.82	1,918,254.41	552,881.72	36.2718769	-107.6539371
9,780.00	90.20	275.34	5,495.78	-321.68	-5,261.51	1,918,260.50	552,818.01	36.2718940	-107.6541532
9,843.00	89.09	275.33	5,496.17	-315.82	-5,324.24	1,918,266.23	552,755.27	36.2719100	-107.6543660
9,907.00	89.97	275.43	5,496.70	-309.82	-5,387.95	1,918,272.10	552,691.54	36.2719265	-107.6545821
9,970.00	90.84	275.78	5,496.25	-303.66	-5,450.65	1,918,278.12	552,628.84	36.2719433	-107.6547948

Company:	WPX Energy	Local Co-ordinate Reference:	Well NW Lybrook UT #132H
Project:	T24N R8W	TVD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Site:	Chaco 2408-36F	MD Reference:	GL 6871' & RKB 15' @ 6886.00usft (Aztec 920)
Well:	NW Lybrook UT #132H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,033.00	90.87	274.74	5,495.31	-297.89	-5,513.38	1,918,283.77	552,566.10	36.2719592	-107.6550076
10,096.00	90.64	275.05	5,494.48	-292.51	-5,576.14	1,918,289.02	552,503.32	36.2719739	-107.6552205
10,159.00	89.76	274.34	5,494.26	-287.36	-5,638.93	1,918,294.05	552,440.52	36.2719880	-107.6554335
10,222.00	90.57	274.24	5,494.08	-282.64	-5,701.75	1,918,298.63	552,377.69	36.2720009	-107.6556467
10,286.00	90.10	273.46	5,493.70	-278.35	-5,765.60	1,918,302.80	552,313.83	36.2720127	-107.6558633
10,349.00	91.38	273.46	5,492.89	-274.55	-5,828.48	1,918,306.47	552,250.94	36.2720231	-107.6560766
10,412.00	90.64	274.42	5,491.78	-270.22	-5,891.32	1,918,310.67	552,188.09	36.2720350	-107.6562898
10,475.00	90.10	274.69	5,491.37	-265.21	-5,954.12	1,918,315.55	552,125.28	36.2720487	-107.6565028
10,539.00	89.52	274.55	5,491.59	-260.06	-6,017.91	1,918,320.57	552,061.48	36.2720628	-107.6567192
10,602.00	90.30	274.90	5,491.69	-254.87	-6,080.70	1,918,325.63	551,998.69	36.2720770	-107.6569322
10,665.00	90.00	274.60	5,491.52	-249.65	-6,143.48	1,918,330.72	551,935.89	36.2720913	-107.6571452
10,729.00	92.22	275.70	5,490.28	-243.91	-6,207.21	1,918,336.34	551,872.16	36.2721071	-107.6573614
10,793.00	90.10	273.99	5,488.98	-238.51	-6,270.96	1,918,341.61	551,808.39	36.2721219	-107.6575777
10,856.00	90.13	271.65	5,488.86	-235.41	-6,333.88	1,918,344.58	551,745.47	36.2721303	-107.6577911
10,919.00	90.20	270.79	5,488.68	-234.07	-6,396.86	1,918,345.80	551,682.48	36.2721340	-107.6580048
10,982.00	89.96	271.12	5,488.59	-233.02	-6,459.85	1,918,346.72	551,619.49	36.2721368	-107.6582185
11,046.00	90.57	271.29	5,488.29	-231.67	-6,523.84	1,918,347.93	551,555.50	36.2721405	-107.6584356
11,087.00	91.42	271.23	5,487.58	-230.77	-6,564.82	1,918,348.75	551,514.52	36.2721429	-107.6585746
36.2721433, -107.6585915 - RSI @ 11,087' MD									
11,109.00	91.88	271.20	5,486.95	-230.30	-6,586.81	1,918,349.17	551,492.53	36.2721442	-107.6586492
11,123.00	92.12	271.39	5,486.46	-229.99	-6,600.80	1,918,349.46	551,478.54	36.2721451	-107.6586966
Last SDI Lateral MWD Survey									
11,187.00	92.12	271.39	5,484.09	-228.43	-6,664.73	1,918,350.88	551,414.60	36.2721493	-107.6589135
Projection to TD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
390.00	389.97	3.88	-1.05	First SDI Surface MWD Survey
4,757.00	4,634.83	-572.34	-797.22	Last SDI Surface MWD Survey
4,852.00	4,727.35	-585.26	-814.50	First SDI Curve MWD Survey
6,045.00	5,515.36	-626.62	-1,541.28	7" Casing @ 6045' MD
6,045.00	5,515.36	-626.62	-1,541.28	36.2710575, -107.6415326
6,133.00	5,515.41	-614.91	-1,628.49	Last SDI Curve MWD Survey
6,192.00	5,513.87	-606.21	-1,686.82	First SDI Lateral MWD Survey
11,087.00	5,487.58	-230.77	-6,564.82	36.2721433, -107.6585915
11,087.00	5,487.58	-230.77	-6,564.82	RSI @ 11,087' MD
11,123.00	5,486.46	-229.99	-6,600.80	Last SDI Lateral MWD Survey
11,187.00	5,484.09	-228.43	-6,664.73	Projection to TD

Checked By: _____ Approved By: _____ Date: _____