

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 Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35743		*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT		*Well Number 748H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6733

¹⁰ Surface Location

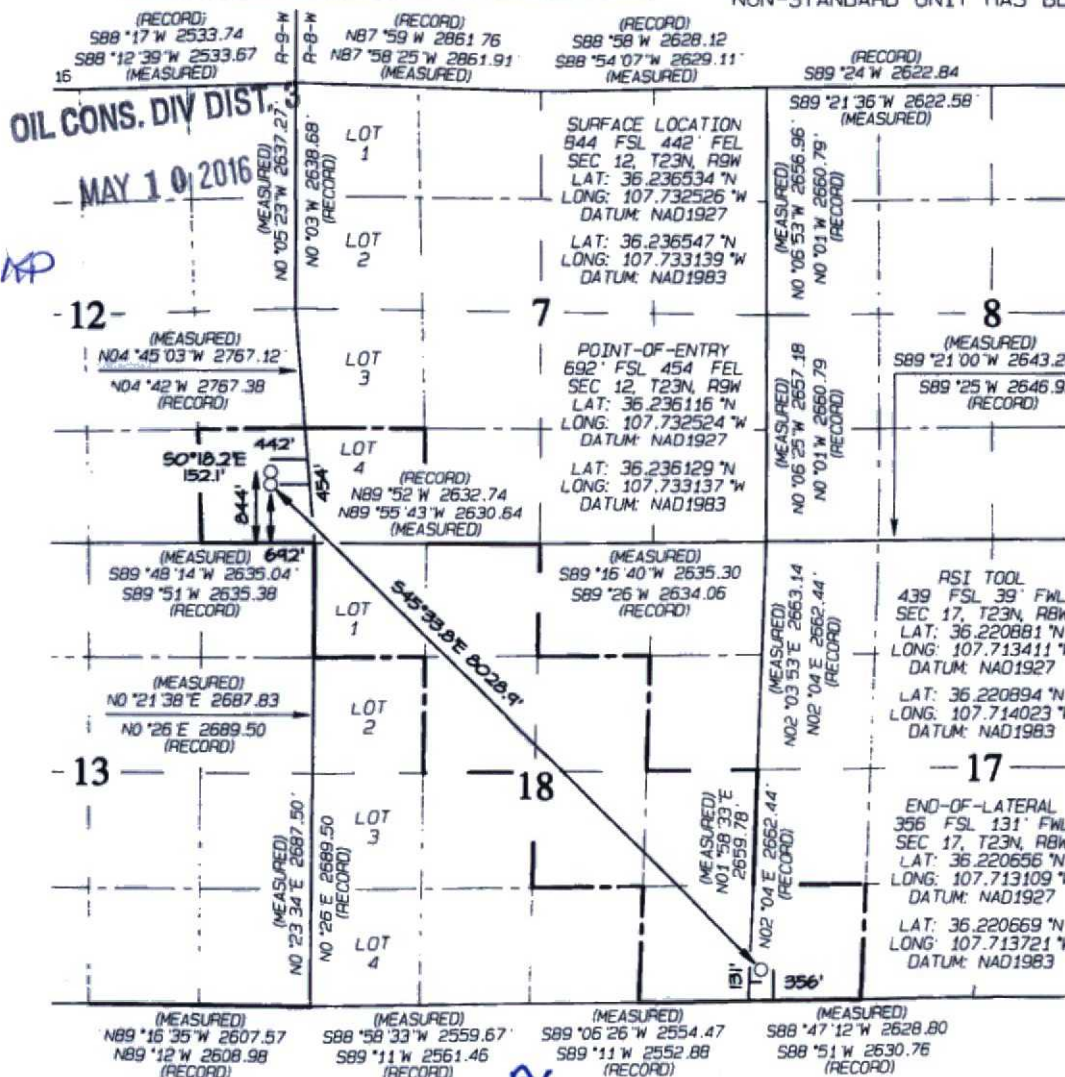
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	23N	9W		844	SOUTH	442	EAST	SAN JUAN

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	17	23N	8W		356	SOUTH	131	WEST	SAN JUAN

*Dedicated Acres 399.20	SE/4 SE/4 (Section 12) SW/4 SW/4 (Section 7) SW/4 SW/4 (Section 17) N/2 NW/4, SE/4 NW/4, SW/4 NE/4 N/2, SE/4, SE/4 SE/4 (Section 18)	*Joint or Infill	*Consolidation Code	*Order No. R-14051 - 12,807.24 Acres
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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



CONFIDENTIAL

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: Marie E. Jaramillo Date: 5/9/16

Printed Name: Marie E. Jaramillo

E-mail Address: marie.jaramillo@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: MARCH 31, 2016
Date of Survey: MAY 18, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #748H - Slot A3
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Well:	W Lybrook UT #748H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

CONFIDENTIAL

Project	T23N R9W		
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		W Lybrook 2309-12P			
Site Position:		Northing:		1,905,338.99 usft	
From:		Easting:		529,692.39 usft	
Position Uncertainty:		Slot Radius:		13.200 in	
Map		Latitude:		36.2364886	
0.00 ft		Longitude:		-107.7326501	
		Grid Convergence:		0.06 °	

Well	W Lybrook UT #748H - Slot A3					
Well Position	+N/-S	0.00 ft	Northing:	1,905,355.43 usft	Latitude:	36.2365336
	+E/-W	0.00 ft	Easting:	529,728.85 usft	Longitude:	-107.7325264
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	6,733.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/16/2016	9.13	62.88	49,803

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	259.47	

Survey Program		Date	3/30/2016		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
54.99	304.99	Surface Gyro (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
405.00	3,999.01	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,090.00	5,537.00	Survey #3 - Curve MWD Survey (Wellbore	MWD SDI	MWD - Standard ver 1.0.1	
5,583.00	13,507.00	Survey #4 - Lateral MWD Survey (Wellbor	MWD SDI	MWD - Standard ver 1.0.1	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,905,355.43	529,728.85	36.2365336	-107.7325264
54.99	0.55	243.98	54.99	-0.12	-0.24	1,905,355.32	529,728.61	36.2365333	-107.7325272
85.01	0.33	259.96	85.01	-0.19	-0.45	1,905,355.24	529,728.40	36.2365331	-107.7325279
114.99	0.35	272.38	114.99	-0.21	-0.63	1,905,355.23	529,728.22	36.2365331	-107.7325285
145.01	0.40	313.40	145.01	-0.13	-0.80	1,905,355.30	529,728.06	36.2365333	-107.7325291
175.00	0.38	304.82	175.00	0.00	-0.95	1,905,355.43	529,727.90	36.2365336	-107.7325296
204.99	0.41	258.53	204.99	0.03	-1.14	1,905,355.47	529,727.71	36.2365337	-107.7325303
235.01	0.29	174.15	235.01	-0.06	-1.24	1,905,355.37	529,727.61	36.2365334	-107.7325306
264.99	0.13	147.71	264.99	-0.17	-1.21	1,905,355.26	529,727.64	36.2365332	-107.7325305

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #748H - Slot A3
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Well:	W Lybrook UT #748H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
295.01	0.20	115.52	295.01	-0.22	-1.15	1,905,355.21	529,727.71	36.2365330	-107.7325303
304.99	0.30	120.59	304.99	-0.24	-1.11	1,905,355.19	529,727.74	36.2365330	-107.7325302
405.00	0.30	90.59	404.99	-0.37	-0.62	1,905,355.06	529,728.23	36.2365326	-107.7325285
First SDI Surface MWD Survey									
450.00	0.32	93.61	449.99	-0.38	-0.38	1,905,355.05	529,728.47	36.2365326	-107.7325277
541.00	2.09	326.68	540.98	0.99	-1.04	1,905,356.42	529,727.81	36.2365363	-107.7325299
632.00	3.71	335.27	631.86	5.05	-3.18	1,905,360.48	529,725.67	36.2365475	-107.7325372
723.00	4.74	309.12	722.62	10.10	-7.33	1,905,365.52	529,721.51	36.2365614	-107.7325513
814.00	6.89	300.01	813.14	15.20	-14.97	1,905,370.62	529,713.86	36.2365754	-107.7325772
905.00	6.59	303.78	903.52	20.83	-24.04	1,905,376.24	529,704.79	36.2365908	-107.7326079
996.00	9.11	310.41	993.66	28.41	-33.87	1,905,383.80	529,694.95	36.2366117	-107.7326412
1,086.00	7.73	311.98	1,082.69	37.07	-43.79	1,905,392.46	529,685.02	36.2366355	-107.7326749
1,177.00	9.56	315.93	1,172.65	46.60	-53.60	1,905,401.97	529,675.20	36.2366616	-107.7327081
1,268.00	10.34	316.66	1,262.28	57.97	-64.46	1,905,413.33	529,664.33	36.2366929	-107.7327450
1,359.00	12.75	313.31	1,351.43	70.80	-77.37	1,905,426.15	529,651.40	36.2367281	-107.7327888
1,450.00	13.71	305.06	1,440.03	83.88	-93.51	1,905,439.22	529,635.25	36.2367641	-107.7328435
1,541.00	13.33	302.28	1,528.51	95.68	-111.21	1,905,450.99	529,617.55	36.2367965	-107.7329035
1,632.00	12.87	300.63	1,617.14	106.44	-128.80	1,905,461.74	529,599.95	36.2368260	-107.7329631
1,723.00	13.00	309.78	1,705.84	118.16	-145.38	1,905,473.44	529,583.34	36.2368582	-107.7330194
1,813.00	12.87	307.10	1,793.55	130.68	-161.16	1,905,485.95	529,567.56	36.2368926	-107.7330729
1,905.00	13.06	307.32	1,883.21	143.16	-177.60	1,905,498.41	529,551.11	36.2369269	-107.7331286
1,996.00	12.98	305.24	1,971.87	155.29	-194.12	1,905,510.52	529,534.57	36.2369602	-107.7331846
2,087.00	13.10	305.33	2,060.52	167.15	-210.88	1,905,522.37	529,517.80	36.2369928	-107.7332415
2,178.00	13.46	306.18	2,149.09	179.37	-227.84	1,905,534.57	529,500.82	36.2370264	-107.7332990
2,268.00	14.10	305.98	2,236.50	191.99	-245.17	1,905,547.17	529,483.48	36.2370611	-107.7333577
2,359.00	14.29	306.70	2,324.72	205.22	-263.14	1,905,560.38	529,465.49	36.2370974	-107.7334187
2,450.00	14.46	305.98	2,412.87	218.61	-281.34	1,905,573.74	529,447.28	36.2371342	-107.7334804
2,541.01	14.48	304.63	2,500.99	231.75	-299.90	1,905,586.87	529,428.71	36.2371703	-107.7335433
2,632.01	13.56	305.78	2,589.28	244.45	-317.91	1,905,599.55	529,410.68	36.2372051	-107.7336044
2,723.01	13.42	304.47	2,677.77	256.66	-335.28	1,905,611.75	529,393.31	36.2372387	-107.7336633
2,814.01	13.19	303.01	2,766.32	268.30	-352.69	1,905,623.36	529,375.89	36.2372707	-107.7337223
2,905.01	12.43	304.41	2,855.06	279.49	-369.47	1,905,634.53	529,359.09	36.2373014	-107.7337793
2,996.01	12.53	308.98	2,943.91	291.23	-385.23	1,905,646.26	529,343.32	36.2373337	-107.7338327
3,087.01	12.99	310.34	3,032.66	304.06	-400.70	1,905,659.08	529,327.84	36.2373689	-107.7338851
3,179.01	13.63	310.12	3,122.19	317.74	-416.87	1,905,672.74	529,311.65	36.2374065	-107.7339400
3,270.01	14.21	310.34	3,210.52	331.88	-433.58	1,905,686.86	529,294.93	36.2374453	-107.7339966
3,361.01	14.75	311.19	3,298.63	346.74	-450.81	1,905,701.70	529,277.68	36.2374861	-107.7340551
3,452.01	14.07	306.80	3,386.77	360.99	-468.39	1,905,715.94	529,260.09	36.2375253	-107.7341147
3,543.01	13.35	304.69	3,475.17	373.60	-485.88	1,905,728.53	529,242.58	36.2375599	-107.7341740
3,634.01	13.60	302.44	3,563.67	385.32	-503.55	1,905,740.23	529,224.90	36.2375921	-107.7342339
3,725.01	12.97	305.58	3,652.24	397.00	-520.89	1,905,751.89	529,207.55	36.2376242	-107.7342927
3,816.01	11.75	310.29	3,741.13	408.93	-536.26	1,905,763.81	529,192.17	36.2376570	-107.7343448
3,907.01	9.90	307.76	3,830.51	419.72	-549.51	1,905,774.58	529,178.90	36.2376866	-107.7343898
3,999.01	6.82	303.71	3,921.52	427.59	-560.31	1,905,782.44	529,168.09	36.2377083	-107.7344264
Last SDI Surface MWD Survey									
4,090.00	3.12	310.81	4,012.15	432.21	-566.68	1,905,787.05	529,161.72	36.2377210	-107.7344480
First SDI Curve MWD Survey									
4,181.00	0.75	92.80	4,103.11	433.80	-567.96	1,905,788.64	529,160.44	36.2377253	-107.7344523
4,227.00	1.51	105.08	4,149.10	433.63	-567.08	1,905,788.47	529,161.32	36.2377248	-107.7344493
4,272.00	4.59	122.58	4,194.04	432.50	-564.99	1,905,787.35	529,163.41	36.2377218	-107.7344422
4,318.00	8.20	123.02	4,239.74	429.72	-560.69	1,905,784.57	529,167.72	36.2377141	-107.7344276
4,363.00	10.99	126.99	4,284.11	425.39	-554.57	1,905,780.25	529,173.84	36.2377022	-107.7344069
4,409.00	13.98	129.59	4,329.02	419.21	-546.78	1,905,774.08	529,181.64	36.2376852	-107.7343805
4,455.00	16.80	134.90	4,373.36	410.98	-537.79	1,905,765.85	529,190.64	36.2376626	-107.7343500
4,500.00	20.17	136.37	4,416.04	400.77	-527.83	1,905,755.65	529,200.61	36.2376346	-107.7343162



SDI
Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #748H - Slot A3
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Well:	W Lybrook UT #748H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,546.00	23.48	137.01	4,458.73	388.32	-516.10	1,905,743.22	529,212.35	36.2376004	-107.7342765
4,591.00	26.73	136.75	4,499.48	374.39	-503.05	1,905,729.30	529,225.41	36.2375621	-107.7342322
4,637.00	30.40	136.65	4,539.87	358.39	-487.97	1,905,713.31	529,240.51	36.2375181	-107.7341811
4,683.00	34.86	134.88	4,578.60	340.64	-470.65	1,905,695.58	529,257.84	36.2374694	-107.7341223
4,728.00	39.09	135.79	4,614.54	321.38	-451.64	1,905,676.35	529,276.88	36.2374165	-107.7340579
4,774.00	42.93	136.26	4,649.25	299.66	-430.69	1,905,654.65	529,297.85	36.2373568	-107.7339868
4,819.00	46.16	136.30	4,681.32	276.85	-408.88	1,905,631.86	529,319.69	36.2372942	-107.7339129
4,865.00	49.60	138.12	4,712.17	251.81	-385.71	1,905,606.84	529,342.88	36.2372254	-107.7338343
4,910.00	53.72	138.84	4,740.07	225.38	-362.33	1,905,580.44	529,366.29	36.2371528	-107.7337550
4,956.00	57.37	136.59	4,766.10	197.34	-336.80	1,905,552.42	529,391.85	36.2370757	-107.7336685
5,001.00	60.04	135.34	4,789.47	169.71	-310.07	1,905,524.81	529,418.60	36.2369998	-107.7335778
5,047.00	60.18	134.10	4,812.39	141.64	-281.74	1,905,496.78	529,446.97	36.2369227	-107.7334817
5,092.00	62.62	134.84	4,833.93	113.97	-253.55	1,905,469.14	529,475.19	36.2368467	-107.7333861
5,138.00	66.54	136.23	4,853.68	84.32	-224.46	1,905,439.52	529,504.31	36.2367652	-107.7332875
5,183.00	71.15	137.35	4,869.91	53.73	-195.73	1,905,408.96	529,533.06	36.2366812	-107.7331901
5,229.00	74.40	137.16	4,883.53	21.47	-165.92	1,905,376.73	529,562.91	36.2365926	-107.7330890
5,274.00	77.26	137.22	4,894.55	-10.53	-136.27	1,905,344.76	529,592.59	36.2365047	-107.7329885
5,320.00	79.54	136.78	4,903.80	-43.49	-105.54	1,905,311.84	529,623.36	36.2364142	-107.7328843
5,365.00	82.09	135.87	4,910.98	-75.61	-74.87	1,905,279.74	529,654.07	36.2363259	-107.7327803
5,411.00	84.55	135.54	4,916.33	-108.31	-42.96	1,905,247.08	529,686.00	36.2362361	-107.7326721
5,473.00	85.77	134.59	4,921.56	-152.04	0.67	1,905,203.39	529,729.68	36.2361159	-107.7325241
7" Casing @5473' MD - 36.2361159, -107.7325240									
5,537.00	87.04	133.60	4,925.57	-196.49	46.55	1,905,159.00	529,775.60	36.2359938	-107.7323686
Last SDI Curve MWD Survey									
5,583.00	87.95	132.90	4,927.58	-227.97	80.02	1,905,127.54	529,809.11	36.2359073	-107.7322551
First SDI Lateral MWD Survey									
5,674.00	89.56	132.79	4,929.56	-289.84	146.72	1,905,065.75	529,875.87	36.2357374	-107.7320289
5,765.00	89.29	131.43	4,930.47	-350.86	214.22	1,905,004.80	529,943.44	36.2355698	-107.7318000
5,856.00	89.53	132.10	4,931.41	-411.46	282.10	1,904,944.26	530,011.38	36.2354033	-107.7315699
5,948.00	89.87	133.00	4,931.89	-473.68	349.87	1,904,882.12	530,079.21	36.2352324	-107.7313401
6,039.00	90.23	135.57	4,931.81	-537.21	415.01	1,904,818.66	530,144.42	36.2350578	-107.7311192
6,130.00	90.13	134.99	4,931.52	-601.87	479.04	1,904,754.06	530,208.52	36.2348802	-107.7309021
6,221.00	89.78	136.13	4,931.59	-666.84	542.75	1,904,689.16	530,272.30	36.2347017	-107.7306860
6,312.00	91.18	137.12	4,930.83	-732.98	605.24	1,904,623.08	530,334.86	36.2345200	-107.7304741
6,403.00	91.41	136.58	4,928.78	-799.36	667.46	1,904,556.77	530,397.15	36.2343377	-107.7302632
6,494.00	89.87	137.02	4,927.76	-865.69	729.75	1,904,490.51	530,459.50	36.2341554	-107.7300520
6,585.00	89.43	135.30	4,928.32	-931.32	792.78	1,904,424.94	530,522.60	36.2339751	-107.7298383
6,676.00	89.26	134.80	4,929.36	-995.72	857.07	1,904,360.61	530,586.95	36.2337982	-107.7296203
6,767.00	89.33	134.18	4,930.48	-1,059.48	921.98	1,904,296.91	530,651.93	36.2336230	-107.7294002
6,858.00	89.19	133.44	4,931.65	-1,122.47	987.64	1,904,233.99	530,717.66	36.2334500	-107.7291776
6,949.00	90.40	133.98	4,931.98	-1,185.35	1,053.42	1,904,171.18	530,783.50	36.2332772	-107.7289545
7,040.00	90.40	135.34	4,931.34	-1,249.31	1,118.14	1,904,107.29	530,848.29	36.2331015	-107.7287351
7,131.00	88.89	137.06	4,931.90	-1,314.99	1,181.12	1,904,041.68	530,911.34	36.2329211	-107.7285216
7,223.00	89.19	136.61	4,933.45	-1,382.08	1,244.05	1,903,974.65	530,974.34	36.2327368	-107.7283082
7,314.00	90.50	136.86	4,933.69	-1,448.35	1,306.42	1,903,908.45	531,036.77	36.2325547	-107.7280967
7,405.00	89.36	137.57	4,933.80	-1,515.13	1,368.23	1,903,841.73	531,098.65	36.2323712	-107.7278872
7,496.00	88.72	136.74	4,935.33	-1,581.84	1,430.10	1,903,775.08	531,160.59	36.2321880	-107.7276774
7,587.00	89.23	137.04	4,936.96	-1,648.26	1,492.28	1,903,708.73	531,222.84	36.2320055	-107.7274666
7,678.00	89.16	136.52	4,938.23	-1,714.57	1,554.59	1,903,642.48	531,285.22	36.2318233	-107.7272553
7,769.00	88.42	135.65	4,940.16	-1,780.11	1,617.69	1,903,577.01	531,348.39	36.2316433	-107.7270414
7,860.00	90.94	136.28	4,940.66	-1,845.52	1,680.94	1,903,511.66	531,411.71	36.2314636	-107.7268269
7,951.00	91.65	137.34	4,938.61	-1,911.85	1,743.20	1,903,445.40	531,474.04	36.2312813	-107.7266158
8,042.00	91.24	136.93	4,936.31	-1,978.53	1,805.09	1,903,378.79	531,535.99	36.2310981	-107.7264060
8,134.00	91.44	136.90	4,934.16	-2,045.70	1,867.91	1,903,311.68	531,598.89	36.2309136	-107.7261930
8,225.00	89.26	135.96	4,933.61	-2,111.63	1,930.63	1,903,245.82	531,661.67	36.2307325	-107.7259804

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #748H - Slot A3
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Well:	W Lybrook UT #748H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,316.00	89.30	134.66	4,934.75	-2,176.32	1,994.62	1,903,181.20	531,725.73	36.2305548	-107.7257634
8,407.00	89.93	134.75	4,935.36	-2,240.33	2,059.30	1,903,117.25	531,790.47	36.2303789	-107.7255441
8,498.00	90.00	134.47	4,935.42	-2,304.24	2,124.08	1,903,053.41	531,855.32	36.2302033	-107.7253245
8,590.00	90.70	134.10	4,934.85	-2,368.47	2,189.94	1,902,989.24	531,921.25	36.2300268	-107.7251012
8,681.00	90.70	134.01	4,933.74	-2,431.74	2,255.33	1,902,926.04	531,986.71	36.2298530	-107.7248795
8,772.00	89.70	132.90	4,933.42	-2,494.33	2,321.39	1,902,863.52	532,052.83	36.2296811	-107.7246556
8,862.00	88.42	132.57	4,934.90	-2,555.40	2,387.48	1,902,802.53	532,118.99	36.2295133	-107.7244315
8,953.00	88.73	132.51	4,937.16	-2,616.90	2,454.51	1,902,741.09	532,186.08	36.2293443	-107.7242042
9,043.00	87.24	130.96	4,940.33	-2,676.77	2,521.63	1,902,681.29	532,253.26	36.2291798	-107.7239767
9,134.00	86.51	131.67	4,945.29	-2,736.76	2,589.87	1,902,621.37	532,321.57	36.2290150	-107.7237453
9,226.00	87.85	131.65	4,949.82	-2,797.84	2,658.52	1,902,560.37	532,390.28	36.2288472	-107.7235126
9,317.00	90.07	132.87	4,951.47	-2,859.02	2,725.85	1,902,499.25	532,457.67	36.2286791	-107.7232843
9,408.00	89.25	134.90	4,952.01	-2,922.10	2,791.44	1,902,436.24	532,523.32	36.2285058	-107.7230620
9,498.00	91.54	135.78	4,951.39	-2,986.11	2,854.69	1,902,372.30	532,586.64	36.2283299	-107.7228475
9,589.00	90.77	135.09	4,949.55	-3,050.93	2,918.53	1,902,307.55	532,650.55	36.2281519	-107.7226311
9,680.00	91.63	135.61	4,947.65	-3,115.65	2,982.47	1,902,242.89	532,714.56	36.2279740	-107.7224143
9,771.00	92.25	136.42	4,944.57	-3,181.09	3,045.63	1,902,177.52	532,777.78	36.2277943	-107.7222002
9,863.00	90.94	135.22	4,942.01	-3,247.04	3,109.72	1,902,111.64	532,841.94	36.2276131	-107.7219829
9,954.00	91.57	134.73	4,940.01	-3,311.34	3,174.08	1,902,047.40	532,906.37	36.2274364	-107.7217648
10,044.00	90.87	134.24	4,938.10	-3,374.39	3,238.27	1,901,984.42	532,970.63	36.2272632	-107.7215471
10,135.00	92.86	133.50	4,935.13	-3,437.42	3,303.84	1,901,921.46	533,036.26	36.2270900	-107.7213249
10,226.00	92.18	132.03	4,931.13	-3,499.15	3,370.58	1,901,859.80	533,103.06	36.2269204	-107.7210986
10,317.00	93.08	135.06	4,926.96	-3,561.76	3,436.46	1,901,797.25	533,169.01	36.2267484	-107.7208753
10,407.00	93.19	135.12	4,922.04	-3,625.41	3,499.90	1,901,733.67	533,232.52	36.2265735	-107.7206602
10,498.00	89.93	137.09	4,919.56	-3,690.95	3,562.96	1,901,668.20	533,295.64	36.2263934	-107.7204464
10,589.00	90.40	136.53	4,919.30	-3,757.29	3,625.24	1,901,601.92	533,357.99	36.2262111	-107.7202353
10,680.00	88.76	137.25	4,919.96	-3,823.72	3,687.43	1,901,535.55	533,420.25	36.2260286	-107.7200245
10,771.00	88.96	136.87	4,921.77	-3,890.33	3,749.41	1,901,469.01	533,482.30	36.2258456	-107.7198144
10,862.00	88.93	136.38	4,923.45	-3,956.46	3,811.89	1,901,402.94	533,544.85	36.2256639	-107.7196025
10,953.00	89.30	136.19	4,924.85	-4,022.23	3,874.77	1,901,337.24	533,607.80	36.2254832	-107.7193894
11,044.00	88.22	135.22	4,926.82	-4,087.35	3,938.31	1,901,272.19	533,671.40	36.2253043	-107.7191740
11,135.00	89.77	135.24	4,928.42	-4,151.94	4,002.38	1,901,207.67	533,735.54	36.2251269	-107.7189568
11,226.00	89.66	134.04	4,928.87	-4,215.88	4,067.13	1,901,143.80	533,800.36	36.2249512	-107.7187373
11,317.00	90.67	134.20	4,928.61	-4,279.23	4,132.46	1,901,080.51	533,865.75	36.2247771	-107.7185159
11,408.00	90.57	133.89	4,927.63	-4,342.49	4,197.86	1,901,017.32	533,931.22	36.2246033	-107.7182941
11,499.00	90.67	133.49	4,926.64	-4,405.34	4,263.66	1,900,954.54	533,997.08	36.2244306	-107.7180711
11,590.00	90.34	133.11	4,925.84	-4,467.75	4,329.89	1,900,892.20	534,063.37	36.2242591	-107.7178466
11,681.00	90.84	132.73	4,924.90	-4,529.72	4,396.52	1,900,830.30	534,130.07	36.2240889	-107.7176207
11,773.00	90.03	134.32	4,924.20	-4,593.07	4,463.22	1,900,767.02	534,196.84	36.2239148	-107.7173946
11,864.00	90.87	133.99	4,923.49	-4,656.46	4,528.51	1,900,703.70	534,262.19	36.2237407	-107.7171733
11,955.00	89.43	132.84	4,923.25	-4,719.00	4,594.61	1,900,641.23	534,328.36	36.2235688	-107.7169492
12,046.00	90.37	132.70	4,923.41	-4,780.79	4,661.41	1,900,579.50	534,395.22	36.2233990	-107.7167228
12,137.00	91.04	132.34	4,922.29	-4,842.29	4,728.48	1,900,518.08	534,462.35	36.2232301	-107.7164955
12,228.00	89.73	131.16	4,921.68	-4,902.88	4,796.36	1,900,457.56	534,530.30	36.2230636	-107.7162653
12,319.00	90.34	132.57	4,921.62	-4,963.61	4,864.13	1,900,396.90	534,598.13	36.2228967	-107.7160356
12,410.00	91.21	134.39	4,920.39	-5,026.22	4,930.15	1,900,334.36	534,664.22	36.2227247	-107.7158118
12,501.00	91.31	133.63	4,918.39	-5,089.43	4,995.58	1,900,271.22	534,729.72	36.2225510	-107.7155900
12,592.00	90.40	132.82	4,917.03	-5,151.74	5,061.88	1,900,208.97	534,796.08	36.2223798	-107.7153653
12,683.00	89.66	134.35	4,916.98	-5,214.48	5,127.80	1,900,146.30	534,862.06	36.2222074	-107.7151419
12,774.00	90.74	134.20	4,916.67	-5,278.00	5,192.95	1,900,082.85	534,927.28	36.2220329	-107.7149210
12,865.00	90.80	133.65	4,915.44	-5,341.12	5,258.49	1,900,019.79	534,992.88	36.2218594	-107.7146989
12,956.00	90.67	132.89	4,914.28	-5,403.49	5,324.74	1,899,957.49	535,059.20	36.2216881	-107.7144743
13,048.00	89.50	133.90	4,914.14	-5,466.70	5,391.59	1,899,894.36	535,126.11	36.2215144	-107.7142477
13,139.00	91.61	134.10	4,913.26	-5,529.90	5,457.04	1,899,831.22	535,191.63	36.2213407	-107.7140258
13,230.00	90.48	132.88	4,911.60	-5,592.52	5,523.05	1,899,768.67	535,257.71	36.2211687	-107.7138021

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #748H - Slot A3
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)
Well:	W Lybrook UT #748H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,321.00	87.92	131.78	4,912.87	-5,653.79	5,590.31	1,899,707.47	535,325.03	36.2210003	-107.7135741
13,386.00	88.93	132.54	4,914.66	-5,697.40	5,638.48	1,899,663.91	535,373.24	36.2208805	-107.7134109
RSI @ 13,386' MD - 36.2208805, -107.7134108									
13,412.00	89.33	132.84	4,915.05	-5,715.03	5,657.58	1,899,646.31	535,392.37	36.2208321	-107.7133461
13,451.00	89.43	132.44	4,915.47	-5,741.44	5,686.27	1,899,619.92	535,421.08	36.2207595	-107.7132489
Last SDI Lateral MWD Survey									
13,507.00	89.43	132.44	4,916.03	-5,779.23	5,727.60	1,899,582.17	535,462.44	36.2206556	-107.7131088
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
405.00	404.99	-0.37	-0.62	First SDI Surface MWD Survey
3,999.01	3,921.52	427.59	-560.31	Last SDI Surface MWD Survey
4,090.00	4,012.15	432.21	-566.68	First SDI Curve MWD Survey
5,473.00	4,921.56	-152.04	0.67	7" Casing @5473' MD - 36.2361159, -107.7325240
5,537.00	4,925.57	-196.49	46.55	Last SDI Curve MWD Survey
5,583.00	4,927.58	-227.97	80.02	First SDI Lateral MWD Survey
13,386.00	4,914.66	-5,697.40	5,638.48	RSI @ 13,386' MD - 36.2208805, -107.7134108
13,451.00	4,915.47	-5,741.44	5,686.27	Last SDI Lateral MWD Survey
13,507.00	4,916.03	-5,779.23	5,727.60	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



Company Name: WPX Energy
Project: T23N R9W
Site: W Lybrook 2309-12P
Well: W Lybrook UT #748H



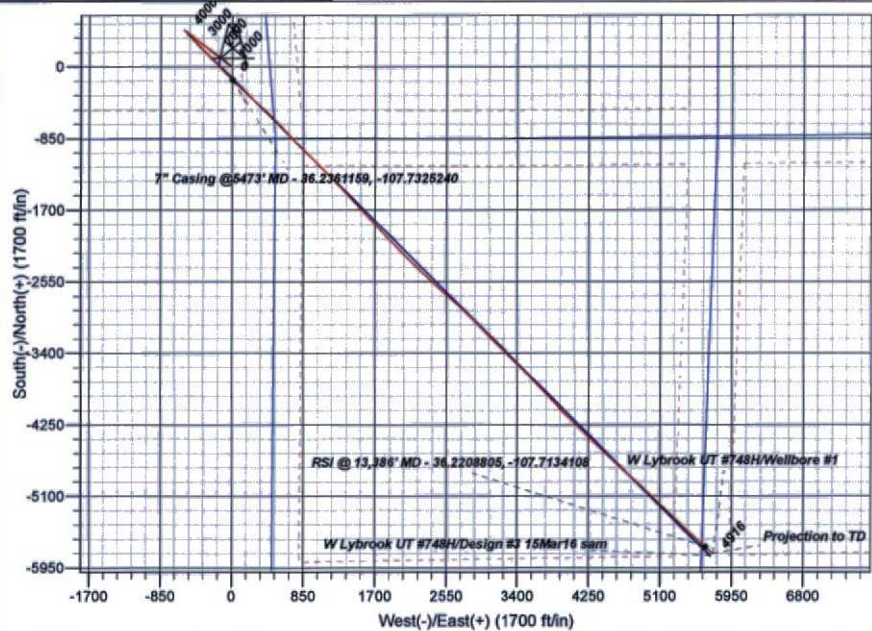
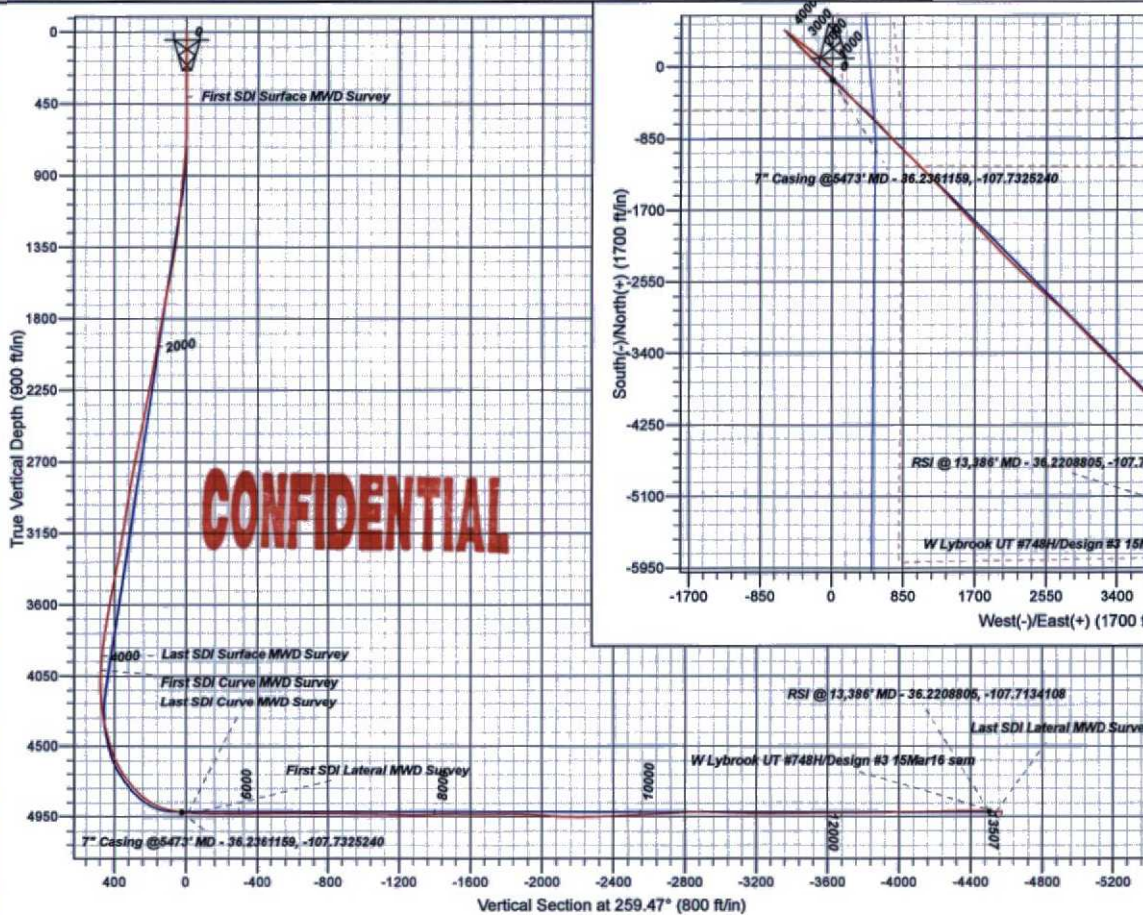
Azimuths to True North
Magnetic North: 9.1°

Magnetic Field
Strength: 49802.5 Gauss
Dip Angle: 62.8°
Date: 3/16/2016
Model: HDG

WELL DETAILS: W Lybrook UT #748H

	+N/-S	+E/-W	GL 6733' & RKB 25' @ 6758.01ft (Aztec 1000)	6733.01		
			Northing	Easting	Latitude	Longitude
	0.00	0.00	1905355.43	529728.85	36.2365336	-107.7325264

A3



Design: Wellbore #1 (W Lybrook UT #748H/Wellbore #1)

Created By: Janie Collins Date: 16:14, March 30 2016

PROJECT DETAILS: T23N R9W

Geodetic System: US State Plane 1927 (Exact solution)

Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

Zone: New Mexico West 3003

System Datum: Mean Sea Level

Local North: True