

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 30-045-35742	*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT	*Well Number 747H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6733'

10 Surface Location

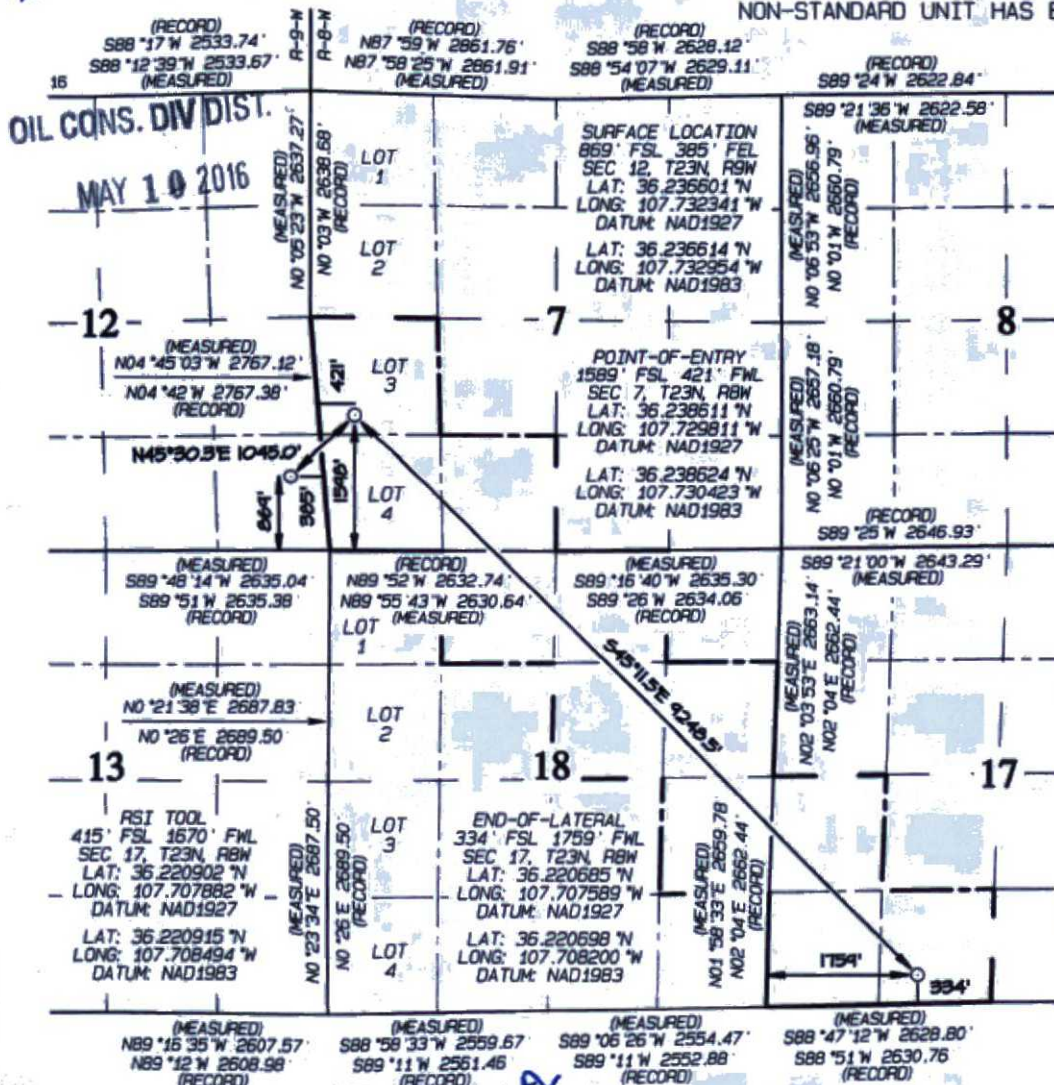
UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
P	12	23N	9W		869	SOUTH	385	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
N	17	23N	8W		334	SOUTH	1759	WEST	SAN JUAN

*Dedicated Acres 439.42 NE/4 NW/4, NW/4 NE/4 S/2 NE/4, NE/4 SE/4 (Section 18) NW/4 SW/4, S/2 SW/4 (Section 17) NW/4 SW/4, S/2 SW/4 (Section 7)	*Joint or Infill	*Consolidation Code	*Order No. R-14051 - 12807.24 Acres
--	------------------	---------------------	---

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

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

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: APRIL 28, 2016
Date of Survey: MAY 18, 2015

Signature and Seal of Professional Surveyor:
JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #747H - Slot A5
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #747H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

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	Latitude:	36.2364886
From:	Map	Easting:	529,692.39 usft	Longitude:	-107.7326501
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.06 °

Well	W Lybrook UT #747H - Slot A5				
Well Position	+N/-S	0.00 usft	Northing:	1,905,380.01 usft	Latitude: 36.2366010
	+E/-W	0.00 usft	Easting:	529,783.49 usft	Longitude: -107.7323410
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 6,733.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/4/2016	9.12	62.88	49,797

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	134.85	

Survey Program	Date 4/25/2016				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
55.00	321.00	Surface Gyro (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
450.00	4,363.00	Survey #2 - Surface MWD (Wellbore #1)	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,409.00	5,584.00	Survey #3 - Curve MWD (Wellbore #1)	SDI MWD	SDI MWD - Standard ver 1.0.1	
5,675.00	14,818.00	Survey #4 - Lateral MWD Survey (Wellbore #1)	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	1,905,380.01	529,783.49	36.2366010	-107.7323410
55.00	0.31	130.68	55.00	-0.10	0.11	1,905,379.92	529,783.60	36.2366007	-107.7323407
85.00	0.61	133.50	85.00	-0.26	0.29	1,905,379.75	529,783.78	36.2366003	-107.7323401
115.00	0.54	124.07	115.00	-0.45	0.52	1,905,379.56	529,784.02	36.2365998	-107.7323393
145.00	0.65	117.12	145.00	-0.61	0.79	1,905,379.41	529,784.28	36.2365993	-107.7323384
175.00	0.82	107.86	174.99	-0.75	1.15	1,905,379.26	529,784.64	36.2365989	-107.7323371
205.00	0.74	105.97	204.99	-0.87	1.54	1,905,379.15	529,785.03	36.2365986	-107.7323358
235.00	0.70	110.99	234.99	-0.99	1.90	1,905,379.03	529,785.39	36.2365983	-107.7323346
265.00	0.64	141.49	264.99	-1.18	2.17	1,905,378.83	529,785.66	36.2365977	-107.7323337

CONFIDENTIAL

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #747H - Slot A5
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #747H	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
295.00	0.45	158.13	294.98	-1.42	2.32	1,905,378.59	529,785.81	36.2365971	-107.7323332
321.00	0.36	173.55	320.98	-1.60	2.37	1,905,378.41	529,785.86	36.2365966	-107.7323330
450.00	2.23	7.96	449.96	0.48	2.76	1,905,380.50	529,786.25	36.2366023	-107.7323317
First SDI Surface MWD Survey									
541.00	4.22	4.27	540.81	5.58	3.25	1,905,385.59	529,786.74	36.2366163	-107.7323300
632.00	6.47	10.47	631.41	13.96	4.44	1,905,393.97	529,787.91	36.2366393	-107.7323260
723.00	8.32	7.42	721.65	25.53	6.22	1,905,405.55	529,789.68	36.2366711	-107.7323200
814.00	9.85	2.89	811.50	39.83	7.46	1,905,419.85	529,790.91	36.2367104	-107.7323157
905.00	10.89	2.48	901.02	56.19	8.22	1,905,436.22	529,791.66	36.2367554	-107.7323131
996.00	11.09	7.28	990.35	73.46	9.71	1,905,453.49	529,793.12	36.2368028	-107.7323081
1,086.00	11.83	4.45	1,078.55	91.25	11.52	1,905,471.27	529,794.91	36.2368517	-107.7323020
1,177.00	11.89	5.50	1,167.61	109.88	13.14	1,905,489.91	529,796.52	36.2369028	-107.7322965
1,268.00	12.64	4.22	1,256.53	129.14	14.77	1,905,509.17	529,798.13	36.2369558	-107.7322909
1,359.00	14.77	5.12	1,344.94	150.63	16.54	1,905,530.66	529,799.87	36.2370148	-107.7322850
1,450.00	16.89	6.33	1,432.48	175.32	18.03	1,905,555.35	529,802.34	36.2370826	-107.7322765
1,541.00	17.26	4.89	1,519.47	201.91	21.64	1,905,581.95	529,804.92	36.2371557	-107.7322677
1,631.00	18.48	3.07	1,605.13	229.46	23.54	1,905,609.50	529,806.80	36.2372313	-107.7322612
1,722.00	20.42	2.50	1,690.93	259.72	25.01	1,905,639.76	529,808.23	36.2373145	-107.7322562
1,813.00	20.12	7.60	1,776.30	291.10	27.77	1,905,671.14	529,810.96	36.2374007	-107.7322469
1,905.00	21.58	7.41	1,862.28	323.56	32.05	1,905,703.61	529,815.20	36.2374899	-107.7322324
1,996.00	21.21	6.25	1,947.00	356.52	36.00	1,905,736.57	529,819.12	36.2375804	-107.7322190
2,087.00	20.71	8.81	2,031.98	388.79	40.25	1,905,768.84	529,823.34	36.2376690	-107.7322045
2,177.00	21.39	9.59	2,115.98	420.70	45.42	1,905,800.76	529,828.48	36.2377567	-107.7321870
2,268.00	21.75	7.53	2,200.61	453.78	50.40	1,905,833.84	529,833.42	36.2378476	-107.7321701
2,359.00	22.48	7.83	2,284.91	487.73	54.98	1,905,867.80	529,837.96	36.2379408	-107.7321546
2,450.00	21.81	8.52	2,369.20	521.68	59.85	1,905,901.75	529,842.80	36.2380341	-107.7321381
2,540.00	21.96	8.38	2,452.71	554.86	64.78	1,905,934.94	529,847.70	36.2381253	-107.7321214
2,632.00	21.25	8.52	2,538.25	588.37	69.76	1,905,968.45	529,852.64	36.2382173	-107.7321045
2,723.00	21.31	8.71	2,623.04	621.02	74.71	1,906,001.11	529,857.55	36.2383070	-107.7320877
2,814.00	20.64	6.70	2,708.01	653.30	79.08	1,906,033.39	529,861.89	36.2383957	-107.7320729
2,905.00	20.65	7.53	2,793.17	685.13	83.06	1,906,065.23	529,866.83	36.2384832	-107.7320594
2,996.00	20.83	6.96	2,878.27	717.10	87.12	1,906,097.20	529,869.86	36.2385710	-107.7320456
3,087.00	21.18	5.76	2,963.23	749.52	90.73	1,906,129.63	529,873.44	36.2386600	-107.7320334
3,178.00	21.17	4.98	3,048.08	782.24	93.81	1,906,162.35	529,876.48	36.2387499	-107.7320229
3,269.00	20.28	4.61	3,133.19	814.33	96.50	1,906,194.45	529,879.14	36.2388381	-107.7320138
3,361.00	20.30	2.76	3,219.49	846.17	98.55	1,906,226.28	529,881.16	36.2389255	-107.7320069
3,451.00	19.54	3.69	3,304.10	876.78	100.27	1,906,256.90	529,882.85	36.2390096	-107.7320010
3,543.00	19.69	6.43	3,390.76	907.54	103.00	1,906,287.66	529,885.54	36.2390941	-107.7319918
3,634.00	18.60	6.39	3,476.73	937.19	106.33	1,906,317.32	529,888.84	36.2391756	-107.7319805
3,725.00	19.65	6.77	3,562.71	966.81	109.75	1,906,346.94	529,892.23	36.2392570	-107.7319689
3,816.00	19.70	7.93	3,648.39	997.20	113.67	1,906,377.33	529,896.12	36.2393404	-107.7319556
3,907.00	20.40	9.75	3,733.88	1,028.02	118.47	1,906,408.16	529,900.89	36.2394251	-107.7319393
3,998.00	19.57	12.35	3,819.40	1,058.54	124.42	1,906,438.68	529,906.80	36.2395090	-107.7319191
4,089.00	16.90	11.32	3,905.82	1,086.40	130.27	1,906,466.55	529,912.63	36.2395855	-107.7318993
4,181.00	14.27	18.23	3,994.44	1,110.29	136.45	1,906,490.44	529,918.78	36.2396511	-107.7318783
4,272.00	13.45	17.99	4,039.10	1,120.76	139.87	1,906,500.92	529,922.20	36.2396799	-107.7318667
4,272.00	11.69	18.97	4,083.02	1,130.05	142.97	1,906,510.21	529,925.28	36.2397054	-107.7318562
4,318.00	10.73	20.19	4,128.14	1,138.48	145.96	1,906,518.64	529,928.27	36.2397286	-107.7318461
4,363.00	8.57	26.44	4,172.50	1,145.41	148.90	1,906,525.58	529,931.20	36.2397476	-107.7318361
Last SDI Surface MWD Survey									
4,409.00	9.58	47.96	4,217.94	1,151.05	153.27	1,906,531.22	529,935.56	36.2397631	-107.7318213
First SDI Curve MWD Survey									
4,454.00	11.08	63.44	4,262.22	1,155.49	159.92	1,906,535.67	529,942.21	36.2397753	-107.7317987
4,500.00	12.49	78.73	4,307.26	1,158.44	168.76	1,906,538.63	529,951.04	36.2397834	-107.7317688
4,546.00	14.71	88.04	4,351.97	1,159.61	179.48	1,906,539.81	529,961.76	36.2397866	-107.7317324

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #747H - Slot A5
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #747H	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
4,591.00	17.23	92.70	4,395.23	1,159.49	191.84	1,906,539.71	529,974.13	36.2397863	-107.7316905
4,637.00	19.24	95.73	4,438.92	1,158.42	206.19	1,906,538.64	529,988.48	36.2397833	-107.7316418
4,682.00	21.63	101.67	4,481.09	1,156.00	221.70	1,906,536.24	530,003.98	36.2397767	-107.7315893
4,728.00	25.53	103.78	4,523.24	1,151.92	239.63	1,906,532.18	530,021.93	36.2397655	-107.7315284
4,773.00	29.46	107.64	4,563.15	1,146.25	259.61	1,906,526.54	530,041.90	36.2397499	-107.7314607
4,819.00	32.80	109.31	4,602.53	1,138.70	282.15	1,906,519.01	530,064.46	36.2397292	-107.7313843
4,864.00	35.35	114.59	4,639.80	1,129.25	305.50	1,906,509.58	530,087.82	36.2397032	-107.7313051
4,910.00	37.45	118.76	4,676.83	1,116.98	329.87	1,906,497.34	530,112.20	36.2396895	-107.7312224
4,956.00	39.66	123.26	4,712.81	1,102.20	354.41	1,906,482.58	530,136.75	36.2396289	-107.7311392
5,001.00	42.55	124.64	4,746.72	1,085.67	378.94	1,906,466.08	530,161.30	36.2395835	-107.7310560
5,047.00	48.97	128.07	4,778.80	1,066.11	405.43	1,906,446.54	530,187.81	36.2395297	-107.7309662
5,092.00	55.12	131.29	4,806.46	1,043.44	432.69	1,906,423.90	530,215.10	36.2394675	-107.7308738
5,138.00	57.17	131.46	4,832.09	1,018.19	461.36	1,906,398.68	530,243.79	36.2393981	-107.7307766
5,184.00	59.88	131.40	4,856.11	992.23	490.77	1,906,372.75	530,273.23	36.2393268	-107.7306768
5,228.00	65.87	132.68	4,876.16	966.01	519.83	1,906,346.56	530,302.31	36.2392547	-107.7305783
5,274.00	68.62	135.67	4,893.95	936.45	550.24	1,906,317.03	530,332.75	36.2391735	-107.7304752
5,320.00	72.90	135.68	4,909.11	905.39	580.58	1,906,286.00	530,363.13	36.2390882	-107.7303723
5,365.00	76.76	136.06	4,920.88	874.22	610.81	1,906,254.87	530,393.39	36.2390026	-107.7302698
5,411.00	79.23	136.03	4,930.45	841.83	642.04	1,906,222.51	530,424.65	36.2389136	-107.7301639
5,456.00	80.64	135.77	4,938.31	810.01	672.87	1,906,190.72	530,455.52	36.2388262	-107.7300593
5,502.00	82.83	136.12	4,944.92	777.30	704.53	1,906,158.04	530,487.21	36.2387363	-107.7299520
5,519.00	84.93	136.97	4,946.74	765.03	716.15	1,906,145.79	530,498.84	36.2387026	-107.7299126
5,564.00	88.00	138.95	4,949.51	731.68	746.22	1,906,112.47	530,528.95	36.2386110	-107.7298106
7" Casing @ 5564' MD - 36.2386110, -107.7298106									
5,584.00	89.36	139.82	4,949.97	716.50	759.24	1,906,097.30	530,541.98	36.2385693	-107.7297665
Last SDI Curve MWD Survey									
5,675.00	89.40	138.19	4,950.96	647.82	818.93	1,906,028.69	530,601.74	36.2383806	-107.7295641
First SDI Lateral MWD Survey									
5,766.00	88.86	137.99	4,952.34	580.11	879.71	1,905,961.04	530,662.59	36.2381946	-107.7293580
5,858.00	89.46	137.97	4,953.69	511.77	941.28	1,905,892.76	530,724.24	36.2380069	-107.7291492
5,949.00	89.53	137.40	4,954.49	444.48	1,002.54	1,905,825.54	530,785.57	36.2378220	-107.7289415
6,040.00	89.33	137.50	4,955.40	377.45	1,064.08	1,905,758.57	530,847.17	36.2376378	-107.7287328
6,131.00	89.50	137.56	4,956.33	310.33	1,125.52	1,905,691.51	530,908.68	36.2374534	-107.7285245
6,222.00	89.40	136.76	4,957.20	243.60	1,187.39	1,905,624.85	530,970.63	36.2372701	-107.7283147
6,313.00	90.13	136.35	4,957.57	177.53	1,249.96	1,905,558.85	531,033.27	36.2370886	-107.7281025
6,404.00	90.10	136.22	4,957.39	111.76	1,312.85	1,905,493.14	531,096.23	36.2369079	-107.7278893
6,495.00	89.53	135.41	4,957.68	46.51	1,376.28	1,905,427.95	531,159.72	36.2367287	-107.7276742
6,586.00	90.07	134.48	4,958.00	-17.78	1,440.68	1,905,363.74	531,224.19	36.2365521	-107.7274559
6,677.00	91.55	135.00	4,956.71	-81.82	1,505.31	1,905,299.76	531,288.89	36.2363761	-107.7272367
6,768.00	91.78	135.10	4,954.07	-146.20	1,569.58	1,905,235.45	531,353.22	36.2361992	-107.7270188
6,859.00	91.14	134.66	4,951.75	-210.39	1,634.04	1,905,171.33	531,417.75	36.2360229	-107.7268003
6,950.00	91.28	134.91	4,949.83	-274.48	1,698.61	1,905,107.30	531,482.39	36.2358468	-107.7265813
7,041.00	90.74	134.46	4,948.23	-338.46	1,763.30	1,905,043.39	531,547.14	36.2356710	-107.7263620
7,132.00	90.40	134.03	4,947.32	-401.95	1,828.48	1,904,979.97	531,612.39	36.2354966	-107.7261410
7,224.00	90.47	134.16	4,946.62	-465.97	1,894.55	1,904,916.02	531,678.53	36.2353207	-107.7259169
7,315.00	89.33	133.57	4,946.78	-529.02	1,960.16	1,904,853.03	531,744.20	36.2351475	-107.7256945
7,406.00	90.13	133.29	4,947.21	-591.58	2,026.25	1,904,790.54	531,810.35	36.2349756	-107.7254704
7,497.00	88.76	134.17	4,948.09	-654.48	2,092.00	1,904,727.71	531,876.17	36.2348028	-107.7252475
7,588.00	88.59	133.02	4,950.20	-717.21	2,157.88	1,904,665.05	531,942.12	36.2346305	-107.7250241
7,679.00	88.99	132.58	4,952.12	-779.03	2,224.64	1,904,603.30	532,008.94	36.2344606	-107.7247978
7,770.00	89.26	132.07	4,953.51	-840.30	2,291.91	1,904,542.11	532,076.28	36.2342923	-107.7245697
7,861.00	89.90	134.08	4,954.17	-902.44	2,358.38	1,904,480.03	532,142.81	36.2341216	-107.7243443
7,952.00	90.67	134.17	4,953.72	-965.79	2,423.70	1,904,416.74	532,208.19	36.2339475	-107.7241228
8,043.00	89.90	133.82	4,953.27	-1,029.00	2,489.16	1,904,353.61	532,273.72	36.2337739	-107.7239009
8,135.00	90.13	133.14	4,953.24	-1,092.31	2,555.92	1,904,290.37	532,340.55	36.2335999	-107.7236746

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #747H - Slot A5
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #747H	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
8,226.00	90.03	132.44	4,953.12	-1,154.12	2,622.70	1,904,228.62	532,407.39	36.2334301	-107.7234481
8,317.00	90.50	132.09	4,952.70	-1,215.33	2,690.04	1,904,167.49	532,474.80	36.2332620	-107.7232198
8,408.00	90.22	132.43	4,952.12	-1,276.52	2,757.39	1,904,106.37	532,542.21	36.2330938	-107.7229915
8,499.00	89.97	133.66	4,951.97	-1,338.63	2,823.89	1,904,044.32	532,608.78	36.2329232	-107.7227660
8,591.00	91.24	134.16	4,951.00	-1,402.43	2,890.16	1,903,980.59	532,675.12	36.2327479	-107.7225413
8,682.00	89.97	134.96	4,950.04	-1,466.28	2,955.00	1,903,916.81	532,740.02	36.2325725	-107.7223215
8,773.00	89.50	136.32	4,950.46	-1,531.34	3,018.62	1,903,851.82	532,803.71	36.2323937	-107.7221058
8,864.00	88.83	135.64	4,951.79	-1,596.77	3,081.85	1,903,786.46	532,867.00	36.2322140	-107.7218914
8,955.00	88.46	134.92	4,953.94	-1,661.41	3,145.86	1,903,721.88	532,931.08	36.2320364	-107.7216744
9,046.00	91.78	135.83	4,953.75	-1,726.17	3,209.78	1,903,657.19	532,995.07	36.2318585	-107.7214577
9,137.00	91.11	137.01	4,951.46	-1,792.07	3,272.49	1,903,591.36	533,057.84	36.2316774	-107.7212451
9,228.00	89.80	135.38	4,950.73	-1,857.73	3,335.47	1,903,525.75	533,120.90	36.2314970	-107.7210316
9,319.00	88.49	134.10	4,952.09	-1,921.78	3,400.10	1,903,461.78	533,185.59	36.2313210	-107.7208125
9,410.00	90.17	134.04	4,953.15	-1,985.07	3,465.48	1,903,398.56	533,251.03	36.2311471	-107.7205908
9,501.00	90.30	135.03	4,952.78	-2,048.89	3,530.34	1,903,334.81	533,315.97	36.2309718	-107.7203709
9,592.00	91.84	136.82	4,951.08	-2,114.25	3,593.63	1,903,269.51	533,379.32	36.2307922	-107.7201564
9,683.00	91.54	136.20	4,948.40	-2,180.24	3,656.23	1,903,203.58	533,441.99	36.2306109	-107.7199442
9,773.00	91.48	135.93	4,946.03	-2,245.03	3,718.65	1,903,138.86	533,504.48	36.2304329	-107.7197325
9,864.00	91.07	135.59	4,944.00	-2,310.21	3,782.12	1,903,073.75	533,568.02	36.2302538	-107.7195173
9,954.00	89.83	134.08	4,943.29	-2,373.66	3,845.94	1,903,010.36	533,631.90	36.2300795	-107.7193010
10,045.00	90.54	134.40	4,943.00	-2,437.14	3,911.13	1,902,946.95	533,697.16	36.2299050	-107.7190800
10,137.00	90.64	134.18	4,942.05	-2,501.38	3,976.99	1,902,882.78	533,763.08	36.2297285	-107.7188567
10,228.00	90.10	133.03	4,941.47	-2,564.14	4,042.88	1,902,820.09	533,829.04	36.2295561	-107.7186334
10,319.00	90.77	133.45	4,940.78	-2,626.48	4,109.17	1,902,757.82	533,895.39	36.2293848	-107.7184086
10,409.00	89.56	132.06	4,940.52	-2,687.57	4,175.25	1,902,696.79	533,961.54	36.2292170	-107.7181846
10,500.00	89.80	133.74	4,941.02	-2,749.52	4,241.91	1,902,634.92	534,028.26	36.2290468	-107.7179586
10,591.00	90.57	133.63	4,940.73	-2,812.37	4,307.71	1,902,572.13	534,094.13	36.2288741	-107.7177355
10,682.00	91.04	133.63	4,939.45	-2,875.15	4,373.57	1,902,509.42	534,160.06	36.2287016	-107.7175123
10,774.00	90.50	132.47	4,938.22	-2,937.95	4,440.79	1,902,446.69	534,227.34	36.2285290	-107.7172844
10,865.00	88.93	134.59	4,938.67	-3,000.62	4,506.76	1,902,384.09	534,293.38	36.2283569	-107.7170607
10,955.00	88.96	133.81	4,940.33	-3,063.35	4,571.27	1,902,321.43	534,357.96	36.2281845	-107.7168421
11,046.00	89.50	133.63	4,941.55	-3,126.24	4,637.04	1,902,258.61	534,423.78	36.2280117	-107.7166191
11,136.00	89.23	132.85	4,942.55	-3,187.89	4,702.60	1,902,197.03	534,489.41	36.2278423	-107.7163969
11,228.00	91.61	135.44	4,941.87	-3,251.95	4,768.60	1,902,133.03	534,555.48	36.2276663	-107.7161731
11,318.00	91.07	135.17	4,939.77	-3,315.91	4,831.88	1,902,069.14	534,618.83	36.2274906	-107.7159586
11,409.00	90.13	135.16	4,938.81	-3,380.44	4,896.04	1,902,004.68	534,683.05	36.2273133	-107.7157411
11,500.00	89.83	134.03	4,938.85	-3,444.33	4,960.84	1,901,940.86	534,747.92	36.2271377	-107.7155215
11,592.00	90.30	133.47	4,938.74	-3,507.95	5,027.30	1,901,877.31	534,814.44	36.2269629	-107.7152962
11,681.00	90.60	132.97	4,938.04	-3,568.89	5,092.15	1,901,816.43	534,879.36	36.2267955	-107.7150763
11,772.00	90.74	132.06	4,936.98	-3,630.38	5,159.22	1,901,755.01	534,946.49	36.2266265	-107.7148490
11,863.00	90.94	131.15	4,935.64	-3,690.80	5,227.26	1,901,694.66	535,014.59	36.2264605	-107.7146183
11,953.00	90.84	132.46	4,934.25	-3,750.78	5,294.34	1,901,634.75	535,081.73	36.2262957	-107.7143909
12,044.00	91.01	133.38	4,932.78	-3,812.74	5,360.97	1,901,572.86	535,148.43	36.2261254	-107.7141651
12,135.00	90.10	133.96	4,931.90	-3,875.58	5,426.79	1,901,510.09	535,214.31	36.2259528	-107.7139420
12,224.00	90.03	135.64	4,931.79	-3,938.29	5,489.93	1,901,447.45	535,277.53	36.2257805	-107.7137279
12,315.00	90.84	135.20	4,931.10	-4,003.10	5,553.81	1,901,382.70	535,341.47	36.2256024	-107.7135114
12,406.00	91.37	137.70	4,929.35	-4,069.04	5,618.49	1,901,316.83	535,404.22	36.2254212	-107.7132989
12,497.00	91.94	136.90	4,926.72	-4,135.89	5,678.17	1,901,250.05	535,465.97	36.2252375	-107.7130898
12,588.00	90.47	137.89	4,924.81	-4,202.85	5,739.76	1,901,183.15	535,527.63	36.2250535	-107.7128811
12,679.00	89.80	139.27	4,924.59	-4,271.09	5,799.96	1,901,114.97	535,587.90	36.2248660	-107.7126770
12,770.00	89.80	138.70	4,924.91	-4,339.75	5,859.68	1,901,046.37	535,647.69	36.2246774	-107.7124746
12,861.00	89.97	138.04	4,925.09	-4,407.76	5,920.13	1,900,978.42	535,708.21	36.2244905	-107.7122697
12,952.00	88.62	137.26	4,926.21	-4,475.01	5,981.43	1,900,911.24	535,769.58	36.2243057	-107.7120619
13,043.00	92.52	138.02	4,925.31	-4,542.24	6,042.73	1,900,844.08	535,830.95	36.2241210	-107.7118541
13,134.00	92.31	137.20	4,921.47	-4,609.39	6,104.02	1,900,776.99	535,892.31	36.2239365	-107.7116464

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #747H - Slot A5
Project:	T23N R9W	TVD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #747H	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
13,225.00	91.48	136.75	4,918.46	-4,675.87	6,166.08	1,900,710.57	535,954.44	36.2237538	-107.7114360
13,316.00	90.47	135.64	4,916.91	-4,741.54	6,229.06	1,900,644.97	536,017.49	36.2235734	-107.7112226
13,407.00	89.70	134.52	4,916.78	-4,805.97	6,293.31	1,900,580.60	536,081.81	36.2233963	-107.7110048
13,499.00	89.60	133.91	4,917.34	-4,870.13	6,359.25	1,900,516.51	536,147.81	36.2232201	-107.7107813
13,590.00	89.53	134.00	4,918.03	-4,933.29	6,424.76	1,900,453.42	536,213.39	36.2230465	-107.7105592
13,681.00	89.90	132.54	4,918.49	-4,995.66	6,491.01	1,900,391.12	536,279.71	36.2228751	-107.7103346
13,772.00	92.18	132.73	4,916.83	-5,057.28	6,557.95	1,900,329.57	536,346.70	36.2227058	-107.7101078
13,863.00	92.45	133.05	4,913.16	-5,119.17	6,624.56	1,900,267.75	536,413.39	36.2225357	-107.7098820
13,954.00	91.58	134.71	4,909.96	-5,182.20	6,690.11	1,900,204.79	536,479.00	36.2223625	-107.7096598
14,046.00	90.84	136.12	4,908.01	-5,247.71	6,754.68	1,900,139.35	536,543.63	36.2221825	-107.7094409
14,137.00	91.61	135.72	4,906.07	-5,313.06	6,817.97	1,900,074.06	536,606.99	36.2220030	-107.7092264
14,228.00	90.24	135.86	4,904.60	-5,378.28	6,881.41	1,900,008.90	536,670.50	36.2218237	-107.7090114
14,319.00	89.13	136.68	4,905.10	-5,444.04	6,944.31	1,899,943.22	536,733.47	36.2216431	-107.7087982
14,410.00	89.33	135.67	4,906.32	-5,509.68	7,007.32	1,899,877.64	536,796.55	36.2214627	-107.7085846
14,502.00	89.93	135.32	4,906.92	-5,575.29	7,071.81	1,899,812.09	536,861.10	36.2212824	-107.7083661
14,593.00	90.13	134.19	4,906.87	-5,639.36	7,136.43	1,899,748.09	536,925.79	36.2211063	-107.7081470
14,684.00	89.97	133.15	4,906.79	-5,702.20	7,202.25	1,899,685.32	536,991.68	36.2209337	-107.7079239
14,701.00	90.09	132.97	4,906.78	-5,713.81	7,214.67	1,899,673.73	537,004.11	36.2209018	-107.7078818
RSI @ 14,701' MD - 36.2209018, -107.7078818									
14,762.00	90.54	132.31	4,906.44	-5,755.12	7,259.54	1,899,632.46	537,049.03	36.2207882	-107.7077297
Last SDI Lateral MWD Survey									
14,818.00	90.54	132.31	4,905.92	-5,792.82	7,300.95	1,899,594.81	537,090.48	36.2206847	-107.7075894
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
450.00	449.96	0.48	2.76	First SDI Surface MWD Survey
4,363.00	4,172.50	1,145.41	148.90	Last SDI Surface MWD Survey
4,409.00	4,217.94	1,151.05	153.27	First SDI Curve MWD Survey
5,564.00	4,949.51	731.68	746.22	7" Casing @ 5564' MD
5,564.00	4,949.51	731.68	746.22	36.2386110, -107.7298106
5,584.00	4,949.97	716.50	759.24	Last SDI Curve MWD Survey
5,675.00	4,950.96	647.82	818.93	First SDI Lateral MWD Survey
14,701.00	4,906.78	-5,713.81	7,214.67	RSI @ 14,701' MD
14,701.00	4,906.78	-5,713.81	7,214.67	36.2209018, -107.7078818
14,762.00	4,906.44	-5,755.12	7,259.54	Last SDI Lateral MWD Survey
14,818.00	4,905.92	-5,792.82	7,300.95	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



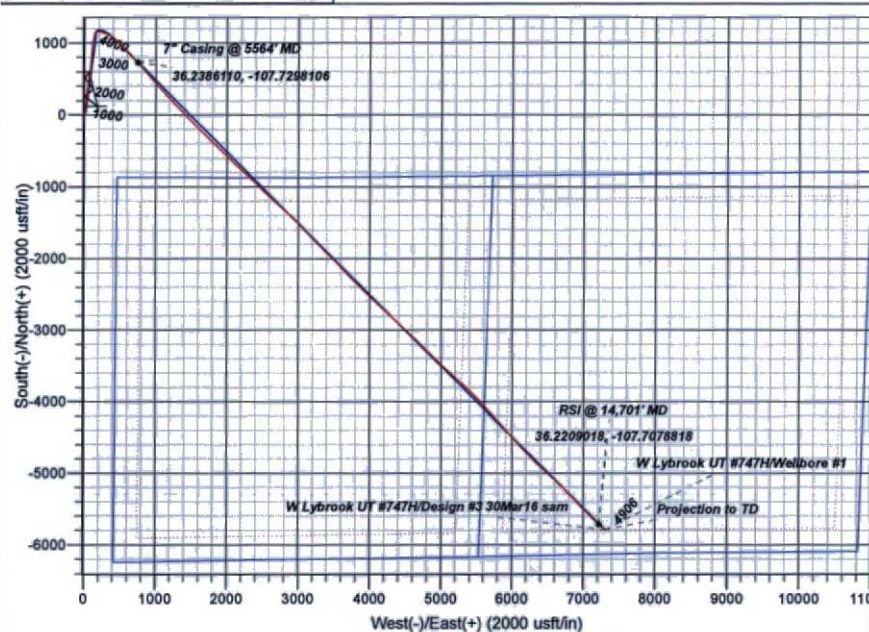
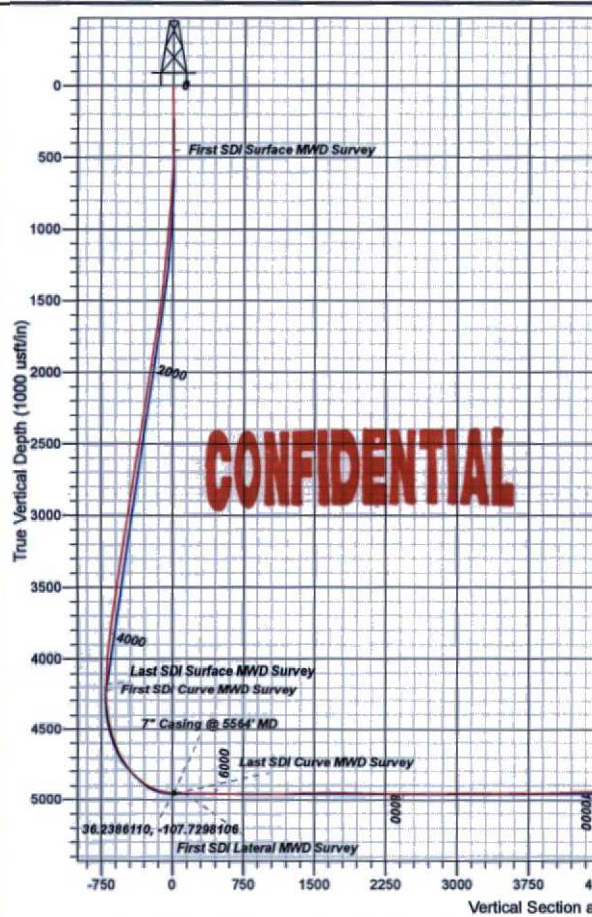
Company Name: WPX Energy
Project: T23N R9W
Site: W Lybrook 2309-12P
Well: W Lybrook UT #747H



Azimuths to True No
Magnetic North: 9:
Magnetic FI
Strength: 49796.8
Dip Angle: 62:
Date: 4/4/2
Model: HD

WELL DETAILS: W Lybrook UT #747H

+N/-S	+E/-W	GL 6733' & RKB 25' @ 6758.00usft (Aztec 1000)	6733.00			
		Northing	Easting	Latitude	Longitude	
0.00	0.00	1905380.01	529783.49	36.2366010	-107.7323410	A5



Design: Wellbore #1 (W Lybrook UT #747H/Wellbore #
Created By: Janie Collins Date: 11:08, April 25 201
PROJECT DETAILS: T23N R9W
Geodetic System: US State Plane 1927 (Exact solut
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level
Local North: True