State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

Tony Delfin Acting Cabinet Secretary David R. Catanach, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 4-7-10
Well information;
Operator WPX, Well Name and Number Wybrook Unit #
API#30048: 3516, Section 33, Township 23 N/S, Range E(W)
Conditions of Approval: (See the below checked and handwritten conditions)
Notify Aztec OCD 24hrs prior to casing & cement.
Hold C-104 for directional survey & "As Drilled" Plat
Hold C-104 for NSI), NSP, DHC
 Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
 Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
 Submit Gas Capture Plan form prior to spudding or initiating recompletion operations
Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.
Clarker 12- 0 2011
NMOCD Approved by Signature 12-8-20/6 Date
INDICATE ACCOUNTS AND

Form 3160-3 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

APR 08 2016

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

This action is subject to technical

and procedural review pursuant to

43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

5. Lease Serial No.

٠,	Lieuse	o crimi	110.
	NO-G-	1312-1	863

6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER ington Field Office

la. Type of Work: DRILL REENTER	Survey of Land		7. If Unit or CA Agreemen	t, Name and No.
_		-	NMNM 133613X 8. Lease Name and Well No) 29 1 PV
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other	Single Zone	ple Zone	W. Lybrook Unit #7601	
2. Name of Operator			9. API Well No.	^
WPX Energy Production, LLC	21 DL 37 6 L L		30-045- 35/10	0' 1
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Explo	ratory
P.O. Box 640 Aztec, NM 87410 4. Location of Well (Report location clearly and in accordance with any secondary).	(505) 333-1808 State requirements *)		Lybrook Mancos W 11. Sec., T., R., M., or Blk.	and Survey or Area
At surface 548' FSL & 568' FWL, sec 23, T23N, R9W	situe requirements.		SHL: Sec 23, T23N, R9	
At proposed prod. zone 330' FSL & 752' FWL, sec 25 T23N, R9W	1		BHL: Sec 25, T23N, R9	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State
From intersection US Hwy & 550 US Hwy 64 in Bloomfield NM,	South 37.8 miles to Mile Marker 113.4	4	San Juan	NM
15. Distance from proposed* location to nearest	16. No. of Acres in lease	17. Spacing	Unit dedicated to this well	
property or lease line, ft. (Also to nearest drig. unit line, if any) 548	160 Acres	3460-Acr	res / 12,807.24 Acres OIL	CONS. DIV DIST. 3
 Distance from proposed location* to nearest well, drilling, completed. 	19. Proposed Depth	20. BLM/BI		
applied for, on this lease, ft.	12850' MD / 4603' TVD	B001576	9	DEC 01 2016
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will st	art*	23. Estimated duration	
6748' GR	May 1, 2016		1 month	
	24. Attachments			
The following, completed in accordance with the requirements of Onshore	e Oil and Gas Order No.1, shall be atta	ched to this fo	orm:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System I SUPO shall be filed with the appropriate Forest Service Office). 	Item 20 above). 5. Operator certifica	ition.	unless covered by an existing mation and/or plans as may	
got o shall be free with the appropriate freest service office).	authorized office			
25. Signature Way Way	Name (Printed/Typed) Marie E. Jaramillo		Date 4/7/1	
Permit Technician III Approved by (Signature) Approved by (Signature)	Name (Printed/Typed)		Date	1/28//4
Title 1EM	Office TTO		-	,
Application approval does not warrant or certify that the applicant holds le operations thereon. Conditions of approval, if any, are attached.	egal or equitable title to those rights in	the subject le	ase which would entitle the a	pplicant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as to		willfully to r	make to any department or ag	gency of the United
*(Instructions on reverse) WPX Energy Production, LLC, proposes to develop the Lybrook Mancos use plans.		location in acc	cordance with the attached dr	illing and surface
The well pad surface is under jurisdiction of IA and is on lease and will be	e twinned with the W. Lybrook Unit #	#726H/728H/	729H/759H & 761H.	
This location has been archaeologically surveyed by Western Archeologically	cal Consultants. Copies of their report	have been su	bmitted directly to the BLM.	
The new access of 21.1' of BLM & new access of 4584.3' of Navajo Allo	otted is on lease access road will be bu	uilt and permit	tted via the APD.	
A new pipeline of 68.3' of BLM & new pipeline of 4839.4' of Navajo Al	lotted is on lease well connect pipelin		and permitted via the APD.	

AUTHORIZED ARE SHEJECT TO

COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"



ACTION DOES NOT RELIEVE THE LESSEE AND

OPERATOR FROM OBTAINING ANY OTHER

made de District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-5161 Fax: (575) 393-0720 District II 811 S. First Street, Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 1, 2011 Submit one copy to Appropriate District Office

District III 1000 Rio Brazos Road, Aztec NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

AMENDED REPORT

District IV 1220 S. St. Francis Drive, Santa Fe, NM B7505 Phone: (505) 476-3460 Fax: (505) 476-3462

(MEASURED) N89 "55" 48" W 2640.96 N89 "55" W 2640.00 (RECORD)

(MEASURED) N89 "57" 16"W 2641.55

N89 *55 W 2640.00 (RECORD)

WELL LOCATION AND ACREAGE DEDICATION PLAT 'API Number LYBROOK MANCOS W 98157 Well Number Property Code Property Name 315250 W LYBROOK UNIT 760H OGRID No Elevation Operator Name 120782 WPX ENERGY PRODUCTION, LLC 6748 10 Surface Location III. or lot no. Section 23 23N 9W 548 SOUTH 568 WES1 SAN JUAN Bottom Hole Location If Different From Surface 752 23N SAN JUAN 25 9W 330 SOUTH WEST hint or Infill Consolidation Co SW/4 Section 23 SW/4 R-14051 -12,807.24 Acres 360.0 SW/4 SW/4 Section 25 N/2 NW/4, SE/4 NW/4, SW/4 NE/4 N/2 SE/4, SE/4 SE/4 - Section 26 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 (RECORD) NB9 *55 W 2641.32 (RECORD) N89 *58 W 2643.96 (RECORD) NB9 *12 W 2608.98 (RECORD) N89 12 W 2608.98 \$89 57 22 W 2640.63 (MEASURED) S89 '56 '03'W 2640.91 (MEASURED) N89 17 31 W 2608.7 (MEASURED) 189 *16 35 W 2607.57 (MEASURED) SURFACE LOCATION 548: FSL 568' FWL SEC 23, T23N, R9W LAT: 36-206644'N LONG: 107.764565' W DATUM: NAD1927 Thereby 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 of a compullory pooling order therefore entered by the division.

4/7/16 "OPERATOR CERTIFICATION (MEASURED) 56 W 2629.91 NO DO W LAT: 36.206658 'N LONG: 107.765179 'W DATUM: NAD1983 0F. ON (SURED) (MEASURED) S89 "51"35"W 2623.23 . 69 S89 *54 W 2623.17 (RECORD) (MEASURED) FECORD) Marie E. Jaramillo marie.jaramillo@wpxenergy.com (RECORD) NB9 '30 W 2624.15 IB 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 N89 "34" 18" W 2624.69 (MEASURED) (MEASURED) 589 '50 '32 'W 2622.50 (MEASURED) 2 N89 '33 '31 'W 2624.58' S89 '54 W 2623.17' N89 *30 W 2624.16 2633.40 2632.63 END-OF-LATERAL 330: FSL 752: FM SEC 25, 723N, RSN LAT: 36.191551 N LONG: 107.746263 1 DATUM: NAD1927 2641.65 2641.65 2642.25 03 W 2623.83 Date Revised: FEBRUARY 4, 2016 Survey Date: SEPTEMBER 10, 2015 20E Signature and Seal of Professional Surveyor LAT: 35.191564 N LONG: 107.746875 W DATUM: NAD1983 SON C. EDWARD S SH MEXIC E 2633.49" POINT-OF-ENTRY 487 FSL 509 FWL SEC 23, T23N, RSW LAT: 36.206479 N LONG: 107.764765 W DATUM: NAD1927 (NEASURED) NO 17 38 E 2641.75 15269 NO '03 W 2623.83 (RECORD) (MEASUPED) NO '06 '58 W 2624. NO 20 E 2641.65 (RECORD) PAGESSTONA LAT: 36.206492 *N LONG: 107.765379 *W DATUM: NAD1983 ASON DWARDS

(NEASURED) NB9 '57 '05 W 2644,69' NB9 '56 W 2643,30' (RECORD)

(MEASURED) NB9 "57" 29" W 2642,59 NB9 "56 W 2643,30" (RECORD)

Certificate Number

15269



WPX Energy

Operations Plan

(Note: This procedure will be adjusted onsite based upon actual conditions)

Date:

April 14, 2016

Field:

Lybrook Mancos W

Well Name:

W Lybrook Unit 760H

Surface:

SH Location:

SWSW Sec 23 23N-09W

Elevation: 6748' GR

Minerals: IA

BH Location:

SWSW Sec 25 23N-09W

Measured Depth: 12,850.23'

I. GEOLOGY

Surface formation - NACIMIENTO

A ECRMATION TOPS: (KR)

A. FORIVIATION	IOF3. (NO)	A STATE OF THE STA	and the sales of the contract of the	Street, Married W.	t toroton affects and
NAME	MD	TVD	NAME	MD	TVD
OJO ALAMO	322	322	POINT LOOKOUT	3450	3389
KIRTLAND	484	484	MANCOS	3629	3564
PICTURED CLIFFS	1055	1052	GALLUP	3976	3903
LEWIS	1177	1171	KICKOFF POINT	3,942.16	3,869.34
CHACRA	1364	1353	TOP TARGET	4912	4633
CLIFF HOUSE	2498	2460	LANDING POINT	5,147.32	4,674.00
MENEFEE	2515	2477	BASE TARGET	5,147.32	4,674.00
	J	Mary 3	TD	12,850.23	4,603.00

B. MUD LOGGING PROGRAM:

Mudlogger on location from surface csg to TD.

C. LOGGING PROGRAM:

LWD GR from surface casing to TD.

D. NATURAL GAUGES:

Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM:

LSND mud (WBM) will be used to drill the 12-1/4" Surface hole, the 8 %" Directional Vertical hole, and the curve portion of the wellbore. A LSND (WBM) or (OBM) will be used to drill the lateral portion of well. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

B. BOP TESTING:

While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The BOPE will be tested to 2,000 psi (High) for 10 minutes and the annular tested to 1,500 psi for 10 minutes. Pressure test surface casing to 1,500 psi for 30 minutes and intermediate casing to 1,500 psi for 30 minutes. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	OH SIZE (IN)	DEPTH (MD)	CSG SIZE	WEIGHT	GRADE	CONN
SURFACE	12.25"	320.00'	9.625"	36 LBS	J-55 or equiv	STC
INTERMEDIATE	8.75"	5,147.32'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	4997.32' - 12,850.23	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf 4997.32'	4.5"	11.6 LBS	P-110 or equiv	LTC

B. FLOAT EQUIPMENT:

1. SURFACE CASING:

9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.

2. INTERMEDIATE CASING:

7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) centralizer at 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. If losses are encountered during the drilling of the intermediate section a DV tool will be utalized and a 2 stage cement job may be planned to ensure cement circ back to surface. The DV tool will be placed 100' above the top of the Chacra formation. If cement is circulated back to surface on the first stage, a cancelation device will be dropped to shift the dv tool closed and the 2nd stage cement job will be aborted at that time, if no cement is seen at surface on the 1st stage the stage tool will be opend and a 2nd stage cement job will be pumped.

3. PRODUCTION LINER:

Run 4-1/2" Liner with cement nose guide Float Shoe + 2jts. of 4-1/2" casing + Landing Collar + 4-1/2" pup joint + 1 RSI (Sliding Sleeve) positioned inside the 330ft Hard line. Centralizer program will be determined by Wellbore condition and when Lateral is evaluated by Geoscientists and Reservoir Engineers. Set seals on Liner Hanger. Test TOL to 1500 psi for 15 minutes.

C. CEMENT

(Note: Volumes may be adjusted onsite due to actual conditions)

1. Surface:

5 bbl Fresh Water Spacer, 100 sx (160 cu.ft.) of 14.5 ppg Type I-II (Neat G) + 20% Fly Ash cement w/ 7.41 gal/sack mix water ratio @ 1.61 cu ft/sx yield. Calculated @ volume + 50% excess. WOC 12 hours. Test csg to 600psi. Total Volume: (160 cu-ft/100 sx/ Bbls).TOC at Surface.

2. Intermediate

Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 93 bbls, 264 sks, (520 cuft), 12.3 ppg @ 1.97 cuft/sk yield. Tail Cement: 59 bbls, 254 sks, (331 cuft), 13.5 ppg @ 1.3 cuft/sk yield. Displacement: Displace w/ +/- 203 bbl Drilling mud or water. Total Cement: 152 bbls, 519 sks, (851 cuft)

3. Prod Liner:

Spacer #1:10 bbl (56.cu-ft) Water Spacer. Spacer #2: 40 bbl 9.5 ppg (224.6 cu-ft)
Tuned Spacer III. Spacer #3: 10 bbl Water Spacer. Lead Cement: Extencem ™ System.
Yield 1.36 cuft/sk 13.3 ppg (769 sx /1046 cuft /186 bbls). Tail Spacer: 20 BBL of
MMCR. Displacement: Displace 'Planned WBD'|w/ +/-174 ,bbl Fr Water. Total Cement

D. COMPLETION:

Run CCL for perforating

A. PRESSURE TEST:

1. Pressure test 4-1/2" casing to 4500 psi max, hold at 1500 psi for 30 minutes. Increase pressure to Open RSI sleeves.

B. STIMULATION:

- 1. Stimulate with approximately 2,805,000# 20/40 mesh sand and 340,000# 16/30 mesh sand in 619,113 gallons water with 42,696 mscf N2 for 17 stages.
- 2. Isolate stages with flow through frac plug.
- 3. Drill out frac plugs and flowback lateral.

C. RUNNING TUBING:

1. <u>Production Tubing:</u> Run 2-7/8", 6.5#, 1-55, EUE tubing with a SN on top of bottom joint. Land tubing near Top of Liner.

If this horizontal well is 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.

NOTES:

A 4-1/2" 11.6# P-110 Liner will be run to TD and landed +/- 150 ft. into the 7" 23# J-55 Intermediate casing with a Liner Hanger and pack-off assembly then cemented to top of liner hanger.

After cementing and TOL clean up operations are complete, the TOL will be tested to 1500 psi (per BLM).



Well Name: W Lybrook UT #760H

Surface Location: 2309-23M WLU

NAD 1927 (NADCON CONUS) , US State Plane 1927 (Exact solution) New Mexico West 3003

Ground Elevation: 6748.00

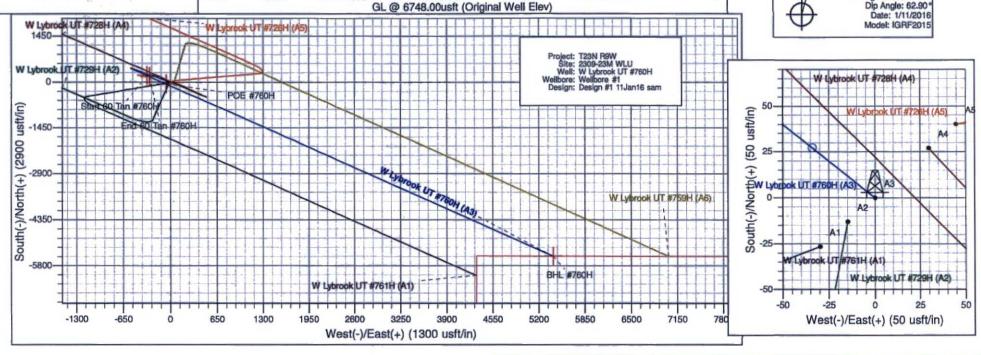
+N/-S +E/-W Northing 0.00 0.00 1894466.97

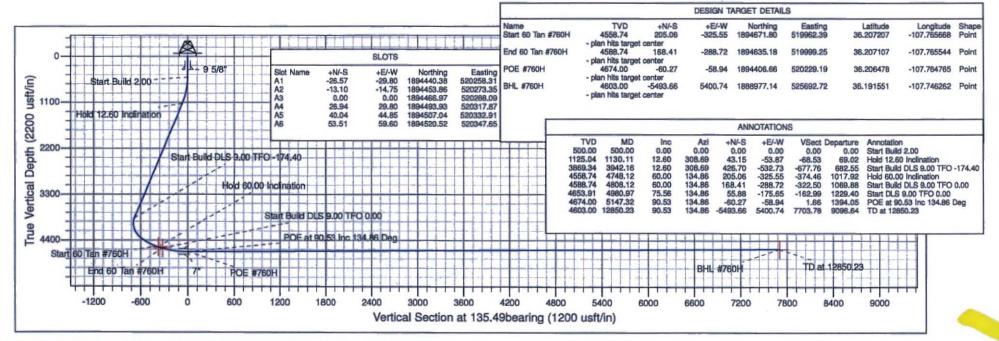
Easting 520288.09

Longitude 36.206644 -107.764565

Slot A₃ Azimuths to True North Magnetic North: 9.35

Magnetic Field Strength: 49881.6snT Dip Angle: 62.90





WPX Energy

T23N R9W 2309-23M WLU W Lybrook UT #760H - Slot A3

Wellbore #1

Plan: Design #1 11Jan16 sam

Standard Planning Report

12 January, 2016

LA MANY L.

WPX

Planning Report

Database: COMPASS
Company: WPX Energy
Project: T23N R9W
Site: 2309-23M WLU
Well: W Lybrook UT #760H
Wellbore: Wellbore #1
Design: Design #1 11Jan16 sam

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well W Lybrook UT #760H (A3) - Slot A3 GL @ 6748.00usft (Original Well Elev) GL @ 6748.00usft (Original Well Elev) True

Minimum Curvature

Project T23N R9W

Map System: Geo Datum: US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS) System Datum:

Mean Sea Level

Map Zone: New Mexico West 3003

2309-23M WLU Site 1,894,520.52 usft Northing: Site Position: 36,206791 From: Мар Easting: 520,347.65 usft Longitude: -107,764363 **Position Uncertainty:** 0.00 usft Slot Radius: 13,200 in **Grid Convergence:** 0.04°

Well W Lybrook UT #760H - Slot A3 **Well Position** +N/-S -53.51 usft Northing: 1,894,466.97 usft Latitude: 36.206644 +E/-W -59.60 usft Easting: 520,288.09 usft Longitude: -107,764565 0.00 usft **Position Uncertainty** Wellhead Elevation: 0.00 usft **Ground Level:** 6,748.00 usft

 Wellbore
 Wellbore #1

 Magnetics
 Model Name
 Sample Date
 Declination (°)
 Dip Angle (nT)
 Field Strength (nT)

 IGRF2015
 1/11/2016
 9.34
 62.90
 49,882

Design #1 11Jan16 sam Design Audit Notes: Version: Phase: PLAN Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S (usft) (usft) (usft) (bearing) 0.00 0.00 0.00 135,49

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	and a second
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,130.11	12.60	308.69	1,125.04	43.15	-53.87	2.00	2.00	0.00	308,69	
3,942.16	12.60	308.69	3,869.34	426.70	-532.73	0.00	0.00	0.00	0.00	
4,748.12	60.00	134.86	4,558.74	205.06	-325.55	9.00	5.88	-21.57	-174.40	Start 60 Tan #760
4,808.12	60.00	134.86	4,588.74	168.41	-288.72	0.00	0.00	0.00	0.00	End 60 Tan #760H
4,980,97	75.56	134.86	4,653.91	55.88	-175.65	9.00	9.00	0.00	0.00	
5,147.32	90.53	134.86	4,674.00	-60.27	-58.94	9.00	9.00	0.00	0.00	POE #760H
12,850.23	90.53	134.86	4,603.00	-5,493,66	5,400,74	0.00	0.00	0.00	0.00	BHL #760H

M. Dwelling

WPX

Planning Report

Database: Company: Project: Site: COMPASS WPX Energy T23N R9W

 Site:
 2309-23M WLU

 Well:
 W Lybrook UT #760H

 Wellbore:
 Wellbore #1

Local Co-ordinate Reference: TVD Reference: MD Reference:

MD Reference: North Reference: Survey Calculation Method: Well W Lybrook UT #760H (A3) - Slot A3 GL @ 6748.00usft (Original Well Elev) GL @ 6748.00usft (Original Well Elev)

True

Minimum Curvature

gn:	Design #1 113	Jan 16 sam							
ned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (*/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00 320.00	0.00	0.00	0.00 320.00	0,00 0,00	0.00	0,00	0.00	0.00	0.00 0.00
9 5/8" 500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build		0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	10.00	308.69	997.47	07.04	22.07	40.00	2.00	2.00	0.00
1,000.00	12.60	308.69	1,125.04	27.21 43.15	-33.97 -53.87	-43.22 -68.53	2.00	2.00	0.00
		300.09	1,125.04	43.10	-55.07	-00.53	2.00	2.00	0.00
Hold 12.60 l	nclination								
1,500.00	12.60	308.69	1,486.02	93.60	-116.86	-148.67	0.00	0.00	0.00
2,000.00	12.60	308.69	1,973.97	161.80	-202.00	-256,99	0.00	0.00	0.00
2,500.00	12.60	308.69	2,461.93	229.99	-287.15	-365.32	0.00	0.00	0.00
3,000.00	12.60	308.69	2,949.88	298.19	-372.29	-473.64	0.00	0.00	0.00
3,500.00	12.60	308.69	3,437.84	366.39	-457.44	-581.97	0.00	0.00	0.00
3,942.16	12.60	308.69	3,869.34	426.70	-532.73	-677.76	0.00	0.00	0.00
Start Build I	DLS 9.00 TFO -17	74.40	The second	THE PERSON	CONTRACTOR OF	Ser Marian	UAS IN ISS		
4,000.00	7.44	304.77	3,926.28	432.78	-540.74	-687.71	9.00	-8.93	-6.78
4,500.00	37.68	135.74	4,396,46	336.82	-456,29	-560.07	9.00	6.05	-33.81
4,748.12	60.00	134.86	4,558.74	205.06	-325.55	-374.46	9.00	9.00	-0.35
Hold 60.00 I			- House and the same of	THE RESERVE OF THE PERSON NAMED IN	DESIGNATION OF	A STATE OF THE PARTY OF THE PAR		CONTRACTOR OF THE PARTY OF	Interested to the
4,808.12	60.00	134.86	4,588.74	168.41	-288.72	-322.50	0.00	0.00	0.00
	DLS 9.00 TFO 0.0		4,000.74	100,41	-200.72	-322.30	0.00	0,00	0.00
17 , 17 2	-			The supplemental states	A STATE OF THE PARTY OF THE PAR	Charles Street,			
4,980.97	75.56	134,86	4,653.91	55.88	-175,65	-162,99	9,00	9.00	0.00
Start DLS 9.	00 TFO 0.00								
5,000.00	77.27	134.86	4,658,38	42.83	-162.54	-144.49	9.00	9.00	0.00
5,147.00	90.50	134.86	4,674.00	-60.05	-59.17	1.34	9.00	9.00	0.00
7"									
5,147.32	90.53	134.86	4,674.00	-60.27	-58.94	1.66	9.00	9.00	0.00
POE at 90.5	3 Inc 134.86 Deg					THE PERSON	TO THE REAL PROPERTY.	THE RESERVE	
5,500.00	90,53	134.86	4,670.75	-309.04	191,03	354.30	0,00	0.00	0.00
6,000.00	90.53	134.86	4,666.14	-661.72	545,42	854.25	0.00	0.00	0.00
6,500.00	90.53	134.86	4,661.53	-1,014.41	899.81	1,354.20	0.00	0.00	0.00
7,000.00	90.53	134.86	4,656.92	-1,367.09	1,254.20	1,854.15	0.00	0.00	0.00
7,500.00	90.53	134.86	4,652.31	-1,719.78	1,608.60	2,354.10	0.00	0.00	0.00
8,000.00	90.53	134.86	4,647.71	-2,072.46	1,962,99	2,854.05	0,00	0.00	0.00
8,500.00	90.53	134.86	4,643.10	-2,425.15	2,317.38	3,354.00	0.00	0.00	0.00
9,000.00	90.53	134.86	4,638.49	-2,777.83	2,671.77	3,853.95	0.00	0.00	0.00
9,500.00	90,53	134.86	4,633.88	-3,130.51	3,026.16	4,353.90	0.00	0.00	0.00
10,000.00	90.53	134.86	4,629.27	-3,483.20	3,380.55	4,853.84	0.00	0,00	0.00
10,500.00	90.53	134.86	4,624.66	-3,835.88	3,734.94	5,353.79	0.00	0.00	0.00
11,000.00	90.53	134.86	4,620.05	-4,188.57	4,089.33	5,853.74	0.00	0.00	0.00
11,500.00	90.53	134.86	4,615.45	-4,541.25	4,443.72	6,353.69	0.00	0.00	0.00
12,000.00	90.53	134.86	4,610.84	-4,893,94	4,798.11	6,853.64	0.00	0.00	0.00
12,500.00	90.53	134.86	4,606.23	-5,246.62	5,152.50	7,353.59	0.00	0.00	0.00
12,850,23	90.53	134,86	4,603.00	-5,493.66	5,400.74	7,703.78	0.00	0.00	0.00

SWARE PARTY

WPX

Planning Report

 Database:
 COMPASS

 Company:
 WPX Energy

 Project:
 T23N R9W

 Site:
 2309-23M WLU

 Well:
 W Lybrook UT #760H

 Wellbore:
 Wellbore #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well W Lybrook UT #760H (A3) - Slot A3 GL @ 6748.00usft (Original Well Elev) GL @ 6748.00usft (Original Well Elev) True Minimum Curvature

Design: Design #1 11Jan16 sam

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Start 60 Tan #760H - plan hits target cente - Point	0.00	0.00	4,558.74	205.06	-325.55	1,894,671.80	519,962.40	36.207207	-107.765669
End 60 Tan #760H - plan hits target cente - Point	0.00	0.00	4,588.74	168,41	-288.72	1,894,635.18	519,999.25	36.207107	-107.765544
BHL #760H - plan hits target cente - Point	0.00	0.00	4,603.00	-5,493.66	5,400.74	1,888,977.14	525,692.72	36.191551	-107.746263
POE #760H - plan hits target cente - Point	0.00 er	0,00	4,674.00	-60.27	-58.94	1,894,406,66	520,229.19	36.206479	-107,764765

asing Points					See Marie See See See See See See See See See S	
	Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (in)	Hole Diameter (in)
	320.00	320.00	9 5/8"		9.625	12.250
	5,147.00	4,674.00	7"		7.000	8,750

Measured	Vertical	Local Coor	dinates	
Depth (usft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
500.00	500.00	0.00	0.00	Start Build 2.00
1,130.11	1,125.04	43.15	-53.87	Hold 12.60 Inclination
3,942.16	3,869.34	426.70	-532.73	Start Build DLS 9.00 TFO -174.40
4,748.12	4,558.74	205.06	-325.55	Hold 60.00 Inclination
4,808.12	4,588.74	168.41	-288.72	Start Build DLS 9.00 TFO 0.00
4,980.97	4,653.91	55.88	-175.65	Start DLS 9.00 TFO 0.00
5,147.32	4,674.00	-60.27	-58.94	POE at 90.53 Inc 134.86 Deg
12,850.23	4,603.00	-5,493.66	5,400.74	TD at 12850.23

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- Drilling operations will utilize a closed-loop system. Drilling of the horizontal laterals will be
 accomplished with water-based mud. All cuttings will be placed in roll-off bins and hauled to
 a commercial disposal facility or land farm. WPX will follow Onshore Oil and Gas Order No. 1
 regarding the placement, operation, and removal of closed-loop systems. No blow pit will be
 used.
- 2. Closed-loop tanks will be adequately sized for containment of all fluids.

B. Drilling Fluids

 Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. All residual fluids will be hauled to a commercial disposal facility.

C. Spills

 Any spills of non-freshwater fluids will be immediately cleaned up and removed to an approved disposal site.

D. Sewage

 Portable toilets will be provided and maintained during construction, as needed (see Figures 4 and 5 in Appendix B for the location of toilets).

E. Garbage and other water material

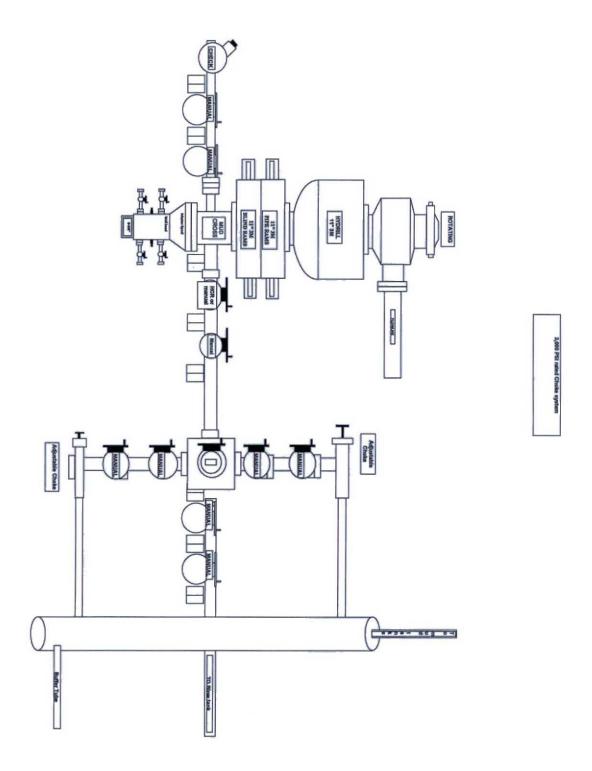
 All garbage and trash will be placed in a metal trash basket. The trash and garbage will be hauled off site and dumped in an approved landfill, as needed.

F. Hazardous Waste

- No chemicals subject to reporting under Superfund Amendments and Reauthorization
 Act Title III in an amount equal to or greater than 10,000 pounds will be used, produced,
 stored, transported, or disposed of annually in association with the drilling, testing, or
 completing of these wells.
- No extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of these wells.
- All fluids (i.e., scrubber cleaners) used during washing of production equipment will be properly disposed of to avoid ground contamination or hazard to livestock or wildlife.

G. Produced Water:

- WPX Energy will dispose of produced water from this well at one of the following facilities:
 - a. Lybrook Yard WDW #1, API #30-039-27533, NMOCD permit #SWD-907, operated by Elm Ridge Resources, located in NE ¼, Section 14, Township 23 North, Range 7 West
 - Jillson Federal #1, NMOCD order #R-10168, operated by ConocoPhillips, located in NW ¼, Section 8, Township 24 North, Range 3 West
 - Basin Disposal, permit #NM-01-005, located in the NW ¼, Section 3, Township 29 North, Range 11 West
 - d. Sunco SWD #001, API #30-045-28653, NMOCD permit SWD-457, operated by Key Energy, located in NW ¼, Section 2, Township 29 North, Range 12 West
- Water will be hauled by truck. Some produced water may also be used in drilling and completion operations as an alternative disposal method.



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<u>Directions from the Intersection of US Hwy 550 & US Hwy 64</u> in Bloomfield, NM to WPX Energy Production, LLC W Lybrook Unit #760H 548' FSL & 568' FWL, Section 23, T23N, R9W, N.M.P.M., San Juan County, NM

Latitude: 36.206658°N Longitude: 107.765179°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 37.8 miles to Mile Marker 113.4;

Go Right (South-westerly) on County Road #7890 for 0.8 miles to fork in roadway;

Go Left (Southerly) remaining on County Road #7890 for 1.3 miles to four-way intersection;

Go Left (South-easterly) remaining on County Road #7890 for 0.6 miles to fork in roadway;

Go Right (South-westerly) remaining on County Road #7890 for 0.5 miles to WPX W Lybrook Unit #720H proposed access on right-hand side of County Road #7890;

Go Right (Westerly) exiting County Road #7890 following along WPX W Lybrook Unit #720H proposed access for 3123.1' to fork in proposed access;

Go Left (Westerly) which is straight, continuing for 4605.4' to staked WPX W Lybrook Unit #760H location.