State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

Ken McQueen Cabinet Secretary

Matthias Sayer Deputy Cabinet Secretary David R. Catanach, Division Director OI 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 <u>3160-3</u> APD form.

Operator Signature Date: 11/3/2017 Well information; , Well Name and Number (1) Lubrook 11nd, 7554 Operator 1/)

API# 30 -045 - 35816, Section 14, Township 23 NS, Range 9 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 NSL, 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.

NMOCD Approved by Signature

2-10-2017

1220 South St. Francis Drive • Santa Fe, New Mexico 87505 Phone (505) 476-3441 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

LUPY Moratel NOS: -4/20/10 MP- Familio SMA: BIA- BOND: BOX	NIV DISOUA			FORM	APPROVED		
(March 2012) CA/PA: NJM	Bizhon				o. 1004-0137 ctober 31, 2014		
DEPART	UNITED STATES MENT OF THE INTI			5. Lease Serial No. NOG14031948			
*	U OF LAND MANAGI			6. If Indian, Allotee	or Tribe Name		
APPLICATION FC	DR PERMIT TO DRI	ILL OR REENTER		EASTERN NAVAJO	D		
la. Type of work: I DRILL	a. Type of work: I DRILL REENTER						
lb. Type of Well: 🗹 Oil Well 🗌 Gas	Well Other	Single Zone 🖌 Mult	iple Zone	8. Lease Name and V W LYBROOK UT 7			
2. Name of Operator WPX ENERGY LLC	9. API Well No.						
3a. Address		10. Field and Pool, or H	Exploratory				
720 S Main Aztec NM 874	10 (50	05)333-1822	-	LYBROOK MANCO	SW/LYBROOK		
4. Location of Well (Report location clearly		11. Sec., T. R. M. or B	k. and Survey or Area				
At surface NESE / 1867 FSL / 674 F At proposed prod. zone NENE / 697 Ft			7	SEC 14 / T23N / R9	W/NMP		
14. Distance in miles and direction from nearest		J31487LUNG -107,73264		12. County or Parish	13. State		
37.8 miles				SAN JUAN	NM		
 Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 	16. 16	No. of acres in lease 0	17. Spacir 440	Dill CONS. DIV D			
 Distance from proposed location* to nearest well, drilling, completed, 674 fe applied for, on this lease, fl. 	eet 46	Proposed Depth 79 feet / 14812 feet		M/BIA Bond No. on file 3001576 JAN 31 2017			
apprior for, on this rease, it.							
21. Elevations (Show whether DF, KDB, RT, 6719 feet	A finite	and the second sec	art*	23. Estimated duration 30 days			
21. Elevations (Show whether DF, KDB, RT,	12	and the second sec	art*		1		
21. Elevations (Show whether DF, KDB, RT,	12 24	2/01/2016 4. Attachments		30 days			
21. Elevations (Show whether DF, KDB, RT, 6719 feet	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif	attached to th the operatio ication	30 days	existing bond on file (se		
 Elevations (Show whether DF, KDB, RT, 6719 feet The following, completed in accordance with the Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on N SUPO must be filed with the appropriate For Signature 	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif 6. Such other sit BLM. Name (Printed/Typed)	attached to th the operatio ication e specific inf	30 days is form: ns unless covered by an prmation and/or plans as	existing bond on file (se may be required by the Date		
 21. Elevations (Show whether DF, KDB, RT, 6719 feet The following, completed in accordance with the 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on N SUPO must be filed with the appropriate For 25. Signature (Electronic Submission) 	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif 6. Such other sit BLM.	attached to th the operatio ication e specific inf	30 days is form: ns unless covered by an prmation and/or plans as	existing bond on file (se may be required by the		
 21. Elevations (Show whether DF, KDB, RT, 6719 feet The following, completed in accordance with the 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on N SUPO must be filed with the appropriate For 25. Signature 	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif 6. Such other sit BLM. Name (Printed/Typed)	attached to th the operatio ication e specific inf	30 days is form: ns unless covered by an prmation and/or plans as	existing bond on file (se may be required by the Date		
 21. Elevations (Show whether DF, KDB, RT, 6719 feet 21. The following, completed in accordance with the 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on N SUPO must be filed with the appropriate For 25. Signature (Electronic Submission) 	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif 6. Such other sit BLM. Name (Printed/Typed)	attached to th the operatio ication e specific inf	30 days is form: ns unless covered by an o prmation and/or plans as 6	existing bond on file (se may be required by the Date		
 21. Elevations (Show whether DF, KDB, RT, 6719 feet 21. The following, completed in accordance with the 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on N SUPO must be filed with the appropriate For 25. Signature (Electronic Submission) Title Permitting Tech III Mathematical Action 	12 24 e requirements of Onshore Oil National Forest System Land	2/01/2016 4. Attachments and Gas Order No.1, must be 4. Bond to cover Item 20 above) 5. Operator certif 6. Such other sit BLM. Name (Printed/Typed) Lacey Granillo / Ph: (50)	attached to th the operatio ication e specific inf	30 days is form: ns unless covered by an o prmation and/or plans as 6	existing bond on file (se may be required by the Date 11/03/2016		

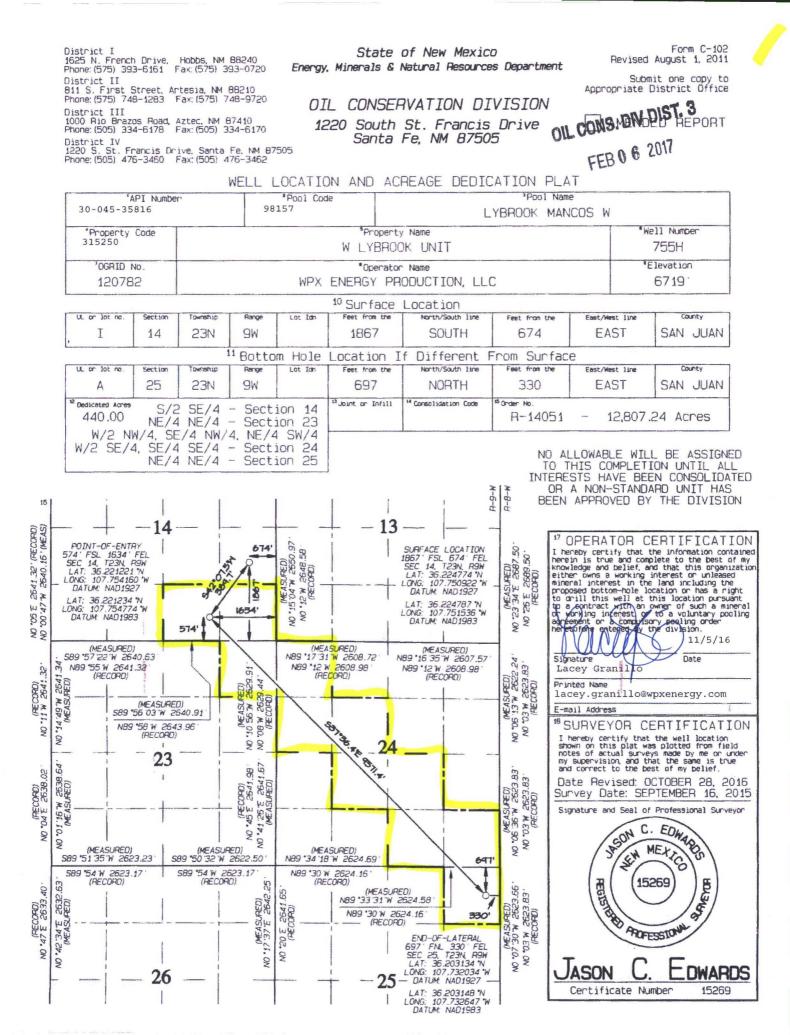
(Continued on page 2)

DRE UNG OFFENTIONS AUTROPERD & PE BREAUET TO COMPLICATE PERIATACHED "GENERAL REQUIREMENTS"

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4







WPX Energy

Operations Plan

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

Date:	November 3, 2016	Field:	Lybrook Mancos W
Well Name:	W Lybrook Unit 755H	Surface:	
SH Location:	NESE Sec 14 23N-09W	Elevation:	6719' GR
BH Location:	NENE Sec 25 23N-09W	Minerals:	

Measured Depth: 14,811.52'

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION TOPS: (GR)

NAME	MD	TVD	NAME	MD	TVD
OJO ALAMO	388.00	388.00	POINT LOOKOUT	3,726.00	3,455.00
KIRTLAND	550.00	550.00	MANCOS	3,925.00	3,630.00
PICTURED CLIFFS	1,123.00	1,118.00	GALLUP	4,309.00	3,969.00
LEWIS	1,245.00	1,237.00	KICKOFF POINT	4,299.34	3,960.46
CHACRA	1,436.00	1,419.00	TOP TARGET	5,259.00	4,679.00
CLIFF HOUSE	2,673.00	2,526.00	LANDING POINT	5,540.31	4,738.58
MENEFEE	2,692.00	2,543.00	BASE TARGET	5,540.31	4,738.58
			TD	14,811.52	4,679.00

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 ¾" 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"	5,540.31'	7"	23 LBS	J-55 or equiv	LTC
PRODUCTION	6.125"	5390.31' - 14,811.52'	4.5"	11.6 LBS	P-110 or equiv	LTC
TIE BACK	6.125"	Surf 5390.31'	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 utilized 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 opened 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 cuft/100 sx/ Bbls).TOC at Surface.

2. Intermediate:

Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 104 bbls, 297 sks, (585 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/ +/- 218 bbl Drilling mud or water. Total Cement: 163 bbls, 552 sks, (916 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 (923 sx /1256 cuft /224 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/-202bbl Fr Water. Total Cement (923 sx /1256bbls).

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:

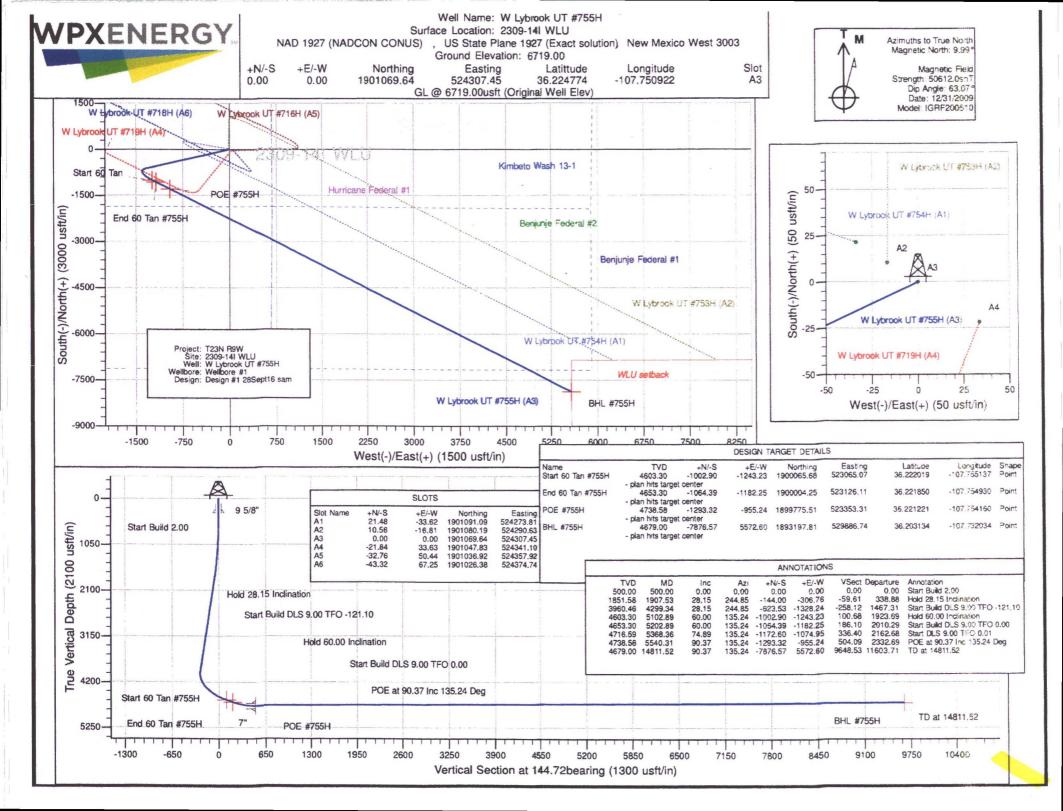
1. <u>Production Tubing:</u> Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing near Top of Liner.

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).



WPX Energy

T23N R9W 2309-14I WLU W Lybrook UT #755H - Slot A3

Wellbore #1

Plan: Design #1 28Sept16 sam

Standard Planning Report

28 September, 2016

WPX

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	T23N 2309- W Lyl Wellb	Energy			TVD Refe MD Refer North Ref	ence:		Well W Lybrook GL @ 6719.00u GL @ 6719.00u True Minimum Curvat	sft (Original V sft (Original V	Veli Elev)
Project	T23N	R9W		an man B matalan wali katua mini Pinti						
Map System: Geo Datum: Map Zone:	NAD 19	e Plane 1927 (l 27 (NADCON (exico West 3003	CONUS))	System Da	itum:	М	ean Sea Level		
Site	2309-1	14I WLU								
Site Position: From: Position Uncerta	Ma Inty:		Norti East 0 usft Slot	-		1,091.09 usft 1,273.81 usft 13.200 in	Latitude: Longitude: Grid Converg	Jence:	Al 2010 A UN 2 CH 2 COUNTRY AND COUNTRY OF	36.224833 -107.751036 0.05 °
Well	W Lybr	rook UT #755H	- Slot A3							
Well Position	+N/-S +E/-W	33.	62 usft E	lorthing: asting:		1,901,069.64 524,307.45	ousft Lor	itude: ngitude:		36.224774 -107.750922
Position Uncerta	inty	0.	00 usft V	Vellhead Eleva	tion:	0.00) usft Gro	ound Level:		6,719.00 usft
Wellbore	Wellb	ore #1		ngan kana perioperakan perioperakan dari Perioperakan perioperakan dari perioperakan dari perioperakan dari perioperakan dari perioperakan dari periopera				and an		
Magnetics	M	odel Name	Samp	ole Date	Decline (°)			Angle °)		Strength (nT)
		IGRF200510		12/31/2009		9.99		63.07		50,612
Design	Desigr	n #1 28Sept16 s	sam							
Audit Notes:				CORE DESIGNATION OF THE PARTY OF THE PARTY OF T						
Version:			Pha	S0:	PLAN	Tie	On Depth:		0.00	
Vertical Section:		[Depth From (1	TVD)	+N/-S	+1	e/-w	Dire	ection	
			(usft)		(usft)	and the second sec	isft)		aring)	
			0.00		0.00	0	.00	14	4.72	
Plan Sections							an a	15 8 A.S. (49)	Carrielle.	
Measured Depth I (usft)	nclination (°)	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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,907.53	28.15	244.85	1,851.59	-144.00	-306.76	2.00	2,00	0.00	244.85	
4,299.34	28.15	244.85	3,960.46	-623.53	-1,328.24	0.00	0.00	0.00	0.00	
5,102.89	60.00	135.24	4,603.30	-1,002.90	-1,243.23	9.00	3.96	-13.64		Start 60 Tan #755H
5,202.89	60.00	135.24	4,653.30	-1,064.39	-1,182.25	0.00	0.00	0.00		End 60 Tan #755H
5,368.36	74.89	135.24	4,716.59	-1,172.60	-1,074.95	9.00	9.00	0.00	0.00	
5,540.31	90.37	135.24	4,738.58	-1,293.32	-955.24	9.00	9.00 0.00	0.00		POE #755H BHL #755H
14,811.52	90.37	135,24	4,679.00	-7,876.57	5,572.60	0.00				

WPX

Planning Report

Database:	COMPASS	Local Co-ordinate Reference:	Well W Lybrook UT #755H (A3) - Slot A3
Company:	WPX Energy	TVD Reference:	GL @ 6719.00usft (Original Well Elev)
Project:	T23N R9W	MD Reference:	GL @ 6719.00usft (Original Well Elev)
Site:	2309-14I WLU	North Reference:	True
Well:	W Lybrook UT #755H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 28Sept16 sam		

Planned 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
320.00	0.00	0.00	320,00	0.00	0.00	0.00	0.00	0,00	0.0
9 5/8" 500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.0
Start Build 2		0.00	500,00	0.00	0.00	0.00	0,00	0.00	0.0
1,000.00	10.00	244.85	997.47	-18.49	-39.40	-7.66	2.00	2.00	0.0
1,500.00	20.00	244.85	1,479.82	-73.42	-156.39	-30.39	2.00	2.00	0.0
1,907.53	28.15	244.85	1,851.59	-144.00	-306.76	-59.61	2.00	2.00	0.0
Hold 28.15 h	nclination								
2,000.00	28.15	244.85	1,933.11	-162.54	-346.25	-67.29	0.00	0.00	0.0
2,500.00	28.15	244.85	2,373.97	-262.78	-559.78	-108.79	0.00	0.00	0.0
3,000.00	28.15	244.85	2,814.82	-363.03	-773.32	-150.28	0.00	0.00	0.0
3,500.00	28,15	244.85	3,255.68	-463.27	-986.86	-191.78	0.00	0.00	0,0
4,000.00	28.15	244.85	3,696.53	-563.51	-1,200.40	-233.28	0.00	0.00	0.0
4,299.34	28.15	244.85	3,960.46	-623.53	-1,328.24	-258.12	0.00	0.00	0.0
Start Build D	LS 9.00 TFO -12	1.10							
4,500.00	23.96	204.04	4,142.12	-681.33	-1,388.18	-245.55	9.00	-2.09	-20.3
5,000.00	51.92	140.71	4,545.72	-939.79	-1,300.37	16.15	9.00	5.59	-12.6
5,102.89	60.00	135.24	4,603.30	-1,002.90	-1,243.23	100.68	9.00	7.85	-5.3
Hold 60.00 k		MOLENSON	a di setta daga	fa del Ald Andre	and a stand of	a ka yakanan	Sector candidate		et de singe
5,202.89	60.00	135.24	4,653.30	-1,064.39	-1.182.25	186.10	0.00	0.00	0.0
	LS 9.00 TFO 0.0			1.1.1					
5,368.36	74.89	135.24	4,716.59	-1,172.60	-1,074.95	336.40	9.00	9.00	0.0
Start DLS 9.		100.2.1	4,7 10.00	1,172.00	1,014.00	000.10	0,00	0.00	0.0
5,500.00	86.74	135.24	4,737.56	-1,264.71	-983.61	464.35	9.00	9.00	0.0
5,540.00	90.34	135.24	4,738.58	-1,293.10	-955.46	503.79	9.00	9.00	0.0
5,540.00 7"	90.34	135.24	4,730.30	-1,295.10	-955.40	503.79	9.00	9.00	0.0
5,540.31	90.37	135.24	4,738.58	-1,293.32	-955.24	504.09	9.00	9.00	0.0
	Inc 135.24 Deg		4,700.00	-1,230.02	-500.24	004.00	5.00	5.00	0.0
			4 705 60	4 640 70	694 57	057.50	0.00	0.00	0.0
6,000.00	90.37	135.24	4,735.63	-1,619.73	-631.57	957.50	0.00	0.00	0.0
6,500.00	90.37	135.24	4,732.41	-1,974.77	-279.53	1,450.66	0.00	0.00	0.0
7,000.00	90.37	135.24	4,729.20	-2,329.81	72.52	1,943.82	0.00	0.00	0.0
7,500.00	90.37	135.24	4,725,99	-2,684.84	424.57	2,436.99	0.00	0.00	0.0
8,000.00	90.37	135.24	4,722.77	-3,039.88	776.62	2,930.15	0.00	0,00	0,0
8,500.00	90.37	135.24	4,719.56	-3,394.92	1,128.67	3,423.31	0.00	0.00	0.00
9,000.00	90.37	135.24	4,716.35	-3,749.96	1,480.72	3,916.47	0.00	0.00	0.00
9,500.00	90.37	135.24	4,713.13	-4,104.99	1,832.77	4,409.64	0.00	0.00	0.00
10,000.00	90.37	135.24	4,709.92	-4,460.03	2,184.82	4,902.80	0.00	0.00	0.00
10,500.00	90.37	135.24	4,706.71	-4,815.07	2,536.86	5,395.96	0.00	0.00	0.0
11,000.00	90.37	135.24	4,703.49	-5,170.11	2,888.91	5,889.13	0.00	0.00	0.00
11,500.00	90.37	135.24	4,700.28	-5,525.14	3,240.96	6,382.29	0.00	0.00	0.00
12,000.00	90.37	135.24	4,697.07	-5,880.18	3,593.01	6,875.45	0.00	0.00	0.00
12,500.00	90.37	135.24	4,693.85	-6,235.22	3,945.06	7,368.62	0.00	0.00	0.0
13,000,00	90.37	135.24	4,690.64	-6,590.25	4,297.11	7,861.78	0.00	0.00	0.00
13,500.00	90.37	135.24	4,687.43	-6,945.29	4,649.16	8,354.94	0.00	0.00	0.00
14,000.00	90.37	135.24	4,684.22	-7,300.33	5,001.21	8,848.11	0.00	0.00	0.00
14,500.00	90.37	135.24	4,681.00	-7,655.37	5,353.25	9,341.27	0.00	0.00	0.00
14,811,52	90.37	135.24	4,679.00	-7,876.57	5,572.60	9,648.53	0.00	0.00	0.00
TD at 14811.4			10 10 10 10 10 10 10 10 10 10 10 10 10 1						20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

COMPASS 5000.1 Build 78

WPX

Planning Report

Database: Company:	COMPASS WPX Energy	Local Co-ordinate Reference: TVD Reference:	Well W Lybrook UT #755H (A3) - Slot A3 GL @ 6719.00usft (Original Well Elev)
Project:	T23N R9W	MD Reference:	GL @ 6719.00usft (Original Well Elev)
Site:	2309-14I WLU	North Reference:	True
Well:	W Lybrook UT #755H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 28Sept16 sam		

Design Target

Design Targets			and the second second	denter all constructions	and the factor of the	and the second second second	distriction and some surface and the		a di kana di kata di kata
larget 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 #755H - plan hits target cen - Point	0.00 ter	0.00	4,603.30	-1,002.90	-1,243.23	1,900,065.69	523,065.07	36.222019	-107.75513
nd 60 Tan #755H - plan hits target cen - Point	0.00 ter	0.00	4,653.30	-1,064.39	-1,182.25	1,900,004.25	523,126.11	36.221850	-107.75493
3HL #755H - plan hits target cent - Point	0.00 ter	0.00	4,679.00	-7,876.57	5,572.60	1,893,197.81	529,886.74	36.203134	-107.73203
POE #755H - plan hits target cent - Point	0.00 ter	0.00	4,738.58	-1,293.32	-955.24	1,899,775.51	523,353.31	36.221221	-107.75416

asi		

Measured	Vertical			Casing	Hole	
Depth	Depth			Diameter	Diameter	
(usft)	(usft)		Name	(in)	(in)	
320.00	320.00	9 5/8"		9.625	12.250	
5,540.00	4,738.58	7"		7.000	8.750	

Measure	Measured Vertical		dinates	
Depth (usft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
500.	500.00	0.00	0.00	Start Build 2.00
1,907.	53 1,851.59	-144.00	-306.76	Hold 28.15 Inclination
4,299.3	3,960.46	-623.53	-1,328.24	Start Build DLS 9.00 TFO -121.10
5,102.0	4,603.30	-1,002.90	-1,243.23	Hold 60.00 Inclination
5,202.0	4,653.30	-1,064.39	-1,182.25	Start Build DLS 9.00 TFO 0.00
5,368.3	4,716.59	-1,172.60	-1,074.95	Start DLS 9.00 TFO 0.01
5,540.3	4,738.58	-1,293.32	-955.24	POE at 90.37 Inc 135.24 Deg
14,811.5	4,679.00	-7.876.57	5,572.60	TD at 14811.52



(Lat/Long) is recorded and full drill log report is completed and filed with WPX. The bed will not be energized for a minimum of 45 days.

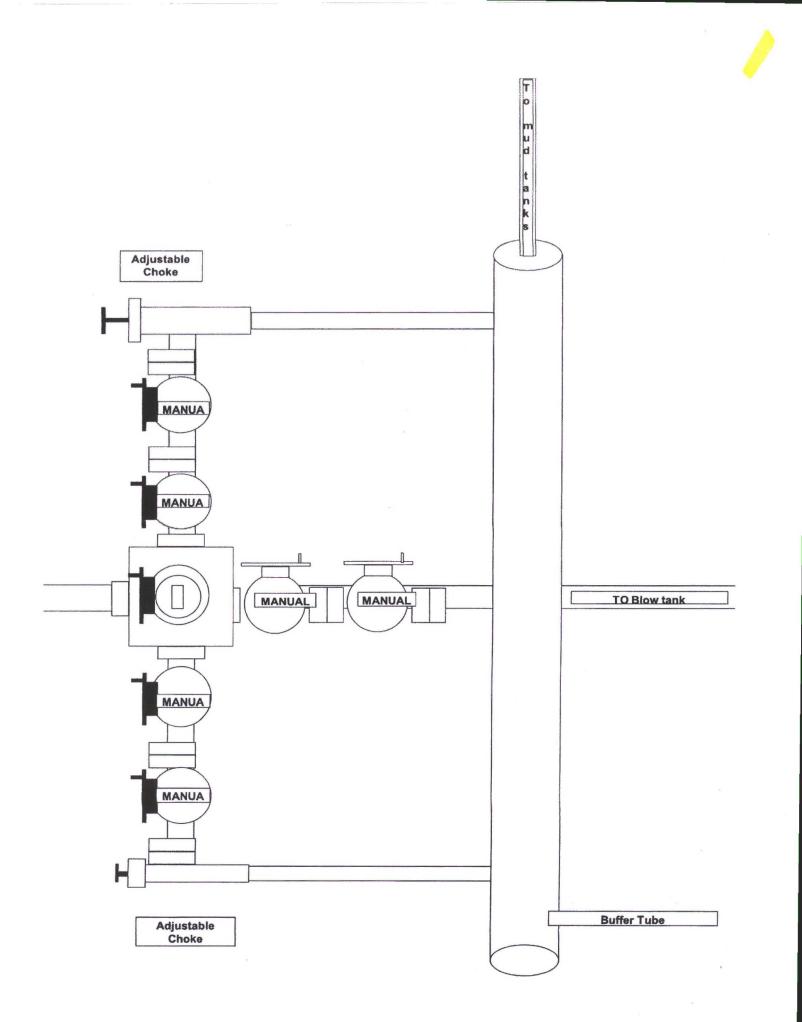
After the completion phases and pipeline installation, portions of the project area not needed for operation will be reclaimed. When the wells are plugged, final reclamation will occur within the remainder of the project area. Reclamation is described in detail in the Surface Use Reclamation Plan (Appendix A).

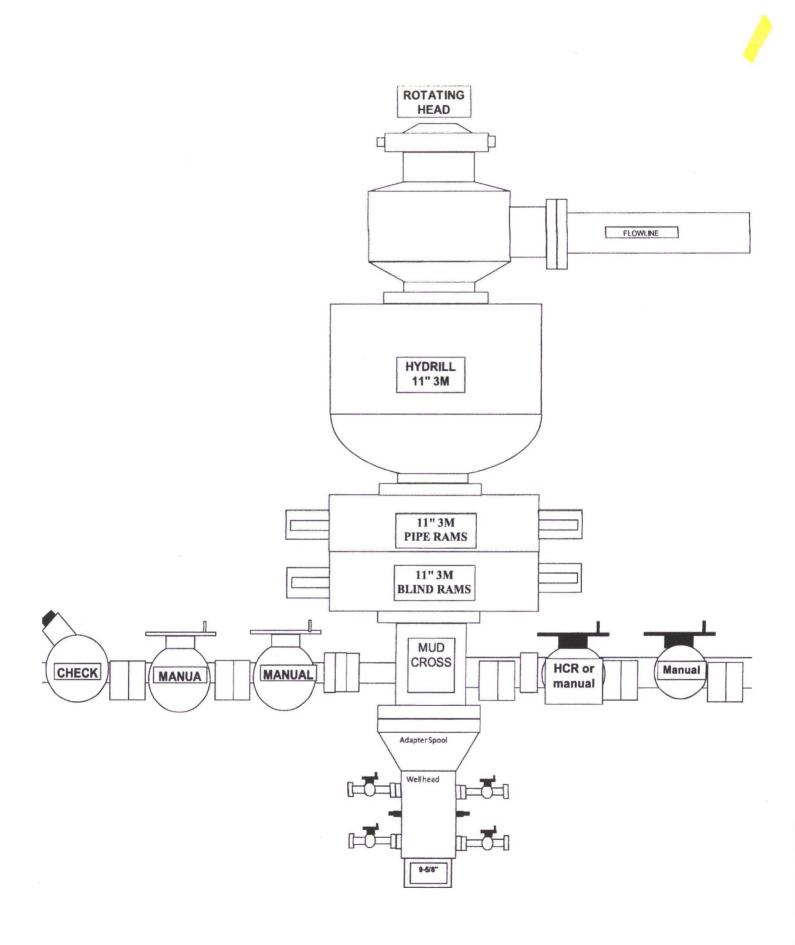
7. METHODS FOR HANDLING WASTE

A. Cuttings

- 1 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
 - 1 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
 - 1 Portable toilets will be provided and maintained during construction, as needed (see Figures 3, 4, 6 and 7 in Appendix B for the location of toilets per wellpad).
- E. Garbage and other waste material
 - 1 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
 - 1 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.
 - 2 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.
 - 3 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:
 - 1 WPX Energy will dispose of produced water from this well at one of the following facilities:
 - 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
 - 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
 - 2 Water will be hauled by truck. Some produced water may also be used in drilling and completion operations as an alternative disposal method.

Wilybrock UT Nos. 710H 712H 714H, 716H, 716H, 714H, 750H, 751H, 752H, 753H, 754H, & 755H Oil & Natural Gas Wolfs Project October 2016





Directions from the Intersection of US Hwy 550 & US Hwy 64

in Bloomfield, NM to WPX Energy Production, LLC W Lybrook Unit #755H

1867' FSL & 674' FEL, Section 14, T23N, R9W, N.M.P.M., San Juan County, NM

Latitude: 36.224787°N Longitude: 107.751536°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 begin WPX W Lybrook Unit #71011 proposed access on right-hand side;

Go Right (North-westerly) along WPX W Lybrook Unit #710H proposed access for 3412.5° to fork in proposed access:

Go Left (South-westerly) continuing for 1344.8° to staked WPX W Lybrook Unit #755H location.