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**



728H

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 UPX

Well Name and Number W Lubrook

API#20045.35770, Section 23, Township 23 (N/S, Range

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 ٠ 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

12-8-2016

1220 South St. Francis Drive - Santa Fe, New Mexico 87505 Phone (505) 476-3460 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

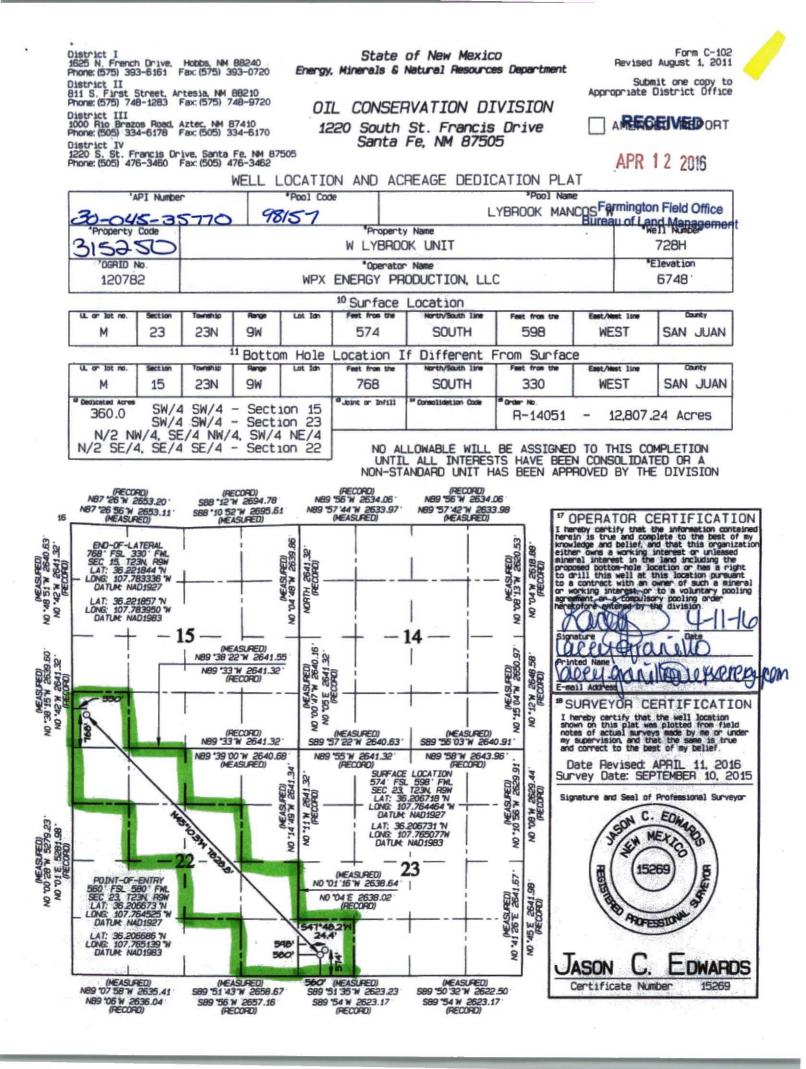
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	Form 3160-3 (September 2001)			a state	1	. 0.8	FORM OMB 1	APPROVED No. 1004-0136	RECEIV
		UNITED STA	TES	4	1	. 00		anuary 31, 2004	APD
		DEPARTMENT OF TH	IE INTER	JOR 🕴			NO-G-1312-186	3	N 08 20
	APPLI	DEPARTMENT OF TH BUREAU OF LAND MA CATION FOR PERMIT TO	DRILL	OR REENTER	Fam Bureau	of Land M	7. If Unit or CA Ag NMNM 135216 8. Lease Name and	ee or Tribe Nar Bureau	ne ZU
	la, Type of Work: 🛛 DR		NTER				7. If Unit or CA Ag	reement, Name	and No Man Office
							NMNM 135216 8. Lease Name and	Well No.	anagen
	1b. Type of Well: 🛛 Oil	Well Gas Well Other		Single Zone	Mult	iple Zone	W. Lybrook Unit		
	2. Name of Operator						9. API Well No.	E 25	770
	WPX Energy Production, J 3a, Address	LC	3b P	hone No. (include an	rea code)		30-04 10. Field and Pool, o	5 - 35 r Exploratory	110
	P.O. Box 640 Aztec, NM	87410		505) 333-1816	cu couty		Lybrook Manco		
	4. Location of Well (Report lo	cation clearly and in accordance with					11. Sec., T., R., M.,		vey or Area
		98' FWL SEC 23, 23N 9W					SHL: Sec 23, T2	3N, R9W	
	At proposed prod. zone 70	58' FSL & 330' FWL SEC 15, 23N	19W				BHL: Sec 15, T2	23N, R9W .	
		tion from nearest town or post offic					12. County or Parish	13	3. State
	From intersection US HV 15. Distance from proposed*	VY 550 & US HWY 64 Bloomfie		th HWY 550 37.8 No. of Acres in leas	0.11	-	San Juan g Unit dedicated to this	Illou	NM
	location to nearest property or lease line, ft. (Also to nearest drig. unit)	ine, if any) 574?		160 acres	c	12,807.24			•
	 Distance from proposed loc to nearest well, drilling, con applied for, on this lease, ft. 	ation* npleted		Proposed Depth		20. BLM/E	BIA Bond No. on file	OIL CO	NS. DIV DIST
~	21. Elevations (Show whether	20'		12966.09' MD / 469 Approximate date v	the second se	B0015	76 23. Estimated durat	ion tra	US DIST
R	6748' GR.	DI, RDD, RI, GD, W.)		pril 1, 2016	NOIR WIII 3	tal t	1 month	NON	29 2016
				. Attachments					2010
		tered surveyor. location is on National Forest System the appropriate Forest Service Off		the 5. Opera 6. Such	20 above). tor certific	ation.	unless covered by an rmation and/or plans		
	25. Signature A	AK)		Name (Printed/Typ				Date 11	7
	Title	\square		Lacey Granillo				4-	7-16
	Permit Technician III	Hin _						1.00	<u> </u>
	Approved by (Signature)	Martiso)	Name (Printed/Typ	ed)			Date	28/16
	Title	AFM		Office	FF	5		,	
	Application approval does not w operations thereon. Conditions of approval, if any, a	variant or certify that the applicant h	olds legal or	equitable title to the	ose rights in	a the subject l	ease which would entit	tle the applicant	to conduct
	Title 18 U.S.C. Section 1001 an	d Title 43 U.S.C. Section 1212, m				d willfully to	make to any departme	ent or agency of	the United
	*(Instructions on reverse)								
	WPX Energy Production, LLC, use plans.	proposes to develop the Lybrook N	fancos W fo	rmation at the above	e described	location in a	ccordance with the atta	ched drilling an	ad surface
	The well pad surface is under ju	risdiction of the BLM and FIMO and	nd is on lease	e on IA lands and w	ill be twinn	ed with the V	W. Lybrook Unit #7261	1/729H/759H/7	60H761H.
	This location has been archaeolo	ogically surveyed by Western. Copi	es of their re	port have been subr	nitted direc	tly to the BL	M, FIMO, BIA & NNI	HPD.	
	The new 9392.6' on lease road of	n Navajo Alloted surface will be b	uilt and perm	nitted via the APD.					
	A new 89.4' on lease pipeline of	BLM lands will be built and perm	itted via the	APD, 4793.6' will b	e on Navaj	o Alloted sur	face.		
	The facilities for the well will be	located on the Remote Facilities P	ad 23-8-18D	located on BLM su	irface and v	will be built &	& permitted via the AP	D.	
		ð -			BL	M'S APP	ROVAL OR ACC	TEPTANO	0.00
RILLIN	G OPERATIONS AUTHORIZED	This action is subject to technical and procedural re-	MIAIM	DCD B/	AC	TION DO	ES NOT RELIE	VE THE LE	ESSEE AND

ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

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

> 24 8.

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



WPXENERGY.

WPX Energy

Operations Plan

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

w

Date:	April 14, 2016	Field:	Lybrook Mancos
Well Name:	W Lybrook Unit 728H	Surface:	IA
SH Location:	SWSW Sec 23 23N-09W	Elevation:	6748' GR
BH Location:	SWSW Sec 15 23N-09W	Minerals:	IA
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Measured Depth: 12,966.09'

I. GEOLOGY

Surface formation - NACIMIENTO

A. FORMATION T	OPS: (KB)	如天后的第三人称单数	and a shift have all a	A Chick Manual Parties	A Charles State		
NAME	MD	TVD	NAME	MD	TVD		
OJO ALAMO	322	322	POINT LOOKOUT	3448	3389		
KIRTLAND	484	484	MANCOS	3627	3564		
PICTURED CLIFFS	1055	1052	GALLUP	3974	3903		
LEWIS	1177	1171	KICKOFF POINT	3,941.40	3,871.01		
CHACRA	1363	1353	TOP TARGET	4909	4633		
CLIFF HOUSE	2497	2460	LANDING POINT	5,137.31	4,674.00		
MENEFEE	2514	2477	BASE TARGET	5,137.31	4,674.00		
San Barbara		the second	TD	12,966.09	4,693.00		

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

GRAM:	and and an and a second second		Contractoristic 1	A LAS		
OH SIZE (IN)	DEPTH (MD)	CSG SIZE	WEIGHT	GRADE	CONN	
12.25"	320.00'	9.625"	36 LBS	J-55 or equiv	STC	
8.75"	5,137.31	7"	23 LBS	J-55 or equiv	LTC	
6.125"	4987.31' - 12,966.09'	4.5"	11.6 LBS	P-110 or equiv	LTC	
6.125"	Surf 4987.31'	4.5"	11.6 LBS	P-110 or equiv	LTC	
	OH SIZE (IN) 12.25" 8.75" 6.125"	OH SIZE (IN) DEPTH (MD) 12.25" 320.00' 8.75" 5,137.31' 6.125" 4987.31' - 12,966.09	OH SIZE (IN) DEPTH (MD) CSG SIZE 12.25" 320.00' 9.625" 8.75" 5,137.31' 7" 6.125" 4987.31' - 12,966.09 4.5"	OH SIZE (IN) DEPTH (MD) CSG SIZE WEIGHT 12.25" 320.00' 9.625" 36 LBS 8.75" 5,137.31' 7" 23 LBS 6.125" 4987.31' - 12,966.09 4.5" 11.6 LBS	OH SIZE (IN) DEPTH (MD) CSG SIZE WEIGHT GRADE 12.25" 320.00' 9.625" 36 LBS J-55 or equiv 8.75" 5,137.31* 7" 23 LBS J-55 or equiv 6.125" 4987.31' - 12,966.09 4.5" 11.6 LBS P-110 or equiv	

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.

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.



Spacer #1: 20 bbl (112 cuft) Chemwash. Lead Cement: 92 bbls, 263 sks, (519 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/ +/- 202 bbl Drilling mud or water. Total Cement: 151 bbls, 518 sks, (850 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 TM System. Yield 1.36 cuft/sk 13.3 ppg (782 sx /1063 cuft /189 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/-175 bbl Fr Water. Total Cement (782 sx

D. COMPLETION:

NOTES:

Run CCL for perforating

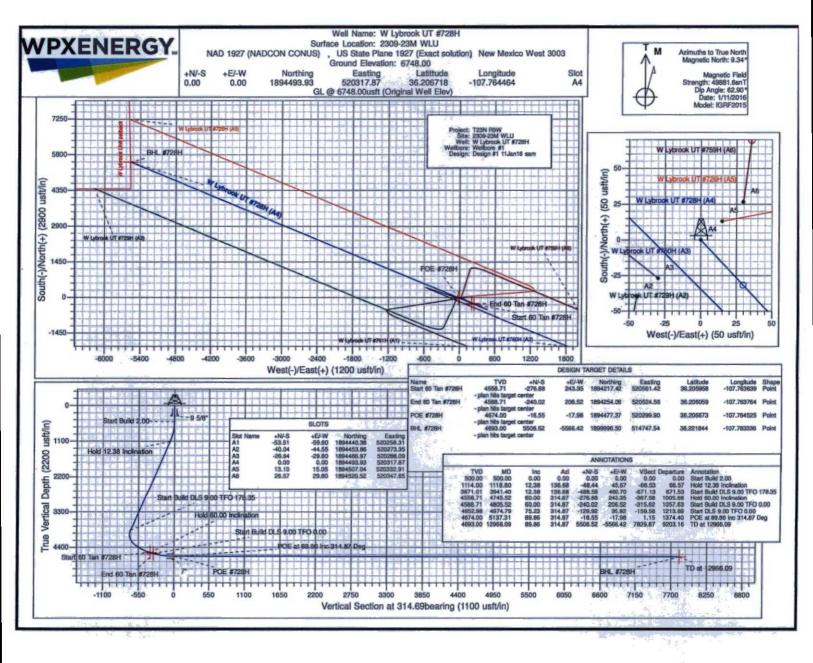
A. PRESSURE TEST:

- 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. Production Tubing: 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.

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).



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WPX Energy

T23N R9W 2309-23M WLU W Lybrook UT #728H - Slot A4

Wellbore #1

Plan: Design #1 11Jan16 sam

Standard Planning Report

12 January, 2016

WPX

Planning Report

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Database: Company:		PASS Energy			TVD Refe	-ordinate Refe	rence:	Well W Lybrook GL @ 6748.00u	and the second second	
roject:		R9W			MD Refer			GL @ 6748.000		
ite:		-23M WLU			North Re			True	ion (onginai i	
Vell:	WLy	brook UT #728	вн			alculation Met	hod:	Minimum Curva	ture	
Vellbore:		ore #1								
Design:	Desig	gn #1 11Jan16	sam	AS BLUE	S. Breach		0.359/2			
Project	T23N	R9W			States and services		San Alaka	all the second		
Map System:	US Sta	te Plane 1927	(Exact solutio	n)	System Da	atum:	M	ean Sea Level		
Geo Datum:		27 (NADCON								
Map Zone:	New Me	exico West 300)3							
Site	2309-2	23M WLU			Index Constant					
Site Position:			Nor	thing:	1,894	4,520.52 usft	Latitude:			36.2067
From:	Ma	IP .	Eas	ting:	520	0,347.65 usft	Longitude:			-107.7643
Position Uncert	ainty:	0.	00 usft Slot	Radius:		13.200 in	Grid Converg	jence:		0.0
Well	W Lyb	rook UT #728	I - Slot A4					dis tanana		
Well Position	+N/-S	-26	.57 usft	Northing:		1,894,493.93	usft Lat	itude:		36.2067
	+E/-W	-29	.80 usft	Easting:		520,317.87	usft Lor	ngitude:		-107.7644
Position Uncerta	ainty	C	0.00 usft	Wellhead Elevat	ion:	0.00	usft Gro	ound Level:		6,748.00 1
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Magnetics	M	odel Name	Sam	ple Date	Declina (°)			Angle °)		Strength (nT)
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WPX

Planning Report

Database: Company: Project: Site: Nell: Nellbore: Design:		COMPASS WPX Energy T23N R9W 2309-23M WL W Lybrook UT Wellbore #1 Design #1 11J	#728H		TVD R MD Re North	Co-ordinate Re eference: ference: Reference: / Calculation N		Well W Lybrook UT #728H (A4) - Slot A4 GL @ 6748.00usft (Original Well Elev) GL @ 6748.00usft (Original Well Elev) True Minimum Curvature			
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	00.00	12.38	136.68	1,974.72	-185.85	175.24	-255.28	0.00	0.00	0.00	
	00.00	12.38	136.68	2,463.10	-263.81	248.76	-362.38	0.00	0.00	0.00	
3,0	00.00	12.38	136.68	2,951.48	-341.78	322.28	-469.48	0.00	0.00	0.00	
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	45.52	60.00	314.87	4,558.71	-276.68	243.35	-367.58	9.00	9.00	0.10	
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	00.00	89.86	314.87	4,676.09	592.07	-629.39	863.83	0.00	0.00	0.00	
	00.00	89.86	314.87	4,677.31	944.81	-983.75	1,363.83	0.00	0.00	0.00	
	00.00	89.86	314.87	4,678.52	1,297.55	-1,338.11	1,863.82	0.00	0.00	0.00	
	00.00	89.86	314.87	4,679.73	1,650.29	-1,692.47	2,363.82	0.00	0.00	0.00	
0000000	00.00	89.86	314.87	4,680.95	2,003.03	-2,046.84	2,863.81	0.00	0.00	0.00	
	00.00	89,86	314.87	4,682.16	2,355.77	-2,401.20	3,363.81	0.00	0.00	0.00	
	00.00	89,86	314.87	4,683.37	2,708.51	-2,755.56	3,863.81	0.00	0.00	0.00	
	00.00	89.86	314.87	4,684.59	3,061.25	-3,109.92	4,363.80	0.00	0.00	0.00	
	00.00	89.86	314.87	4,685.80	3,414.00	-3,464.28	4,863.80	0.00	0.00	0.00	
10,50	00.00	89.86	314.87	4,687.02	3,766.74	-3,818.64	5,363.79	0.00	0.00	0.00	
11,00	00.00	89.86	314.87	4,688.23	4,119.48	-4,173.01	5,863.79	0.00	0.00	0.00	
11,50	00.00	89.86	314.87	4,689.44	4,472.22	-4,527.37	6,363.79	0.00	0.00	0.00	
	00.00	89.86	314.87	4,690.66	4,824.96	-4,881.73	6,863.78	0.00	0.00	0.00	
	00.00	89.86	314.87	4,691.87	5,177.70	-5,236.09	7,363.78	0.00	0.00	0.00	
12,96	66.09	89.86	314.87	4,693.00	5,506.52	-5,566.42	7,829.87	0.00	0.00	0.00	

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WPX



Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	COMPASS WPX Energy T23N R9W 2309-23M WI W Lybrook UT Wellbore #1 Design #1 11.	T #728H			TVD Refere MD Referen North Refer	ice:	GL @ 6748	rook UT #728H (A4) - 8.00usft (Original Well 8.00usft (Original Well Curvature	Elev)
Design Targets Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (u s ft)	Easting (usft)	Latitude	Longitude
Start 60 Tan #728H - plan hits target ca - Point	0.00 enter	0.00	4,558.71	-276.68	243.35	1,894,217.43	520,561.42	36.205958	-107.7 <mark>636</mark> 39
End 60 Tan #728H - plan hits target ce - Point	0.00 enter	0.00	4,588.71	-240.02	206.52	1,894,254.06	520,524.56	36.206059	-107.763764
POE #728H - plan hits target ce - Point	0.00 enter	0.00	4,674.00	-16.55	-17.98	1,894,477.37	520,299.90	36.206673	-107.764525
BHL #728H - plan hits target ce - Point	0.00 enter	0.00	4,693.00	5,506.52	-5,566.42	1,899,996.50	514,747.54	36.221844	-107.783336

Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (in)	Hole Diameter (in)
320.00	320.00	9 5/8"		9.625	12.250
5,137.00	4,674.00	7"		7.000	8.750

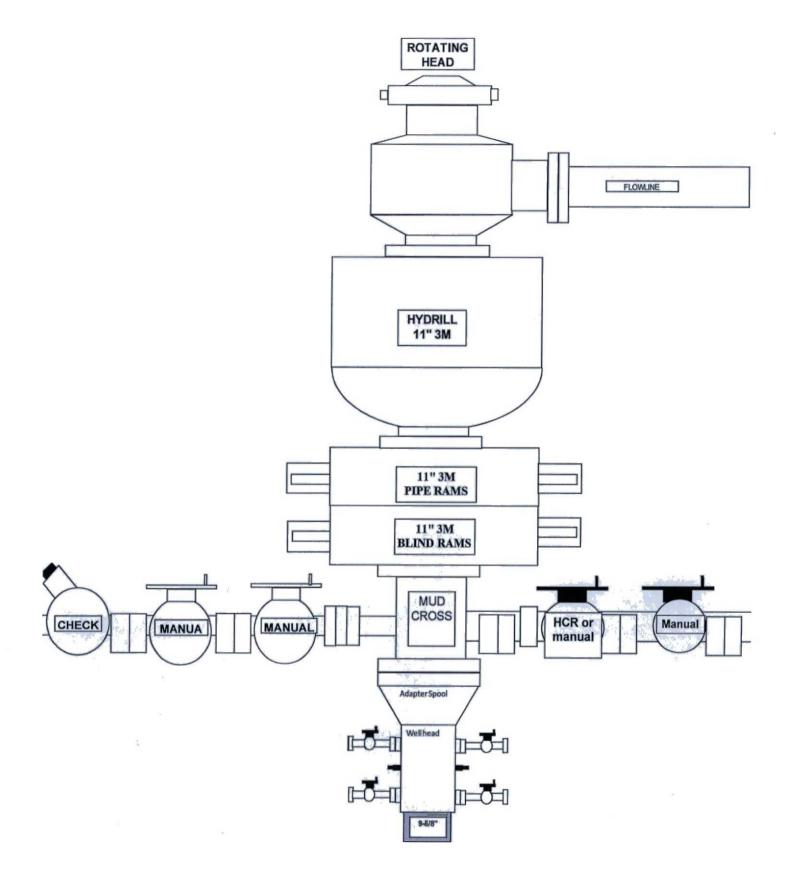
Plan Annotations

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
1,118.80	1,114.00	-48.44	45.67	Hold 12.38 Inclination
3,941.40	3,871.01	-488.58	460.70	Start Build DLS 9.00 TFO 178.35
4,745.52	4,558.71	-276.68	243.35	Hold 60.00 Inclination
4,805.52	4,588.71	-240.02	206.52	Start Build DLS 9.00 TFO 0.00
4,974.79	4,652.98	-129.92	95.92	Start DLS 9.00 TFO 0.00
5,137.31	4,674.00	-16.55	-17.98	POE at 89.86 Inc 314.87 Deg
12,966.09		5,506.52	-5,566.42	TD at 12966.09

A. Cuttings

- 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:
 - 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
 - b. 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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Directions from the Intersection of US Hwy 550 & US Hwy 64

in Bloomfield, NM to WPX Energy Production, LLC W Lybrook Unit #728H

574' FSL & 598' FWL, Section 23, T23N, R9W, N.M.P.M., San Juan County, NM

Latitude: 36.206731°N Longitude: 107.765077°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 #728H location.