

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 22 2016

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

WPX Energy Production, LLC

3a. Address

PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1808

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 550' FNL & 1508' FEL SEC 34 23N 9W

BHL: 399' FNL & 1516' FEL SEC 34 23N 9W

5. Lease Serial No.

NMNM 057164

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

Lybrook 2309 34B #765

9. API Well No.

30-045-35731

10. Field and Pool or Exploratory Area

Basin Mancos

11. Country or Parish, State

San Juan, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>Change in Plans</u>
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WPX request a change in plans per attached Directional Drill Plans.

OIL CONS. DIV DIST. 3

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations

MAR 28 2016
ADHERE TO PREVIOUS NMOC
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Marie E. Jaramillo		Title Permit Tech III	
Signature <i>Marie E. Jaramillo</i>		3/21/16	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by <i>Abdelgadi Elmadani</i>		Title PE	Date 3/23/16
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office FFU	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDAV

WPX Energy

T23N R9W

2309-34B WLU

Lybrook 2309-34B #765 - Slot A3

Wellbore #1

Plan: Design #3 16Feb16 sam

Standard Planning Report - Geographic

16 February, 2016

WPX
Planning Report - Geographic

Database:	COMPASS	Local Co-ordinate Reference:	Well Lybrook 2309-34B #765 (A3) - Slot A3
Company:	WPX Energy	TVD Reference:	GL @ 6696.00usft (Original Well Elev)
Project:	T23N R9W	MD Reference:	GL @ 6696.00usft (Original Well Elev)
Site:	2309-34B WLU	North Reference:	True
Well:	Lybrook 2309-34B #765	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3 16Feb16 sam		

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	2309-34B WLU		
Site Position:		Northing:	1,888,108.09 usft
From:	Lat/Long	Easting:	518,148.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	36.189179
		Longitude:	-107.771830
		Grid Convergence:	0.04 °

Well	Lybrook 2309-34B #765 - Slot A3		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.189179
		Longitude:	-107.771830
		Ground Level:	6,696.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	1/8/2016	9.35
			Dip Angle
			(°)
			Field Strength
			(nT)
			49,872

Design	Design #3 16Feb16 sam		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(bearing)
			0.00

Plan Sections										
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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
751.95	5.04	357.23	751.62	11.06	-0.53	2.00	2.00	0.00	357.23	
2,180.35	5.04	357.23	2,174.50	136.37	-6.59	0.00	0.00	0.00	0.00	
2,516.28	0.00	0.00	2,510.00	151.12	-7.30	1.50	-1.50	0.00	180.00	BHL #765 16Feb16 sam
6,816.28	0.00	0.00	6,810.00	151.12	-7.30	0.00	0.00	0.00	0.00	

WPX
Planning Report - Geographic

Database: COMPASS
Company: WPX Energy
Project: T23N R9W
Site: 2309-34B WLU
Well: Lybrook 2309-34B #765
Wellbore: Wellbore #1
Design: Design #3 16Feb16 sam

Local Co-ordinate Reference: Well Lybrook 2309-34B #765 (A3) - Slot A3
TVD Reference: GL @ 6696.00usft (Original Well Elev)
MD Reference: GL @ 6696.00usft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	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	1,888,108.09	518,148.80	36.189179	-107.771830
320.00	0.00	0.00	320.00	0.00	0.00	1,888,108.09	518,148.80	36.189179	-107.771830
9 5/8"									
500.00	0.00	0.00	500.00	0.00	0.00	1,888,108.09	518,148.80	36.189179	-107.771830
Start Build 2.00									
751.95	5.04	357.23	751.62	11.06	-0.53	1,888,119.15	518,148.26	36.189209	-107.771832
Hold 5.04 Inclination									
1,000.00	5.04	357.23	998.72	32.82	-1.59	1,888,140.91	518,147.19	36.189269	-107.771836
1,500.00	5.04	357.23	1,496.78	76.69	-3.70	1,888,184.77	518,145.04	36.189390	-107.771843
2,000.00	5.04	357.23	1,994.85	120.55	-5.82	1,888,228.64	518,142.90	36.189510	-107.771850
2,180.35	5.04	357.23	2,174.50	136.37	-6.59	1,888,244.46	518,142.12	36.189554	-107.771853
Start Drop -1.50									
2,500.00	0.24	357.23	2,493.72	151.08	-7.30	1,888,259.17	518,141.40	36.189594	-107.771855
2,516.28	0.00	0.00	2,510.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Vertical									
3,000.00	0.00	0.00	2,993.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
3,500.00	0.00	0.00	3,493.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
4,000.00	0.00	0.00	3,993.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
4,276.28	0.00	0.00	4,270.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Mancos Lower									
4,381.28	0.00	0.00	4,375.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
El Vado									
4,420.28	0.00	0.00	4,414.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Mancos Unc									
4,454.28	0.00	0.00	4,448.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
PS3									
4,487.28	0.00	0.00	4,481.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
PS2									
4,500.00	0.00	0.00	4,493.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
4,508.28	0.00	0.00	4,502.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
PS1									
4,967.28	0.00	0.00	4,961.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Sanastee									
5,000.00	0.00	0.00	4,993.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
5,196.28	0.00	0.00	5,190.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Greenhorn									
5,281.28	0.00	0.00	5,275.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Dakota									
5,500.00	0.00	0.00	5,493.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
6,000.00	0.00	0.00	5,993.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
6,500.00	0.00	0.00	6,493.72	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
6,516.28	0.00	0.00	6,510.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
Entrada									
6,816.28	0.00	0.00	6,810.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855
TD at 6816.28									

WPX
Planning Report - Geographic

Database: COMPASS
Company: WPX Energy
Project: T23N R9W
Site: 2309-34B WLU
Well: Lybrook 2309-34B #765
Wellbore: Wellbore #1
Design: Design #3 16Feb16 sam

Local Co-ordinate Reference: Well Lybrook 2309-34B #765 (A3) - Slot A3
TVD Reference: GL @ 6696.00usft (Original Well Elev)
MD Reference: GL @ 6696.00usft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
BHL #765 16Feb16 sam - plan hits target center - Circle (radius 25.00)	0.00	0.00	2,510.00	151.12	-7.30	1,888,259.20	518,141.40	36.189594	-107.771855

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
320.00	320.00	9 5/8"	9.620	12.250

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
4,276.28	4,270.00	Mancos Lower		0.00	
4,381.28	4,375.00	El Vado		0.00	
4,420.28	4,414.00	Mancos Unc		0.00	
4,454.28	4,448.00	PS3		0.00	
4,487.28	4,481.00	PS2		0.00	
4,508.28	4,502.00	PS1		0.00	
4,967.28	4,961.00	Sanastee		0.00	
5,196.28	5,190.00	Greenhorn		0.00	
5,281.28	5,275.00	Dakota		0.00	
6,516.28	6,510.00	Entrada		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.00	500.00	0.00	0.00	Start Build 2.00
751.95	751.62	11.06	-0.53	Hold 5.04 Inclination
2,180.35	2,174.50	136.37	-6.59	Start Drop -1.50
2,516.28	2,510.00	151.12	-7.30	Vertical
6,816.28	6,810.00	151.12	-7.30	TD at 6816.28

