

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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 reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
BOPCO, L. P.3a. Address
P. O. Box 2760, Midland, TX 797023b. Phone No. (include area code)
432-683-2277

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

Surface: NENW,UL C, 325' FNL, 1980' FWL, Sec 22, T25S, R30E, Lat N32.122077, Long W103.870708
Bottom Hole: 330' FSL, 1980' FWL, Sec. 22, T25S, R30E, Lat: N32.109236, Long: W103.870658

5. Lease Serial No.

NMLC063875A

6. If Indian, Allottee or Tribe Name

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

NMNM071016X

8. Well Name and No.

PLU Phantom Banks 22 25 30 USA 1H

9. API Well No.

30-015-40763

10. Field and Pool, or Exploratory Area

Corral Canyon; Bone Spring

11. County or Parish, State

Eddy County, NM

12. CHECK 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	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

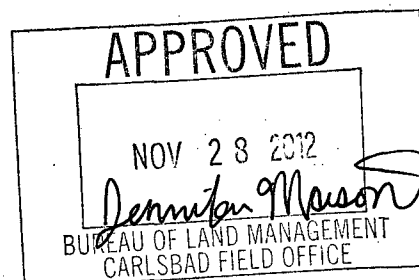
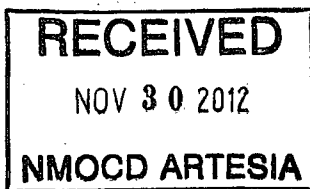
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests the following change for the above captioned well:

Change the target formation of the lateral from the Lower Avalon Shale to the 1st Bone Spring Shale. The new end of curve is planned at 9,386' MD (9,110' TVD) with the TD of the lateral at 13,577' MD (9,080' TVD). Please see the attached directional plan reflecting the requested changes.

Accepted for record
NMOCD

12/3/2012



will need additional cement on production string

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Christopher Giese

Title Drilling Engineer

Signature

Date

11/21/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

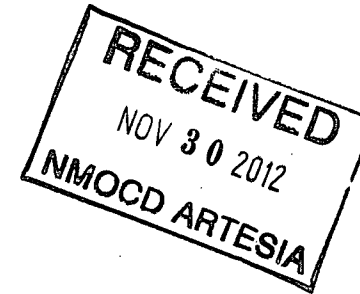
Office

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)



PHOENIX
TECHNOLOGY SERVICES



Bopco L P

Eddy County NM, (NAD 83)

PLU Phantom Banks 22-25-30 USA 1H (CVX)

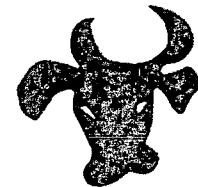
Job # 1211114

Rig: Latshaw 14

Plan: Plan 1 11-15-2012

Chesapeake Energy, Planning Report

15 November, 2012





Company: Bopco LP
Project: Eddy County NM, (NAD 83)
Site: PLU Phantom Banks 22-25-30 USA 1H (CVX)
Well: Job # 1211114
Wellbore: Rig: Latshaw 14
Design: Plan 1 11-15-2012

Local Co-ordinate Reference: Well Job # 1211114
TVD Reference: WELL @ 3351.00usft (Latshaw 14)
MD Reference: WELL @ 3351.00usft (Latshaw 14)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass5000

Project: Eddy County NM, (NAD 83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site: PLU Phantom Banks 22-25-30 USA 1H (CVX)

Site Position:	From:	Map	0.00 usft	Northing:	408,500.00 usft	Latitude:	32° 7' 19.9277 N
				Easting:	684,407.00 usft	Longitude:	103° 52' 16.2813 W
Position Uncertainty:				Slot Radius:	13-3/16 "	Grid Convergence:	0.25 °

Well: Job # 1211114

Well Position	+N/-S	0.00 usft	Northing:	408,500.00 usft	Latitude:	32° 7' 19.9277 N
	+E/-W	0.00 usft	Easting:	684,407.00 usft	Longitude:	103° 52' 16.2813 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	17.00 usft	Ground Level:	3,334.00 usft

Wellbore: Rig: Latshaw 14

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	11/15/12	7.54	60.01	48,381

Design: Plan 1 11-15-2012

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.56

Survey Tool Program: Date 11/15/12

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	13,577.12	Plan 1 11-15-2012 (Rig: Latshaw 14)	MWD	MWD - Standard



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 Design: Plan 1 11-15-2012

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 MD Reference: WELL @ 3351.00usft (Latshaw 14)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	3,351.00	0.00	0.00	0.00	0.00	0.00	408,500.00	684,407.00
8,632.50	0.00	0.00	-5,281.50	8,632.50	0.00	0.00	0.00	0.00	408,500.00	684,407.00
KOP Build @ 12°/100'										
8,640.00	0.90	179.56	-5,289.00	8,640.00	-0.06	0.00	0.06	12.00	408,499.94	684,407.00
8,730.00	11.70	179.56	-5,378.32	8,729.32	-9.92	0.08	9.92	12.00	408,490.08	684,407.08
8,820.00	22.50	179.56	-5,464.22	8,815.22	-36.34	0.28	36.34	12.00	408,463.66	684,407.28
8,910.00	33.30	179.56	-5,543.64	8,894.64	-78.39	0.60	78.39	12.00	408,421.61	684,407.60
9,000.00	44.10	179.56	-5,613.78	8,964.78	-134.57	1.03	134.57	12.00	408,365.43	684,408.03
9,090.00	54.89	179.56	-5,672.15	9,023.15	-202.90	1.56	202.90	12.00	408,297.10	684,408.56
9,180.00	65.69	179.56	-5,716.68	9,067.68	-280.95	2.16	280.96	12.00	408,219.05	684,409.16
9,270.00	76.49	179.56	-5,745.80	9,096.80	-365.97	2.81	365.98	12.00	408,134.03	684,409.81
9,360.00	87.29	179.56	-5,758.48	9,109.48	-454.93	3.49	454.95	12.00	408,045.07	684,410.49
9,385.99	90.41	179.56	-5,759.00	9,110.00	-480.92	3.69	480.93	12.00	408,019.08	684,410.69
LP @ 9110' TVD										
9,450.00	90.41	179.56	-5,758.54	9,109.54	-544.92	4.18	544.94	0.00	407,955.08	684,411.18
9,540.00	90.41	179.56	-5,757.90	9,108.90	-634.92	4.88	634.93	0.00	407,865.08	684,411.88
9,630.00	90.41	179.56	-5,757.25	9,108.25	-724.91	5.57	724.93	0.00	407,775.09	684,412.57
9,720.00	90.41	179.56	-5,756.61	9,107.61	-814.91	6.26	814.93	0.00	407,685.09	684,413.26
9,810.00	90.41	179.56	-5,755.97	9,106.97	-904.90	6.95	904.93	0.00	407,595.10	684,413.95
9,900.00	90.41	179.56	-5,755.32	9,106.32	-994.90	7.64	994.92	0.00	407,505.10	684,414.64
9,990.00	90.41	179.56	-5,754.68	9,105.68	-1,084.89	8.33	1,084.92	0.00	407,415.11	684,415.33
10,080.00	90.41	179.56	-5,754.03	9,105.03	-1,174.89	9.03	1,174.92	0.00	407,325.11	684,416.03
10,170.00	90.41	179.56	-5,753.39	9,104.39	-1,264.88	9.72	1,264.92	0.00	407,235.12	684,416.72
10,260.00	90.41	179.56	-5,752.75	9,103.75	-1,354.88	10.41	1,354.92	0.00	407,145.12	684,417.41
10,350.00	90.41	179.56	-5,752.10	9,103.10	-1,444.87	11.10	1,444.91	0.00	407,055.13	684,418.10
10,440.00	90.41	179.56	-5,751.46	9,102.46	-1,534.87	11.79	1,534.91	0.00	406,965.13	684,418.79
10,530.00	90.41	179.56	-5,750.81	9,101.81	-1,624.86	12.49	1,624.91	0.00	406,875.14	684,419.49



Company: Bopco L P
 Project: Eddy County NM, (NAD 83)
 Site: PLU Phantom Banks 22-25-30 USA 1H (CVX)
 Well: Job # 1211114
 Wellbore: Rig: Latshaw 14
 Design: Plan 1 11-15-2012

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:
 Well Job # 1211114
 WELL @ 3351.00usft (Latshaw 14)
 WELL @ 3351.00usft (Latshaw 14)
 Grid
 Minimum Curvature
 Compass5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,620.00	90.41	179.56	-5,750.17	9,101.17	-1,714.86	13.18	1,714.91	0.00	406,785.14	684,420.18
10,710.00	90.41	179.56	-5,749.52	9,100.52	-1,804.85	13.87	1,804.90	0.00	406,695.15	684,420.87
10,800.00	90.41	179.56	-5,748.88	9,099.88	-1,894.85	14.57	1,894.90	0.00	406,605.15	684,421.57
10,890.00	90.41	179.56	-5,748.24	9,099.24	-1,984.84	15.26	1,984.90	0.00	406,515.16	684,422.26
10,980.00	90.41	179.56	-5,747.59	9,098.59	-2,074.84	15.95	2,074.90	0.00	406,425.16	684,422.95
11,070.00	90.41	179.56	-5,746.95	9,097.95	-2,164.83	16.64	2,164.89	0.00	406,335.17	684,423.64
11,160.00	90.41	179.56	-5,746.30	9,097.30	-2,254.83	17.34	2,254.89	0.00	406,245.17	684,424.34
11,250.00	90.41	179.56	-5,745.66	9,096.66	-2,344.82	18.03	2,344.89	0.00	406,155.18	684,425.03
11,340.00	90.41	179.56	-5,745.02	9,096.02	-2,434.82	18.72	2,434.89	0.00	406,065.18	684,425.72
11,430.00	90.41	179.56	-5,744.37	9,095.37	-2,524.81	19.42	2,524.89	0.00	405,975.19	684,426.42
11,520.00	90.41	179.56	-5,743.73	9,094.73	-2,614.81	20.11	2,614.88	0.00	405,885.19	684,427.11
11,610.00	90.41	179.56	-5,743.08	9,094.08	-2,704.80	20.81	2,704.88	0.00	405,795.20	684,427.81
11,700.00	90.41	179.56	-5,742.44	9,093.44	-2,794.80	21.50	2,794.88	0.00	405,705.20	684,428.50
11,790.00	90.41	179.56	-5,741.79	9,092.79	-2,884.79	22.19	2,884.88	0.00	405,615.21	684,429.19
11,880.00	90.41	179.56	-5,741.15	9,092.15	-2,974.79	22.89	2,974.87	0.00	405,525.21	684,429.89
11,970.00	90.41	179.56	-5,740.51	9,091.51	-3,064.78	23.58	3,064.87	0.00	405,435.22	684,430.58
12,060.00	90.41	179.56	-5,739.86	9,090.86	-3,154.78	24.28	3,154.87	0.00	405,345.22	684,431.28
12,150.00	90.41	179.56	-5,739.22	9,090.22	-3,244.77	24.97	3,244.87	0.00	405,255.23	684,431.97
12,240.00	90.41	179.56	-5,738.57	9,089.57	-3,334.77	25.67	3,334.86	0.00	405,165.23	684,432.67
12,330.00	90.41	179.56	-5,737.93	9,088.93	-3,424.76	26.36	3,424.86	0.00	405,075.24	684,433.36
12,420.00	90.41	179.56	-5,737.29	9,088.29	-3,514.76	27.06	3,514.86	0.00	404,985.24	684,434.06
12,510.00	90.41	179.56	-5,736.64	9,087.64	-3,604.75	27.75	3,604.86	0.00	404,895.25	684,434.75
12,600.00	90.41	179.56	-5,736.00	9,087.00	-3,694.75	28.45	3,694.86	0.00	404,805.25	684,435.45
12,690.00	90.41	179.56	-5,735.35	9,086.35	-3,784.74	29.14	3,784.85	0.00	404,715.26	684,436.14
12,780.00	90.41	179.56	-5,734.71	9,085.71	-3,874.74	29.84	3,874.85	0.00	404,625.26	684,436.84
12,870.00	90.41	179.56	-5,734.06	9,085.06	-3,964.73	30.53	3,964.85	0.00	404,535.27	684,437.53
12,960.00	90.41	179.56	-5,733.42	9,084.42	-4,054.73	31.23	4,054.85	0.00	404,445.27	684,438.23



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 Design: Plan 1 11-15-2012

Local Co-ordinate Reference: Well Job # 1211114
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 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
13,050.00	90.41	179.56	-5,732.78	9,083.78	-4,144.72	31.92	4,144.84	0.00	404,355.28	684,438.92
13,140.00	90.41	179.56	-5,732.13	9,083.13	-4,234.72	32.62	4,234.84	0.00	404,265.28	684,439.62
13,230.00	90.41	179.56	-5,731.49	9,082.49	-4,324.71	33.31	4,324.84	0.00	404,175.29	684,440.31
13,320.00	90.41	179.56	-5,730.84	9,081.84	-4,414.71	34.01	4,414.84	0.00	404,085.29	684,441.01
13,410.00	90.41	179.56	-5,730.20	9,081.20	-4,504.70	34.71	4,504.83	0.00	403,995.30	684,441.71
13,500.00	90.41	179.56	-5,729.55	9,080.55	-4,594.70	35.40	4,594.83	0.00	403,905.30	684,442.40
13,577.31	90.41	179.56	-5,729.00	9,080.00	-4,672.00	36.00	4,672.14	0.00	403,828.00	684,443.00

TD @ 13577.31' MD

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
3,850.00	3,850.00	8 5/8"	8-5/8	12-1/4
13,577.00	9,080.00	5 1/2"	5-1/2	6
1,300.00	1,300.00	13 3/8"	13-3/8	17-1/2



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Well Job # 1211114
 WELL @ 3351.00usft (Latshaw 14)
 WELL @ 3351.00usft (Latshaw 14)
 Grid
 Minimum Curvature
 Compass5000

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,995.00	3,995.00	Ramsey		-0.41	179.56
3,980.00	3,980.00	Bell Canyon		-0.41	179.56
7,759.00	7,759.00	Bone Spring		-0.41	179.56
1,461.00	1,461.00	Salado		-0.41	179.56
8,324.00	8,324.00	Lower Avalon		-0.41	179.56
6,104.00	6,104.00	Brushy canyon		-0.41	179.56
3,962.00	3,962.00	Lamar		-0.41	179.56
4,890.00	4,890.00	Cherry canyon		-0.41	179.56
3,751.00	3,751.00	Base of Halite		-0.41	179.56
7,973.00	7,973.00	Upper Avalon		-0.41	179.56
2,170.00	2,170.00	Rustler		-0.41	179.56
9,328.63	9,110.00	Target @ 90° Inc		-0.41	179.56

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,632.50	8,632.50	0.00	0.00	KOP Build @ 12°/100'
9,385.99	9,110.00	-480.92	3.69	LP @ 9110' TVD
13,577.31	9,080.00	-4,672.00	36.00	TD @ 13577.31' MD

Checked By:

Approved By:

Date: