

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico **NM OIL CONSERVATION**
Energy Minerals and Natural Resources ARTESIA DISTRICT
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

OCT 09 2018

AMENDED REPORT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address BOPCO, L.P. 6401 HOLIDAY HILL ROAD, MIDLAND, TX 79707		2. OGRID Number 260737
3. Property Code 312176		4. API Number 30-015-45312
5. Property Name LOS MEDANOS 36-23-30 STATE		6. Well No. 701H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M	36	23 S	30 E		352'	SOUTH	1,214'	WEST	EDDY

*** Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	36	23 S	30 E		150'	NORTH	330'	WEST	EDDY

9. Pool Information

WILD/CAT; BONE SPRING	Pool Name WC-015 B-06 5233036D	Pool Code 97944
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Additional Well Information

11. Work Type NW	12. Well Type OIL	13. Cable/Rotary R	14. Lease Type STATE	15. Ground Level Elevation 3,412'
16. Multiple	17. Proposed Depth 15447'	18. Formation 2nd BONE SPRING SAND	19. Contractor	20. Spud Date 12/01/18
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	550	512	0'
Int1	12.25	9.625	40	3825	1336	650'
Prod	8.75	5.5	17	15447	2184	0'

Casing/Cement Program: Additional Comments

Prod: 8 3/4" hole fr/0-10463'. 8 1/2" hole 10463'-15447'. 5 1/2" P-110 csg will be run fr/0-15447

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM	5000	5000	CAMERON

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.

Signature:

Printed name: Joseph Parker

Title: Regulatory Coordinator

E-mail Address: joseph_parker@xtoenergy.com

Date: 10/08/18

Phone: 432-571-8233

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 10/10/18

Expiration Date: 10/10/20

Conditions of Approval Attached

This well is located on the Black Jack DI.

DDA: Submitted and approved with the BLM.

OCT 09 2018

Form C-102

Revised August 1, 2011

RECEIVED

District Office

AMENDED REPORT

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45312	² Pool Code 97944	³ Well Name WILDCAT; BONE SPRING
⁴ Property Code 312176	⁵ Property Name LOS MEDANOS 36-23-30 STATE	⁶ Well Number 701H
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁹ Elevation 3,412'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	23 S	30 E		352	SOUTH	1,214	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	23 S	30 E		150	NORTH	330	WEST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁶

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 461,824.6 N, X= 692,889.8 E
B - Y= 461,834.5 N, X= 694,232.8 E
C - Y= 459,182.9 N, X= 692,914.9 E
D - Y= 459,182.9 N, X= 694,253.6 E
E - Y= 456,540.4 N, X= 692,932.3 E
F - Y= 456,550.3 N, X= 694,270.5 E

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 461,765.3 N, X= 651,708.4 E
B - Y= 461,775.2 N, X= 653,049.6 E
C - Y= 459,123.7 N, X= 651,731.6 E
D - Y= 459,133.7 N, X= 653,070.3 E
E - Y= 456,481.2 N, X= 651,748.9 E
F - Y= 456,491.2 N, X= 653,087.1 E

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 456,901.0
X= 694,144.4
LAT.= 32.255129°N
LONG.= 103.839018°W

LAST TAKE POINT AND BOTTOM HOLE LOCATION
NAD 83 NME
Y= 461,677.0
X= 693,221.1
LAT.= 32.268289°N
LONG.= 103.841934°W

FIRST TAKE POINT
NAD 83 NME
Y= 456,692.9
X= 693,261.3
LAT.= 32.254568°N
LONG.= 103.841878°W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 456,841.8
X= 652,961.0
LAT.= 32.255006°N
LONG.= 103.838531°W

FIRST TAKE POINT
NAD 27 NME
Y= 456,833.7
X= 652,077.9
LAT.= 32.254445°N
LONG.= 103.841390°W

LAST TAKE POINT AND BOTTOM HOLE LOCATION
NAD 27 NME
Y= 461,617.7
X= 652,037.9
LAT.= 32.268146°N
LONG.= 103.841446°W

¹⁷ OPERATOR CERTIFICATION

I hereby 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 or a compulsory pooling order heretofore entered by the division.

[Signature] 9/14/18
Signature Date

JOSEPH PARKER
Printed Name
JOSEPH_PARKER@XTOENERGY.COM
E-mail Address

¹⁸ 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.

09-05-2018
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number IC/AW 2018081969

RWP 10-10-18

OCT 09 2018

Intent As Drilled

RECEIVED

API #		
Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 701H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23 S	30 E		352	SOUTH	1,214	WEST	EDDY
Latitude					Longitude			NAD	
32.255129					-103.839018			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23 S	30 E		150	SOUTH	330	WEST	EDDY
Latitude					Longitude			NAD	
32.254568					-103.841878			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	36	23 S	30 E		150	NORTH	330	WEST	EDDY
Latitude					Longitude			NAD	
32.268269					-103.841934			83	

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30	Well Number 401H

KZ 06/29/2018

NM STATE DRILLING PERMITTING

Los Medanos 36-23-30 701H

KB 3431		Deepest TVD	10039	KOP			9497	End of Curve	10463	Measured depth			15447
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Skcs Cement	TOC	
Surface	FW/Native	8.5 - 10.0	17.5	13.375	J-55 LTC	54.5	0	550	223	289	512	0	
Intermediate	Brine	9.0-10.3	12.25	9.625	J-55 LTC	40	0	3825	803	377	1180	650	
DV Tool								650	139	17	156	0	
Production	FW/Cut Brine	9.0-10.5	8-3/4" to EOC	5.5	P110 BTC	17	0	15447	1075	1109	2184	650	
	Cut Brine	9.3	8-1/2" to TD										

1st Stage
2nd Stage

Max Expected Surface Pressure
2646

BOP
Cameron SM Double Ram BOP
Test Pressure 5000

Total Vertical Section 4984

Contingencies

1. Once 9-5/8" casing is set, should wellbore stability become an issue before reaching the end of curve, 7" csg will be set, and the wellbore will resemble the 4-string design attached.
2. In either design, OBM may be used in production hole if production hole becomes unstable while drilling with WBM
3. DV Tool may be set in 9-5/8" fr/ 600' - 2000'
4. If cmt is not circulated to surface on 5.5" casing, it will be brought at least 500' into Intermediate shoe

4 String Contingency

NM STATE DRILLING PERMITTING

Los Medanos 36-23-30 701H

KB 3431

		Deepest TVD	10039	KOP			9497	End of Curve	10463	Measured depth		15447
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Sks Cement	TOC
Surface	FW/Native	8.5 - 10.0	17.5	13.375	J-55 LTC	54.5	0	550	238	237	475	0
1st Intermediate	Brine	9.0-10.3	12.25	9.625	J-55 LTC	40	0	3825	967	120	1088	0
2nd Intermediate (Contingency*)	FW/Native	9.0-10.3	10.875	7	P110 BTC	32	0	10463	2282	125	2407	0
Production	FW/Cut Brine	9.5-10.5	6	4.5	P110 BTC	13.5	9497	15447	0	710	710	9963
	OBM	9.3	6									

Max Expected Surface Pressure
2646

BOP
Cameron 5M Double Ram BOP
Test Pressure 5000

Total Vertical Section 4984

Contingencies

1. Requesting Exception to not get cmt to surface if 7" production string is set. Cement will be brought 500' in Intermediate Shoe if not circulated to surface
2. 7" csg may be set between KOP and Landing Point
3. DV Tool may be set in 9-5/8" fr/ 600' - 2000'
4. 4.5" liner will be brought kick-off point or 300' above end of 7" (Whichever is higher)