

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

ARTESIA DISTRICT

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. API Number 30-015-45312
4. Property Code 312126	5. Property Name LOS MEDANOS 36-23-30 STATE	6. Well No. 701H

7. Surface Location

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

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

WILDCAT; BONE SPRING 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

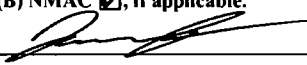
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	550	512	0'
Int1	12.25	9.625	40	3825	1336	650'
Prod	8.75	5.5	17	15447	2184	0'

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.

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 09 2018

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

RECEIVED

District Office

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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 Pool 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.

<p>¹⁶</p> <p>CORNER COORDINATES TABLE NAD 83 NME A - Y= 481,824.6 N, X= 692,889.8 E B - Y= 481,834.5 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</p> <p>CORNER COORDINATES TABLE NAD 27 NME A - Y= 481,765.3 N, X= 651,708.4 E B - Y= 481,775.2 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</p> <p>GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 456,901.0 X= 694,144.4 LAT.= 32.255129°N LONG.= 103.839018°W</p> <p>LAST TAKE POINT AND BOTTOM HOLE LOCATION NAD 83 NME Y= 481,677.0 X= 693,221.1 LAT.= 32.268289°N LONG.= 103.841934°W</p> <p>FIRST TAKE POINT NAD 83 NME Y= 456,692.9 X= 693,261.3 LAT.= 32.254568°N LONG.= 103.841878°W</p>		<p>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.</p> <p>Signature: <i>Joseph Parker</i> Date: 9/14/18</p> <p>Printed Name: JOSEPH PARKER</p> <p>E-mail Address: JOSEPH_PARKER@XTOENERGY.COM</p>	
<p>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.</p> <p>Date of Survey: 09-05-2018</p> <p>Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i></p> <p>MARK DILLON HARP 23786 Certificate Number JC/AW 2018081969</p>		<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 456,841.8 X= 652,981.0 LAT.= 32.255006°N LONG.= 103.838531°W</p> <p>LAST TAKE POINT AND BOTTOM HOLE LOCATION NAD 27 NME Y= 481,617.7 X= 652,037.9 LAT.= 32.268146°N LONG.= 103.841446°W</p> <p>FIRST TAKE POINT NAD 27 NME Y= 456,833.7 X= 652,077.9 LAT.= 32.254445°N LONG.= 103.841390°W</p>	

RWP 10-10-18

OCT 09 2018

Intent ☒ As Drilled ☐

API #

RECEIVED

Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 701H
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Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

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

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)