

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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 09 2018
RECEIVED

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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 30-015-45311
4. Property Code 312176	5. Property Name LOS MEDANOS 36-23-30 STATE	6. Well No. 401H

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		382'	SOUTH	1,215'	WEST	EDDY

8. 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

Pool Name WILDCAT; BONE SPRING NC-015-G-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 3,411'
16. Multiple	17. Proposed Depth 14006'	18. Formation LOWER AVALON SHALE	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	14006	2009	0'

Casing/Cement Program: Additional Comments

Prod: 8 3/4" hole fr/0-9022'. 8 1/2" hole 9022'-14006'. 5 1/2" P-110 csg will be run fr/0-14006'

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

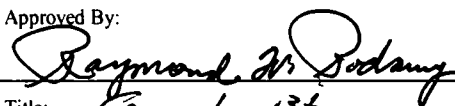
E-mail Address: joseph_parker@xtoenergy.com

Date: 10/8/18

Phone: 432-571-8233

OIL CONSERVATION DIVISION

Approved By:



Title:

Exec 109135

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

Form C-102

OCT 09 2018

Revised August 1, 2011

Submit one copy to appropriate

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- 45311	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 401H
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁹ Elevation 3,411'

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		382	SOUTH	1,215	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>¹⁷ OPERATOR CERTIFICATION</p> <p>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>[Signature]</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</p> <p>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>[Signature]</i></p> <p>MARK DILLON HARP 23786</p> <p>Certificate Number: JC/AW 2018081967</p>		

RWP. 10-10-18.

Intent ☒ As Drilled ☐

OCT 09 2018

API # 30-015-45311		RECEIVED	
Operator Name: BOPCO, L.P.		Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 401H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23 S	30 E		382	SOUTH	1,215	WEST	EDDY
Latitude 32.255212					Longitude -103.839016			NAD 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 32.254568					Longitude -103.841878			NAD 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 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:		Property Name:	Well Number

KZ 06/29/2018

NM STATE DRILLING PERMITTING

Los Medanos 36-23-30 401H

KB 3432

Casing Type	Fluid Type	Deepest TVD		KOP		8034		9072		Measured depth		14006
		Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Slur Cement	
Surface	FW/Naive Brine	8.5-10.0	17.5	13.75	J-55 LTC	54.5	0	550	223	289	512	0
Intermediate		9.0-10.3	12.25	9.875	J-55 LTC	40	0	3925	803	377	1180	650
DIV 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	14006	896	1113	2009	650
	Cut Brine	9.3	8-1/2" to TD									

Max Expected Surface Pressure
2259

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. DIV 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

Los Medanos 36-23-30 401H

K8 3432

NM STATE DRILLING PERMITTING

KB 3432		Deepest TVD			8568		KOP		8034		End of Curve		9022		Measured depth		14006	
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	TOC							
Surface	FW/Native Brine	8.5-10.0	17.5	13.375	J-55 LTC	54.5	0	550	238	237	0							
1st Intermediate		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	9022	1850	125	1975	0						
Production	FW/Cut Brine	9.5-10.5	6	4.5	P110 BTC	13.5	8034	14006	0	713	713	8522						
	OBM	9.3	6															

Max Expected Surface Pressure

2259

Total Vertical Section

4984

BOP

Cameron 5M Double Ram BOP

Test Pressure 5000

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/lb fr / 600' - 2000'
4. 4.5" liner will be brought kick-off point or 300' above end of 7" (Whichever is higher)