

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

OCT 09 2018

RECEIVED 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
4. Property Code 312176	5. Property Name LOS MEDANOS 36-23-30 STATE	3. API Number 30-015-45313
		6. Well No. 702H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	36	23 S	30 E		357'	SOUTH	2007'	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	1210'	WEST	EDDY

9. Pool Information

WILDCAT; BONE SPRING	Pool Name WC-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 3,412'
16. Multiple	17. Proposed Depth 15437'	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	15437	2183	0'

Casing/Cement Program: Additional Comments

Prod: 8 3/4" hole fr/0-10453'. 8 1/2" hole 10453'-15437'. 5 1/2" P-110 csg will be run fr/0-15437'

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: Geologist

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.

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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

OCT 09 2018 Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
RECEIVED
 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45313	² Pool Code 97944	WC.015.606 52330866 WILDCAT; BONE SPRING
⁴ Property Code 312176	⁵ Property Name LOS MEDANOS 36-23-30 STATE	⁶ Well Number 702H
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
N	36	23 S	30 E		357	SOUTH	2,007	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	1,210	WEST	EDDY

¹² Dedicated Acres 320	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= 481,824.6 N, X= 692,889.6 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= 459,192.9 N, X= 694,253.6 E
E - Y= 458,540.4 N, X= 692,932.3 E
F - Y= 458,550.3 N, X= 694,270.5 E

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 481,785.3 N, X= 651,708.4 E
B - Y= 481,775.2 N, X= 653,049.8 E
C - Y= 459,123.7 N, X= 651,731.8 E
D - Y= 459,133.7 N, X= 653,070.3 E
E - Y= 458,481.2 N, X= 651,748.9 E
F - Y= 458,491.2 N, X= 653,087.1 E

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 458,912.7
X= 694,837.3
LAT.= 32.255151°N
LONG.= 103.836453°W

LAST TAKE POINT AND BOTTOM HOLE LOCATION
NAD 83 NME
Y= 481,683.5
X= 694,101.0
LAT.= 32.268276°N
LONG.= 103.839087°W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 458,853.5
X= 653,753.9
LAT.= 32.255028°N
LONG.= 103.835986°W

FIRST TAKE POINT
NAD 27 NME
Y= 458,640.2
X= 652,957.9
LAT.= 32.254452°N
LONG.= 103.838544°W

LAST TAKE POINT AND BOTTOM HOLE LOCATION
NAD 27 NME
Y= 481,624.2
X= 652,917.8
LAT.= 32.268153°N
LONG.= 103.838599°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: *Joseph Parker* Date: 9/14/18

Printed Name: JOSEPH PARKER

E-mail Address: JOSEPH_PARKER@XTOENERGY.COM

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 and Seal of Professional Surveyor: *Mark Dillon Harp*

MARK DILLON HARP 23786
Certificate Number

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

JC/AW 2018081970

RUP 10-10-18

OCT 09 2018

Intent As Drilled

API #
30-015-45313

RECEIVED

Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 702H
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Kick Off Point (KOP)

UL N	Section 36	Township 23 S	Range 30 E	Lot	Feet 357	From N/S SOUTH	Feet 2007	From E/W WEST	County EDDY
Latitude 32.255151					Longitude -103.8396453			NAD 83	

First Take Point (FTP)

UL M	Section 36	Township 23 S	Range 30 E	Lot	Feet 150	From N/S SOUTH	Feet 1210	From E/W WEST	County EDDY
Latitude 32.254575					Longitude -103.839031			NAD 83	

Last Take Point (LTP)

UL M	Section 36	Township 23 S	Range 30 E	Lot	Feet 150	From N/S NORTH	Feet 1210	From E/W WEST	County EDDY
Latitude 32.268276					Longitude -103.839087			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
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KZ 06/29/2018

NM STATE DRILLING PERMITTING

Los Medanos 36-23-30 702H

KB 3432		Deepest TVD 10039		KOP 9487		End of Curve 10453		Measured depth 15437				
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	15437	1074	1109	2183	650
	Cut Brine	9.3	8-1/2" to TD									

1st Stage
2nd Stage

Max Expected Surface Pressure
2646

BOP
Cameron 5M 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 702H

KB 3432

Deepest TVD 10039

KOP 9487

End of Curve 10453

Measured depth 15437

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	10453	2279	125	2404	0
Production	FW/Cut Brine OBM	9.5-10.5 9.3	6 6	4.5	P110 BTC	13.5	9487	15437	0	710	710	9953

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)