

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45399	² Pool Code 97905	³ Pool Name Wildcat; Bone Spring
⁴ Property Code 322840	⁵ Property Name JAMES RANCH UNIT DI 1 BS2A-7E	
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁶ Well Number 211H ⁹ Elevation 3,166'

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
G	21	22 S	30 E		1,547	NORTH	1,747	EAST	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
3	19	22 S	30 E		1,320	SOUTH	50	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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				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. Stephanie Rabadue 06/06/2019 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@xtoenergy.com E-mail Address																													
SURFACE LOCATION NAD 27 NME Y= 502,465.6 X= 639,096.7 LAT.= 32.380588°N LONG.= 103.882757°W LAST TAKE POINT NAD 27 NME Y= 500,029.0 X= 624,871.7 LAT.= 32.374046°N LONG.= 103.928865°W FIRST TAKE POINT NAD 27 NME Y= 500,050.5 X= 639,201.1 LAT.= 32.373948°N LONG.= 103.882453°W CORNER COORDINATES TABLE NAD 27 NME <table> <tr><td>A - Y= 500,049.6 N, X= 639,510.3 E</td><td>B - Y= 501,368.1 N, X= 639,508.3 E</td></tr> <tr><td>C - Y= 500,047.8 N, X= 638,169.6 E</td><td>D - Y= 501,366.6 N, X= 638,166.2 E</td></tr> <tr><td>E - Y= 500,044.5 N, X= 635,489.4 E</td><td>F - Y= 501,363.5 N, X= 635,486.0 E</td></tr> <tr><td>G - Y= 500,038.1 N, X= 632,806.9 E</td><td>H - Y= 501,357.1 N, X= 632,804.6 E</td></tr> <tr><td>I - Y= 500,032.1 N, X= 630,123.7 E</td><td>J - Y= 501,350.8 N, X= 630,122.7 E</td></tr> <tr><td>K - Y= 500,029.6 N, X= 627,445.0 E</td><td>L - Y= 501,348.1 N, X= 627,444.3 E</td></tr> <tr><td>M - Y= 500,027.2 N, X= 624,771.7 E</td><td>N - Y= 501,345.4 N, X= 624,767.4 E</td></tr> </table>				A - Y= 500,049.6 N, X= 639,510.3 E	B - Y= 501,368.1 N, X= 639,508.3 E	C - Y= 500,047.8 N, X= 638,169.6 E	D - Y= 501,366.6 N, X= 638,166.2 E	E - Y= 500,044.5 N, X= 635,489.4 E	F - Y= 501,363.5 N, X= 635,486.0 E	G - Y= 500,038.1 N, X= 632,806.9 E	H - Y= 501,357.1 N, X= 632,804.6 E	I - Y= 500,032.1 N, X= 630,123.7 E	J - Y= 501,350.8 N, X= 630,122.7 E	K - Y= 500,029.6 N, X= 627,445.0 E	L - Y= 501,348.1 N, X= 627,444.3 E	M - Y= 500,027.2 N, X= 624,771.7 E	N - Y= 501,345.4 N, X= 624,767.4 E	SURFACE LOCATION NAD 83 NME Y= 502,525.9 X= 680,278.5 LAT.= 32.380710°N LONG.= 103.883252°W LAST TAKE POINT NAD 83 NME Y= 500,089.2 X= 666,053.5 LAT.= 32.374168°N LONG.= 103.929360°W FIRST TAKE POINT NAD 83 NME Y= 500,110.7 X= 680,382.9 LAT.= 32.374069°N LONG.= 103.882946°W CORNER COORDINATES TABLE NAD 83 NME <table> <tr><td>A - Y= 500,109.8 N, X= 680,692.1 E</td><td>B - Y= 501,428.4 N, X= 680,688.1 E</td></tr> <tr><td>C - Y= 500,108.0 N, X= 679,351.4 E</td><td>D - Y= 501,426.9 N, X= 679,348.0 E</td></tr> <tr><td>E - Y= 500,104.7 N, X= 676,671.2 E</td><td>F - Y= 501,423.8 N, X= 676,667.8 E</td></tr> <tr><td>G - Y= 500,098.3 N, X= 673,988.7 E</td><td>H - Y= 501,417.4 N, X= 673,986.4 E</td></tr> <tr><td>I - Y= 500,092.3 N, X= 671,305.5 E</td><td>J - Y= 501,411.1 N, X= 671,304.5 E</td></tr> <tr><td>K - Y= 500,089.8 N, X= 668,626.8 E</td><td>L - Y= 501,408.4 N, X= 668,626.1 E</td></tr> <tr><td>M - Y= 500,087.4 N, X= 665,953.5 E</td><td>N - Y= 501,405.7 N, X= 665,949.1 E</td></tr> </table>		A - Y= 500,109.8 N, X= 680,692.1 E	B - Y= 501,428.4 N, X= 680,688.1 E	C - Y= 500,108.0 N, X= 679,351.4 E	D - Y= 501,426.9 N, X= 679,348.0 E	E - Y= 500,104.7 N, X= 676,671.2 E	F - Y= 501,423.8 N, X= 676,667.8 E	G - Y= 500,098.3 N, X= 673,988.7 E	H - Y= 501,417.4 N, X= 673,986.4 E	I - Y= 500,092.3 N, X= 671,305.5 E	J - Y= 501,411.1 N, X= 671,304.5 E	K - Y= 500,089.8 N, X= 668,626.8 E	L - Y= 501,408.4 N, X= 668,626.1 E	M - Y= 500,087.4 N, X= 665,953.5 E	N - Y= 501,405.7 N, X= 665,949.1 E
A - Y= 500,049.6 N, X= 639,510.3 E	B - Y= 501,368.1 N, X= 639,508.3 E																																
C - Y= 500,047.8 N, X= 638,169.6 E	D - Y= 501,366.6 N, X= 638,166.2 E																																
E - Y= 500,044.5 N, X= 635,489.4 E	F - Y= 501,363.5 N, X= 635,486.0 E																																
G - Y= 500,038.1 N, X= 632,806.9 E	H - Y= 501,357.1 N, X= 632,804.6 E																																
I - Y= 500,032.1 N, X= 630,123.7 E	J - Y= 501,350.8 N, X= 630,122.7 E																																
K - Y= 500,029.6 N, X= 627,445.0 E	L - Y= 501,348.1 N, X= 627,444.3 E																																
M - Y= 500,027.2 N, X= 624,771.7 E	N - Y= 501,345.4 N, X= 624,767.4 E																																
A - Y= 500,109.8 N, X= 680,692.1 E	B - Y= 501,428.4 N, X= 680,688.1 E																																
C - Y= 500,108.0 N, X= 679,351.4 E	D - Y= 501,426.9 N, X= 679,348.0 E																																
E - Y= 500,104.7 N, X= 676,671.2 E	F - Y= 501,423.8 N, X= 676,667.8 E																																
G - Y= 500,098.3 N, X= 673,988.7 E	H - Y= 501,417.4 N, X= 673,986.4 E																																
I - Y= 500,092.3 N, X= 671,305.5 E	J - Y= 501,411.1 N, X= 671,304.5 E																																
K - Y= 500,089.8 N, X= 668,626.8 E	L - Y= 501,408.4 N, X= 668,626.1 E																																
M - Y= 500,087.4 N, X= 665,953.5 E	N - Y= 501,405.7 N, X= 665,949.1 E																																
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. 12-11-2018 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AI 2017050646																																	

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
James Ranch DI1 211H
Projected TD: 23304' MD / 9458' TVD
SHL: 1542' FNL & 1747' FEL , Section 21, T22S, R30E
BHL: 1320' FSL & 50' FWL , Section 19, T22S, R30E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	151'	Water
Top of Salt	504'	Water
Base of Salt	3273'	Water
Delaware / Lama Sand	3559'	Water
Bone Spring	7373'	Water/Oil/Gas
1st Bone Spring Ss	8148'	Water/Oil/Gas
2nd Bone Spring Ss	9100'	Water/Oil/Gas
Target/Land Curve	9458'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13-3/8 inch casing @ 470' (34' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9-5/8 inch casing at 4273' and circulating cement to surface. An 8-3/4 inch curve and lateral hole will be drilled to MD/TD and 5-1/2 inch casing will be set at TD and cemented back up to the 9-5/8 inch casing shoe.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 470'	13-3/8"	48	STC	H-40	New	1.33	3.58	14.27
12-1/4"	0' – 4273'	9-5/8"	36	LTC	J-55	New	1.41	1.53	2.94
8-3/4"	0' – 23304'	5-1/2"	17	BTC	P-110	New	1.12	1.64	2.16

- XTO requests to not utilize centralizers in the curve or lateral
- 9-5/8" Collapse analyzed using 50% evacuation based on regional experience.
- 5-1/2" tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

WELLHEAD:

Permanent Wellhead – GE RSH Multibowl System

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 9-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation