

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

AUG 30 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, Bldg 5 Midland, Texas 79707		2. OGRID Number 260737
3. Property Code 322316		4. API Number 30-015-45222
5. Property Name James Ranch Unit 4 State SWD		6. Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
3	4	22S	30E		200	North	1760	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

9. Pool Information

Pool Name Devonian; SWD	Pool Code 96101
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Additional Well Information

11. Work Type N	12. Well Type S	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3155
16. Multiple	17. Proposed Depth 15780	18. Formation Montoya	19. Contractor	20. Spud Date
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
Surface	24	18-5/8"	87.5	300	580sx	0'
Inter 1	17-1/2"	13-3/8"	68	3300	2415sx	0'
Production	12-1/4"	9-5/8"	53.5	10885	3710sx	0'

Casing/Cement Program: Additional Comments

Liner: 8-1/2" Hole, 7" 32# csg set fr/10585-14,750' w/880sx cmt. TOC: 10585'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
5M 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: *Stephanie Rabadue*

Printed name: **Stephanie Rabadue**

Title: **Regulatory Coordinator**

E-mail Address: **stephanie_rabadue@xtoenergy.com**

Date: **08/06/2018**

Phone: **432-620-6714**

OIL CONSERVATION DIVISION

Approved By:

Raymond W. Rodary
Title: **Geologist**

Approved Date: **8-31-18**

Expiration Date: **8-31-20**

Conditions of Approval Attached

Approved C-108

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NM OIL CONSERVATION
ARTESIA DISTRICT
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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45223	² Pool Code 96101	³ Pool Name Devonian; SWD
⁴ Property Code 322316	⁵ Property Name JAMES RANCH UNIT 4 STATE SWD	
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁶ Well Number 1
		⁹ Elevation 3153'

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
C 3	4	22 S	30 E		200	NORTH	1,760	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

¹² Dedicated Acres 0	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.

SEC. 32	SEC. 33 T-21-S R-30E	SEC. 34	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. <u>Stephanie Rabadue</u> 08/23/2018 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@xtoenergy.com E-mail Address
SEC. 5		SEC. 3	
	SEC. 4 T-22-S R-30E		
SEC. 8	SEC. 9	SEC. 10	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 519,846.2 X= 637,189.2 LAT.= 32.427836°N LONG.= 103.888705°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 519,842.8 N, X= 635,428.7 E B - Y= 519,847.7 N, X= 638,102.2 E C - Y= 517,189.9 N, X= 638,109.8 E D - Y= 517,198.0 N, X= 635,435.1 E </div> <div style="width: 45%;"> GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 519,708.9 X= 678,370.4 LAT.= 32.427957°N LONG.= 103.889201°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 519,903.5 N, X= 676,609.9 E B - Y= 519,908.4 N, X= 679,283.4 E C - Y= 517,260.5 N, X= 679,291.1 E D - Y= 517,258.6 N, X= 676,618.4 E </div> </div>			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. 8-23-2018 Date of Survey Signature and Seal of Professional Surveyor: <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> MARK DILLON HARP 23786 Certificate Number </div> <div style="text-align: center;"> </div> </div>

Rev 8-31-18

JRU 4 State SWD #1

Proposed SWD Schematic (Aug 2, 2018)

County: Eddy

SHL: 1760' FNL, 200' FWL
Sec 4, T 22S, R 30E

BHL: 1760' FNL, 200' FWL
Sec 4, T 22S, R 30E



AFE #
XTO ID #

API #
Elevation
Rig:

TBD
3155'
TBD (RKB ~30')

<u>Geology</u>	<u>Casing & Cement</u>	<u>Wellhead</u>	<u>Hole Size</u>	<u>General Notes</u>
<i>TVD</i>			24"	
	<u>Tail (100% OH excess)</u> 580 sx 14.8ppg class C Top of Tail @ 0'			
	18-5/8" 87.5# J-55 BTC		300' MD	
384' Top Salt	<u>Lead (75% OH excess)</u> 1900 sx 12.8ppg Poz/Class C Top of Lead @ 0'		17-1/2"	
	<u>Tail (75% OH excess)</u> 515 sx 14.8ppg Class C Top of Tail @ 2800'			
3,229' Base Salt	13-3/8" 68# J-55 BTC		3300' MD	
3,499' Delaware Mountain	<u>Stg 2 Lead (100% OH excess)</u> 715 sx 11.5ppg Poz/H Top of Lead @ 0'		12-1/4"	
3,569' Bell Canyon	<u>Stg 2 Tail (100% OH excess)</u> 425 sx 14.8ppg Poz/H Top of Tail @ 2800'		ECP/DV Tool @ 3700' MD	
7,289' Bone Spring	<u>Stg 1 Lead (100% OH excess)</u> 2000 sx 12.9ppg Poz/H Top of Lead @ 3700'			
10,394' Wolfcamp	<u>Stg 1 Tail (100% OH excess)</u> 570 sx 14.4ppg Poz/H Top of Tail @ 9800'		TOL @ 10585' MD	
10,785' Wolfcamp B	9-5/8" 53.5# P-110 BTC		10885' MD	
11,370' Cisco			8-1/2"	
11,889' Strawn	<u>Tail (100% OH excess)</u> 880 sx 14.5ppg Poz/H Top of Tail @ 10585'			
12,097' Atoka				
12,677' Morrow				
13,427' Barnett				
14,009' Mississippian				
14,559' Woodford				
14,735' Devonian	7" 32# P-110 BTC		14750' MD	
15,266' Fusselman			6"	
15,839' Montoya	Open Hole to TD	15780' MD		

Approvals (not required for planning schematics)

Prepared by: _____ Date _____

Reviewed by: _____ Date _____

Reviewed by: _____ Date _____

Approved by: _____ Date _____



XTO Energy Inc.
EMHC.W4.4A.375
22777 Springwoods Village Pkwy
Spring TX 77389-1425
832-625-4032 - Direct Phone

July 12, 2018

Intrepid Potash-New Mexico, LLC
707 17th Street, Suite 4200
Denver, Colorado 80202

Re: James Ranch Unit 4 State SWD #1
1760' FWL, 200' FNL
Section 4: NE/4NW/4; T22S-R30E
Eddy County, NM

Gentlemen:

XTO Permian Operating, LLC (XTO), successor in interest to BOPCO, L.P., proposes to drill the captioned well (the Well) at a location being 200' FNL and 1760' FWL in Section 4: NE/4NW/4 of T22S-R30E Eddy Co, New Mexico, and as further described in its New Mexico Oil Conservation Division application for permit to drill (APD) dated January 3, 2018. The Well will serve produced water disposal needs of its James Ranch Unit area operations.

This letter will confirm that Intrepid Potash-New Mexico, LLC (Intrepid) does not object, under State of New Mexico, Energy, Minerals and Natural Resources Department Oil Conservation Commission (OCD) Order R-111-P or otherwise, to the drilling of the Well at the location specified, and in the manner described in the APD for the Well.

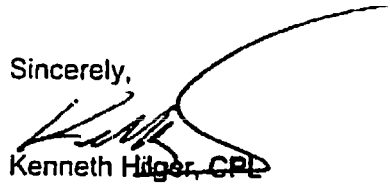
Intrepid's non-objection, shall not be construed as an assumption of any risks of any release of oil or gas or other substance from the Well into the environment, including into underground mine workings, arising out of or attributable to XTO's drilling, operation, plugging and abandoning of the Well, or of the effect on the Well of any condition created by existing or future potash mining.

If you are in agreement with the foregoing please sign in the space provided below and return two (2) executed originals of this letter to the undersigned at the letterhead address. XTO will then provide the OCD with one of the originals as part of the final permitting of the Well.

An ExxonMobil Subsidiary

If you have any questions you wish to discuss please give me a call at (832) 625-4032, or alternatively I can be reached at kenneth_hilger@xtoenergy.com.

Sincerely,



Kenneth Hilger, CPL
Division Landman
XTO Energy Inc

Accepted this 13th day of July, 2018;

BY: **Intrepid Potash-New Mexico, LLC**

Name: 

Printed Name: Kevin J. Ryan

Title: Director of Technical Services