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JAN 22 2019

Form C-101  
Revised July 18, 2013

**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 DISTRICT II-ARTESIA O.C.D.  AMENDED REPORT  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address <b>BOPCO, LP</b> <b>6401 Holiday Hill Rd, Bldg 5, Midland, TX 79707</b>		2. OGRID Number <b>260737</b>
3. Property Code <b>324957</b>		4. API Number <b>30-015-45691</b>
5. Property Name <b>JRU 36 RAMBLER STATE SWD</b>		6. Well No. <b>1</b>

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	36	22S	30E		1752	NORTH	2595	WEST	Eddy

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information	Pool Name <b>SWD; Devonian</b>	Pool Code <b>96101</b>
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Additional Well Information				
11. Work Type <b>N</b>	12. Well Type <b>S</b>	13. Cable/Rotary <b>R</b>	14. Lease Type <b>STATE</b>	15. Ground Level Elevation <b>3322'</b>
16. Multiple	17. Proposed Depth <b>16,730'</b>	18. Formation <b>DEVONIAN</b>	19. Contractor	20. Spud Date <b>ASAP</b>
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	18.625	J-55 87.5# BTC	450'	960	0'
Inter	17.5	13.375	HCL-80 68# BTC	3,708'	3345	0'
Prod	12.25	9.625	P-110 53.5# BTC	11,580'	3330	3,000'

Casing/Cement Program: Additional Comments  
**Prod Liner: 8.5" hole, 7" HCP-110 32# BTC csg @ 11,100'-15,610' w/665 sx cmt. TOC @ 11,100'. Prod hole: 6" 15,610'-16,730'**

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Cameron Double Ram	10,000psi	5,000psi	

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Kelly Kardos</i> Printed name: <b>Kelly Kardos</b> Title: <b>Regulatory Coordinator</b> E-mail Address: <b>kelly_kardos@xtoenergy.com</b> Date: <b>01-18-19</b> Phone: <b>432-620-4374</b>	OIL CONSERVATION DIVISION	
	Approved By: <i>Kelly Kardos</i>	
	Title: <b>Geologist</b>	
	Approved Date: <b>2-7-19</b>	Expiration Date: <b>2-7-21</b>
	Conditions of Approval Attached <b>Approved C-108</b>	

*Well cannot be spud until C108 is approved.*

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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

IAN 22 2019

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
DISTRICT II-ARTESIA O.C.D. District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-45691		<sup>2</sup> Pool Code 96101	<sup>3</sup> Pool Name SWD; Devonian
<sup>4</sup> Property Code 324957	<sup>5</sup> Property Name JRU 36 RAMBLER STATE SWD		<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 260737	<sup>8</sup> Operator Name BOPCO, LP.		<sup>9</sup> Elevation 3,322'

<sup>10</sup> Surface Location

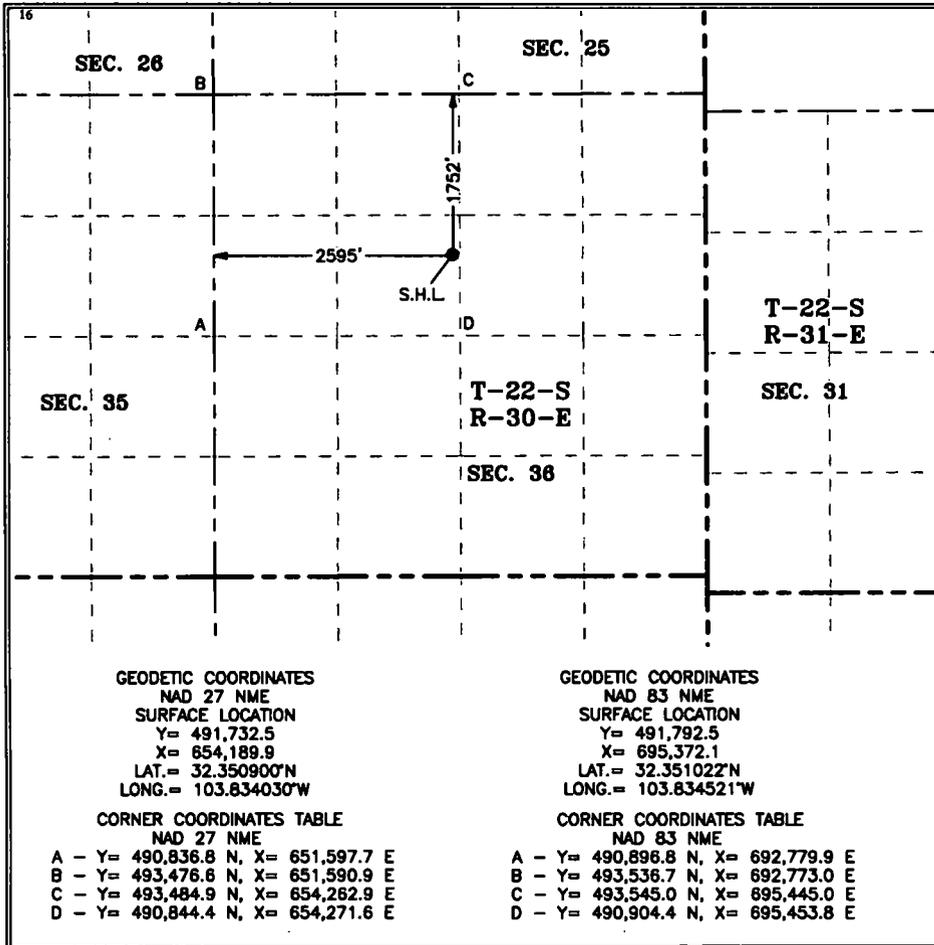
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	22 S	30 E		1,752	NORTH	2,595	WEST	EDDY

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 0	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



**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 01/03/2019  
Signature Date

Stephanie Rabadue  
Printed Name

stephanie\_rabadue@xtoenergy.com  
E-mail Address

**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.

1-3-2019  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number

MARK DILLON HARP  
NEW MEXICO  
23786  
PROFESSIONAL SURVEYOR

AI 2018112619

RUP 2-7-19

# JRU 16 Rambler State SWD #1

*Proposed SWD Schematic (Jan 18, 2019)*

County: Eddy  
 SHL: 1752' FNL, 2595' FWL  
 Sec 36, T 22S, R 30E

BHL: 1752' FNL, 2595' FWL  
 Sec 36, T 22S, R 30E



AFE # DD.2019.00112  
 XTO ID # N/A  
 API # N/A  
 Elevation GL 3322', KB 3349' (27' AGL)  
 Rig: TBD (RKB 27')

Geology	Casing & Cement	Wellhead	Hole Size	General Notes
<b>(Tech Data Sheet)</b>				
298' Rustler	<u>Tail (100% OH excess)</u> 960 sx 14.8ppg Class C Top of Tail @ 0'  18-5/8" 87.5# J-55 BTC	450' MD	24"	
710' Top Salt	<u>Lead (150% OH excess)</u> 2660 sx 12.8ppg Poz/C Top of Lead @ 0'  <u>Tail (100% OH excess)</u> 685 sx 14.8ppg Class C Top of Tail @ 2900'	3708' MD	17-1/2"	
3,595' Base Salt	13-3/8" 68# HCL-80 BTC			
3,820' Delaware	<u>Stg 2 Lead (100% OH excess)</u> 765 sx 11.5ppg Poz/H Top of Lead @ 0'  <u>Stg 2 Tail (100% OH excess)</u> 380 sx 14.8ppg Poz/H Top of Tail @ 3000'  DV Tool @ 3800'	11100' MD	12-1/4"	
7,664' Bone Spring	<u>Stg 1 Lead (100% OH excess)</u> 1630 sx 11.5ppg Poz/H Top of Lead @ 3800'	11580' MD		
10,971' Wolfcamp	<u>Stg 1 Tail (100% OH excess)</u> 555 sx 14.8ppg Poz/H Top of Tail @ 10580'			
11,432' Wolfcamp B	9-5/8" 53.5# HCP-110 BTC	11580' MD		
12,544' Strawn 12,993' Atoka 13,632' Morrow	<u>Tail (40% OH excess)</u> 665 sx 14.5ppg Poz/H Top of Tail @ 11100'	15610' MD	8-1/2"	
15,000' Mississippian Lm 15,442' Woodford 15,594' Devonian	7" 32# HCP-110 BTC			
16,730' TVD at BHL	Open hole completion	16,730' MD 16,730' TVD	6"	
16,738' Montoya				

**Approvals**

Prepared by: \_\_\_\_\_

Peer Reviewed by: \_\_\_\_\_ Date

Reviewed by: \_\_\_\_\_

Approved by: \_\_\_\_\_