

**District I**  
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**District II**  
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**District III**  
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**District IV**  
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State of New Mexico  
Energy Minerals and Natural Resources **OCT 02 2018**  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

AMENDED REPORT  
DISTRICT II-ARTESIA O.C.D.

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

<sup>1</sup> Operator Name and Address <b>XTO ENERGY, INC. 6401 Holiday Hill Rd, Bldg 5, Midland, TX 79707</b>		<sup>2</sup> OGRID Number <b>005380</b>
<sup>4</sup> Property Code <b>322661</b>		<sup>3</sup> API Number <b>30-013-45308</b>
<sup>5</sup> Property Name <b>SHANGHAI ROOSTER 36 STATE SWD</b>		<sup>6</sup> Well No. <b>1</b>

**7. Surface Location**

UL - Lot <b>K</b>	Section <b>36</b>	Township <b>25S</b>	Range <b>29E</b>	Lot Idn	Feet from <b>1913</b>	N/S Line <b>SOUTH</b>	Feet From <b>2052</b>	E/W Line <b>WEST</b>	County <b>Eddy</b>
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**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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**9. Pool Information**

Pool Name <b>SWD; Devonian</b>	Pool Code <b>96101</b>
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**Additional Well Information**

<sup>11</sup> Work Type <b>NW</b>	<sup>12</sup> Well Type <b>S</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type <b>STATE</b>	<sup>15</sup> Ground Level Elevation <b>3,056'</b>
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth <b>16,930'</b>	<sup>18</sup> Formation <b>DEVONIAN</b>	<sup>19</sup> Contractor	<sup>20</sup> 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	850'	1420	0'
Inter	17.5	13.375	HCL-80 68# BTC	3,200'	2660	0'
Prod	12.25	9.625	P-110 53.5# BTC	10,900'	2230	2,600'

**Casing/Cement Program: Additional Comments**

Prod Liner: 8.5" hole, 7" P-110 32# BTC csg @ 10,600'-15,770' w/770sx cmt. TOC @ 10,600'. Prod hole: 6" 15,770'-16,930'

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Cameron Double Ram	10,000psi	5,000psi	

<sup>23</sup> 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: *Kelly Kardos*

Printed name: Kelly Kardos

Title: Regulatory Coordinator

E-mail Address: kelly\_kardos@xtoenergy.com

Date: 10-01-18

Phone: 432-620-4374

OIL CONSERVATION DIVISION

Approved By:

*Raymond W. Podany*

Title:

*Geologist*

Approved Date: 10/10/18

Expiration Date: 10/10/20

Conditions of Approval Attached *Approved e108*



# Shanghai Rooster 36 State SWD #1

*Proposed SWD Schematic (Sept 12, 2018)*

County: Eddy  
 SHL: 1913' FSL, 2052' FWL  
 Sec 36, T 25S, R 29E

BHL: 1913' FSL, 2052' FWL  
 Sec 36, T 25S, R 29E



AFE # 1803218  
 XTO ID # N/A  
 API # N/A  
 Elevation GL 3056', KB 3086' (30' AGL)  
 Rig: TBD (RKB 30')

Geology	Casing & Cement	Wellhead	Hole Size	General Notes
<b>(Tech Data Sheet)</b>				
TVD Formation  736' Rustler	<u>Lead (100% OH excess)</u> 740 sx 12.8ppg Poz/C Top of Lead @ 0  <u>Tail (100% OH excess)</u> 680 sx 14.8ppg Class C Top of Tail @ 550'  18-5/8" 87.5# J-55 BTC	850' MD	24"	
968' Top Salt  3,099' Base Salt	<u>Lead (150% OH excess)</u> 1975 sx 12.8ppg Poz/C Top of Lead @ 0  <u>Tail (100% OH excess)</u> 685 sx 14.8ppg Class C Top of Tail @ 2600'  13-3/8" 68# HCL-80 BTC	3200' MD	17-1/2"	
3,301' Delaware  7,094' Bone Spring  10,322' Wolfcamp 10,803' Wolfcamp B	<u>Lead (100% OH excess)</u> 1830 sx 11.5ppg Poz/H Top of Lead @ 2600'  <u>Tail (100% OH excess)</u> 400 sx 14.8ppg Poz/H Top of Tail @ 10200'  9-5/8" 53.5# P-110 BTC	10600' MD	12-1/4"	
12,838' Strawn 13,020' Atoka 13,584' Morrow  15,267' Mississippian Lm 15,628' Woodford 15,750' Devonian	<u>Tail (40% OH excess)</u> 770 sx 14.5ppg Poz/H Top of Tail @ 10600'  7" 32# P-110 BTC	10900' MD  15770' MD	8-1/2"	
16,930' TVD at BHL  16,980' Montoya	Open hole completion	16,930' MD 16,930' TVD	6"	

**Approvals**

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

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

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

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