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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
1220 South St. Francis Dr.
Santa Fe, NM 87505

OCT 02 2018
AMENDED REPORT
DISTRICT II-ARTESIA O.C.D.

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

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

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
K	36	25S	29E		1913	SOUTH	2052	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	Pool Code
SWD; Devonian	96101

Additional Well Information

11. Work Type NW	12. Well Type S	13. Cable/Rotary R	14. Lease Type STATE	15. Ground Level Elevation 3,056'
16. Multiple	17. Proposed Depth 16,930'	18. Formation DEVONIAN	19. Contractor	20. Spud Date ASAP
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	

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: *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. Rodary

Title: **Geologist**

Approved Date: **10/10/18**

Expiration Date: **10/10/20**

Conditions of Approval Attached **Approved c108**

OCT 02 2018

Form C-102

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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

DISTRICT II-ARTESIA O.C.D.

Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45308	² Pool Code 96101	³ Pool Name SWD; DEVONIAN
⁴ Property Code 322661	⁵ Property Name SHANGHAI ROOSTER 36 STATE SWD	
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	
		⁶ Well Number 1
		⁹ Elevation 3,056'

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
K	36	25 S	29 E		1,913	SOUTH	2,052	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.

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.

<p>¹⁶</p> <p style="text-align: center;">SEC. 36 T-25-S R-29-E</p>	<p>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.</p> <p><i>Kelly Kardos</i> 10/01/18 Signature Date</p> <p>Kelly Kardos Printed Name</p> <p>kelly_kardos@xtoenergy.com E-mail Address</p>				
<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 394,543.0 X= 622,022.6 LAT.= 32.084102°N LONG.= 103.939347°W</p> <p>CORNER COORDINATES TABLE NAD 27 NME</p> <table> <tr><td>A - Y= 395,276.6 N, X= 619,966.8 E</td></tr> <tr><td>B - Y= 395,291.4 N, X= 622,624.9 E</td></tr> <tr><td>C - Y= 392,632.2 N, X= 622,635.7 E</td></tr> <tr><td>D - Y= 392,623.1 N, X= 619,979.9 E</td></tr> </table>	A - Y= 395,276.6 N, X= 619,966.8 E	B - Y= 395,291.4 N, X= 622,624.9 E	C - Y= 392,632.2 N, X= 622,635.7 E	D - Y= 392,623.1 N, X= 619,979.9 E	<p>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.</p> <p>06-15-2018 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>Mark Dillon Harp</i></p> <p>MARK DILLON HARP 23786 Certificate Number</p> <p style="text-align: right;">RR 2018061484</p>
A - Y= 395,276.6 N, X= 619,966.8 E					
B - Y= 395,291.4 N, X= 622,624.9 E					
C - Y= 392,632.2 N, X= 622,635.7 E					
D - Y= 392,623.1 N, X= 619,979.9 E					

RUP 10/10/18

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
(Tech Data Sheet)				
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	<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	<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"	
7,094' Bone Spring				
10,322' Wolfcamp				
10,803' Wolfcamp B				
12,838' Strawn				
13,020' Atoka				
13,584' Morrow	<u>Tail (40% OH excess)</u> 770 sx 14.5ppg Poz/H Top of Tail @ 10600' 7" 32# P-110 BTC	10900' MD	8-1/2"	
15,267' Mississippian Lm				
15,628' Woodford				
15,750' Devonian				
16,930' TVD at BHL	Open hole completion	16,930' MD	6"	
16,980' Montoya		16,930' TVD		
Approvals Prepared by: _____ Peer Reviewed by: _____ Date Reviewed by: _____ Approved by: _____				