

<b>Well Name:</b> SHANGHAI ROOSTER 15-3 FEDERAL	<b>Well Location:</b> T25S / R29E / SEC 15 / SESE / 32.123701 / -103.967482	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 107Y	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM14778	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001550097	<b>Well Status:</b> Abandoned	<b>Operator:</b> XTO ENERGY INCORPORATED

Notice of Intent

**Sundry ID:** 2723869

**Type of Submission:** Notice of Intent      **Type of Action:** APD Change

**Date Sundry Submitted:** 03/31/2023      **Time Sundry Submitted:** 11:06

**Date proposed operation will begin:** 04/07/2023

**Procedure Description:** \*\* Skid Original Wellbore, and Surface Hole Location Change XTO Energy, Inc requests permission to skid the original wellbore and make the following changes to the original APD: No Additional Surface Disturbance Skid Original Wellbore of the Shanghai Rooster 15-3 Fed 107H, from 341'FSL & 1185'FEL, LAT 32.123702, LONG -103.967562 to 400'FSL & 1185'FEL, LAT 32.123863, LONG -103.967563. Original wellbore: Shanghai Rooster 15-3 Fed 107Y, API Number 30-015-50097 PA NOI Sundry, Sundry ID 2722610 has been approved. Attachments: From 3160-3 C102 Drilling Program Directional Plan Well Site Layout

NOI Attachments

**Procedure Description**

Shanghai\_Rooster\_15\_3\_Fed\_107H\_Attachments\_20230331110531.pdf

Received by OCD: 11/14/2023 8:41:13 AM

Page 2 of 26

Well Name: SHANGHAI ROOSTER 15-3 FEDERAL	Well Location: T25S / R29E / SEC 15 / SESE / 32.123701 / -103.967482	County or Parish/State: EDDY / NM
Well Number: 107Y	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14778	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001550097	Well Status: Abandoned	Operator: XTO ENERGY INCORPORATED

Conditions of Approval

Specialist Review

Shanghai\_Rooster\_15\_3\_Fed\_107H\_Signed\_3160\_20230331164949.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JESSICA DOOLING

Signed on: MAR 31, 2023 11:05 AM

Name: XTO ENERGY INCORPORATED

Title: Lead Regulatory Coordinator

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND

State: TX

Phone: (970) 769-6048

Email address: JESSICA.DOOLING@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 03/31/2023

Signature: Chris Walls

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**5. Lease Serial No. **NMNM14778**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **XTO ENERGY INCORPORATED**3a. Address **222777 SPRINGSWOODS VILLAGE PKWY, SP** 3b. Phone No. (include area code)  
**(817) 870-2800**4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 15/T25S/R29E/NMP**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **SHANGHAI ROOSTER 15-3 FEDEF**9. API Well No. **3001550097**

10. Field and Pool or Exploratory Area

11. Country or Parish, State  
**EDDY/NM****12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

**\*\* Skid Original Wellbore, and Surface Hole Location Change**

XTO Energy, Inc requests permission to skid the original wellbore and make the following changes to the original APD:

No Additional Surface Disturbance

Skid Original Wellbore of the Shanghai Rooster 15-3 Fed 107H, from 341FSL &amp; 1185FEL, LAT 32.123702, LONG -103.967562 to 400FSL &amp; 1185FEL, LAT 32.123863, LONG -103.967563.

Original wellbore: Shanghai Rooster 15-3 Fed 107Y, API Number 30-015-50097 PA NOI Sundry, Sundry ID 2722610 has been approved.

Attachments:

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>JESSICA DOOLING / Ph: (970) 769-6048</b>	Title <b>Lead Regulatory Coordinator</b>
Signature (Electronic Submission)	Date <b>03/31/2023</b>

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved</b>	Title <b>Petroleum Engineer</b>	Date <b>03/31/2023</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office <b>CARLSBAD</b>	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Additional Remarks

From 3160-3

C102

Drilling Program

Directional Plan

Well Site Layout

### Location of Well

0. SHL: SESE / 340 FSL / 1160 FEL / TWSP: 25S / RANGE: 29E / SECTION: 15 / LAT: 32.123701 / LONG: -103.967482 ( TVD: 0 feet, MD: 0 feet )

PPP: NENE / 330 FNL / 990 FEL / TWSP: 25S / RANGE: 29E / SECTION: 22 / LAT: 32.121859 / LONG: -103.966928 ( TVD: 10077 feet, MD: 10412 feet )

BHL: SESE / 200 FSL / 990 FEL / TWSP: 25S / RANGE: 29E / SECTION: 27 / LAT: 32.094117 / LONG: -103.966809 ( TVD: 10077 feet, MD: 20504 feet )

Form 3160-3  
(August 2007)FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

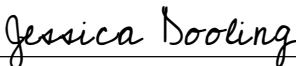
## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>NMNM14778</b>
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>XTO Energy, Inc.</b>		7. If Unit or CA Agreement, Name and No.
3a. Address <b>6401 Holiday Hill Road, Bldg 5 Midland, Texas 79701</b>	3b. Phone No. (include area code) <b>970-769-6048</b>	8. Lease Name and Well No. <b>Shanghai Rooster 15-3 Fed 107H</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SESE / 400 FSL / 1185 FEL / LAT 32.123863 / LONG -103.967563</b> At proposed prod. zone <b>LOT 36 / 50 FSL / 1320 FEL / LAT 32.123039 / LONG -103.967997</b>		9. API Well No.
14. Distance in miles and direction from nearest town or post office*		10. Field and Pool, or Exploratory <b>96217 Willow Lake; Bone Spring, SE</b>
15. Distance from proposed* <b>400 feet</b> location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		11. Sec., T. R. M. or Blk. and Survey or Area <b>SEC 15 / T25S / R29E / NMP</b>
16. No. of acres in lease		12. County or Parish <b>Eddy</b>
17. Spacing Unit dedicated to this well <b>959.4</b>		13. State <b>NM</b>
18. Distance from proposed location* <b>30 feet</b> to nearest well, drilling, completed, applied for, on this lease, ft.		20. BLM/BIA Bond No. on file <b>FED: UTB000138</b>
19. Proposed Depth <b>9401 feet / 25703 feet</b>		21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>3079 feet</b>
22. Approximate date work will start* <b>04/07/2023</b>		23. Estimated duration <b>90 Days</b>

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature 	Name (Printed/Typed) <b>Jessica Dooling</b>	Date <b>03/31/2023</b>
Title <b>Regulatory Coordinator</b>		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

**ITEM 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

**ITEM 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

**ITEM 22:** Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

**PRINCIPAL PURPOSES:** The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

**ROUTINE USE:** Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.



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

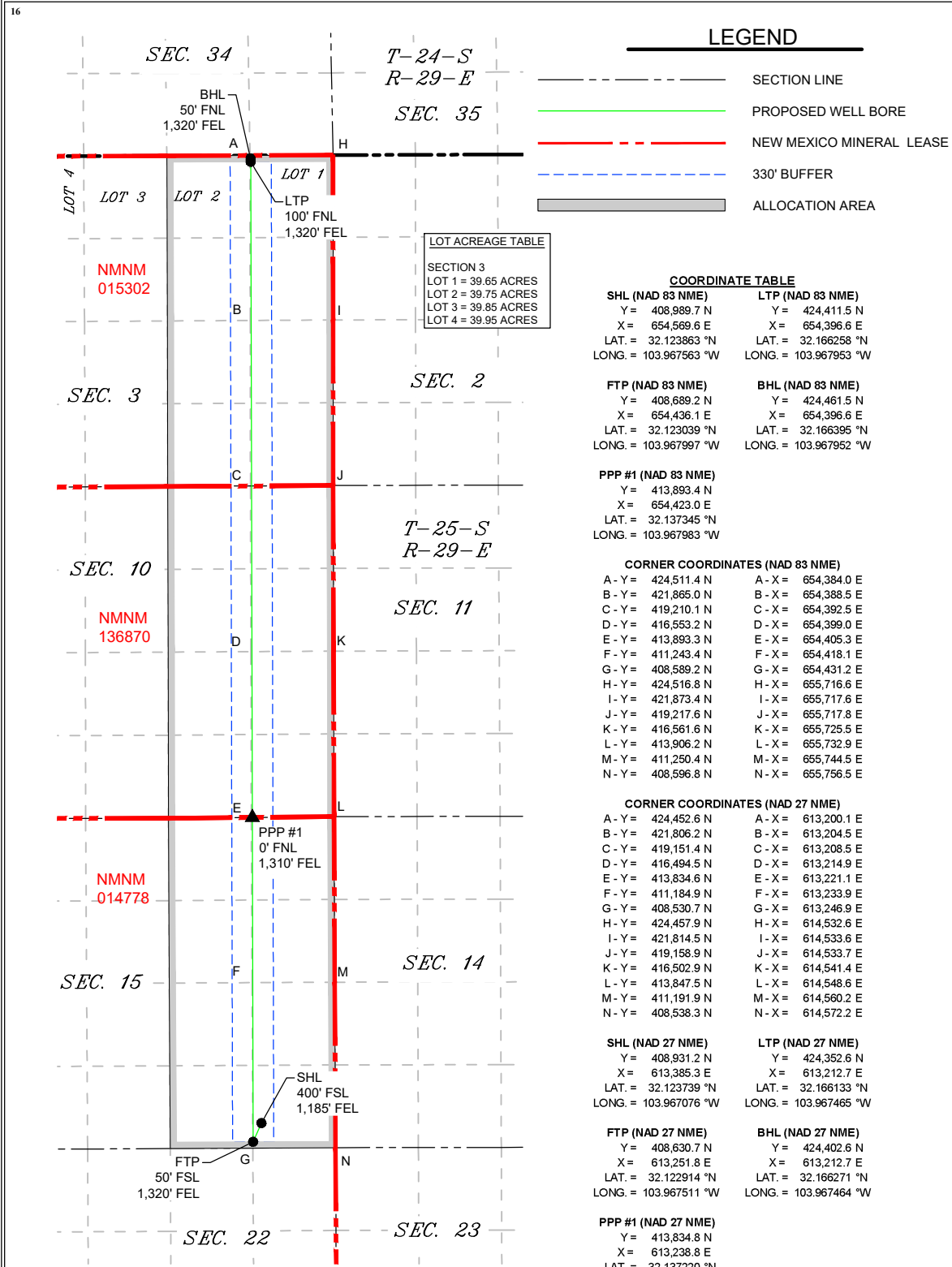
WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-	<sup>2</sup> Pool Code 96217	<sup>3</sup> Pool Name WILLOW LAKE; BONE SPRING, SOUTHEAST
<sup>4</sup> Property Code	<sup>5</sup> Property Name SHANGHAI ROOSTER 15-3	<sup>6</sup> Well Number 107H
<sup>7</sup> OGRID No. 005380	<sup>8</sup> Operator Name XTO ENERGY, INC.	<sup>9</sup> Elevation 3,079'

<sup>10</sup> Surface Location									
UL or lot no. P	Section 15	Township 25 S	Range 29 E	Lot Idn	Feet from the 400	North/South line SOUTH	Feet from the 1,185	East/West line EAST	County EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. 1	Section 3	Township 25 S	Range 29 E	Lot Idn	Feet from the 50	North/South line NORTH	Feet from the 1,320	East/West line EAST	County EDDY
<sup>12</sup> Dedicated Acres 959.4	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.





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

XTO Energy Inc.  
Shanghai Rooster 15-3 Fed 107H  
Projected TD: 25703' MD / 9401' TVD  
SHL: 400' FSL & 1185' FEL , Section 15, T25S, R29E  
BHL: 50' FNL & 1320' FEL , Section 3, T25S, R29E  
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	641'	Water
Top of Salt	921'	Water
Base of Salt	2951'	Water
Delaware	3142'	Water
Brushy Canyon	5640'	Water/Oil/Gas
Bone Spring	6897'	Water
1st Bone Spring Ss	7860'	Water/Oil/Gas
2nd Bone Spring Ss	8686'	Water/Oil/Gas
<b>Target/Land Curve</b>	<b>9401'</b>	<b>Water/Oil/Gas</b>

\*\*\* 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 9.625 inch casing @ 741' (180' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 5299.99' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25703 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 4999.99 feet).

**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 741'	9.625	40	J-55	BTC	New	2.62	7.67	21.26
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	3.35	2.65	3.54
8.75	4000' – 5299.99'	7.625	29.7	HC L-80	Flush Joint	New	2.44	3.78	10.52
6.75	0' – 5199.99'	5.5	23	RY P-110	Semi-Premium	New	1.21	5.38	1.96
6.75	5199.99' - 25703'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.97	2.05

- XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry
- XTO requests to not utilize centralizers in the curve and lateral
- 7.625 Collapse analyzed using 50% evacuation based on regional experience.
- 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35
- Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
- XTO requests the option to use 5" BTC Float equipment for the the production casing

**Wellhead:**

*Permanent Wellhead – Multibowl System*

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M 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 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

#### 4. Cement Program

##### **Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 741'**

Lead: 140 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

##### **2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 5299.99'**

###### 1st Stage

Optional Lead: 300 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: -30 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 5640

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

###### 2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)

Tail: 630 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Top of Cement: 0

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (5640') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

##### **Production Casing: 5.5, 23 New Semi-Flush, RY P-110 casing to be set at +/- 25703'**

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 4999.99 feet

Tail: 1450 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 5499.99 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

## 5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. MASP should not exceed 2820 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

## 6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 741'	12.25	FW/Native	8.7-9.2	35-40	NC
741' - 5299.99'	8.75	FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
5299.99' - 25703'	6.75	OBM	10-10.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

## 7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 9.625 casing.

## 8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

## 9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 160 to 180 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 4889 psi.

## 10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

# **Delaware Basin Asset - Clean**

**Eddy County**

**Shanghai Rooster 15 3 Federal 803H (Plan)**

**SHANGHAI ROOSTER 15-3 107H**

**SHANGHAI ROOSTER 15-3 107H**

**Plan: SHANGHAI ROOSTER 15-3 107H**

## **Standard Planning Report**

**30 March, 2023**



ExxonMobil

Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well SHANGHAI ROOSTER 15-3 107H
<b>Company:</b>	Delaware Basin Asset - Clean	<b>TVD Reference:</b>	RKB(30') @ 3111.0usft
<b>Project:</b>	Eddy County	<b>MD Reference:</b>	RKB(30') @ 3111.0usft
<b>Site:</b>	Shanghai Rooster 15 3 Federal 803H (Plan)	<b>North Reference:</b>	Grid
<b>Well:</b>	SHANGHAI ROOSTER 15-3 107H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	SHANGHAI ROOSTER 15-3 107H		
<b>Design:</b>	SHANGHAI ROOSTER 15-3 107H		

<b>Project</b>	Eddy County		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico East 3001		

Site		Shanghai Rooster 15 3 Federal 803H (Plan)			
Site Position:		Northing:	408,825.60 usft	Latitude:	32° 7' 24.449 N
From:	Map	Easting:	612,340.60 usft	Longitude:	103° 58' 13.628 W
Position Uncertainty:		3.0 usft	Slot Radius:	13-3/16 "	

Well	SHANGHAI ROOSTER 15-3 107H					
Well Position	+N/-S	0.0 usft	Northing:	408,931.20 usft	Latitude:	32° 7' 25.459 N
	+E/-W	0.0 usft	Easting:	613,385.30 usft	Longitude:	103° 58' 1.475 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,081.0 usft
Grid Convergence:		0.19 °				

<b>Wellbore</b>	SHANGHAI ROOSTER 15-3 107H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	3/27/2023	6.51	59.69	47,211.47582300

<b>Design</b>	SHANGHAI ROOSTER 15-3 107H				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	359.86	

<b>Plan Survey Tool Program</b>	<b>Date</b>	3/30/2023			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.0	25,703.2	SHANGHAI ROOSTER 15-3 107	XOM_R2OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-Si	

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well SHANGHAI ROOSTER 15-3 107H
Company:	Delaware Basin Asset - Clean	TVD Reference:	RKB(30') @ 3111.0usft
Project:	Eddy County	MD Reference:	RKB(30') @ 3111.0usft
Site:	Shanghai Rooster 15 3 Federal 803H (Plan)	North Reference:	Grid
Well:	SHANGHAI ROOSTER 15-3 107H	Survey Calculation Method:	Minimum Curvature
Wellbore:	SHANGHAI ROOSTER 15-3 107H		
Design:	SHANGHAI ROOSTER 15-3 107H		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,598.9	13.98	187.38	1,592.0	-84.1	-10.9	2.00	2.00	0.00	187.38	
5,421.7	13.98	187.38	5,301.6	-999.9	-129.5	0.00	0.00	0.00	0.00	
5,561.5	0.00	0.00	5,440.0	-1,016.7	-131.7	10.00	-10.00	0.00	180.00	
8,806.3	0.00	0.00	8,684.8	-1,016.7	-131.7	0.00	0.00	0.00	0.00	
9,931.3	90.00	359.86	9,401.0	-300.5	-133.5	8.00	0.00	0.00	359.86	107H_FTP 15,135.4
90.00		359.86	9,401.0	4,903.6	-146.5	0.00	0.00	0.00	0.00	107H□PPP1
25,653.2	90.00	359.86	9,401.0	15,421.4	-172.8	0.00	0.00	0.00	0.00	107H_LTP 25,703.2
90.00		359.86	9,401.0	15,471.4	-172.9	0.00	0.00	0.00	0.00	107H_BHL

# ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well SHANGHAI ROOSTER 15-3 107H
<b>Company:</b>	Delaware Basin Asset - Clean	<b>TVD Reference:</b>	RKB(30') @ 3111.0usft
<b>Project:</b>	Eddy County	<b>MD Reference:</b>	RKB(30') @ 3111.0usft
<b>Site:</b>	Shanghai Rooster 15 3 Federal 803H (Plan)	<b>North Reference:</b>	Grid
<b>Well:</b>	SHANGHAI ROOSTER 15-3 107H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	SHANGHAI ROOSTER 15-3 107H		
<b>Design:</b>	SHANGHAI ROOSTER 15-3 107H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 2.00</b>									
1,000.0	2.00	187.38	1,000.0	-1.7	-0.2	-1.7	2.00	2.00	0.00
1,100.0	4.00	187.38	1,099.8	-6.9	-0.9	-6.9	2.00	2.00	0.00
1,200.0	6.00	187.38	1,199.5	-15.6	-2.0	-15.6	2.00	2.00	0.00
1,300.0	8.00	187.38	1,298.7	-27.6	-3.6	-27.6	2.00	2.00	0.00
1,400.0	10.00	187.38	1,397.5	-43.2	-5.6	-43.1	2.00	2.00	0.00
1,500.0	12.00	187.38	1,495.6	-62.1	-8.0	-62.1	2.00	2.00	0.00
1,598.9	13.98	187.38	1,592.0	-84.1	-10.9	-84.1	2.00	2.00	0.00
<b>Start 3822.8 hold at 1598.9 MD</b>									
1,600.0	13.98	187.38	1,593.1	-84.4	-10.9	-84.4	0.00	0.00	0.00
1,700.0	13.98	187.38	1,690.1	-108.3	-14.0	-108.3	0.00	0.00	0.00
1,800.0	13.98	187.38	1,787.1	-132.3	-17.1	-132.3	0.00	0.00	0.00
1,900.0	13.98	187.38	1,884.2	-156.3	-20.2	-156.2	0.00	0.00	0.00
2,000.0	13.98	187.38	1,981.2	-180.2	-23.3	-180.2	0.00	0.00	0.00
2,100.0	13.98	187.38	2,078.2	-204.2	-26.4	-204.1	0.00	0.00	0.00
2,200.0	13.98	187.38	2,175.3	-228.1	-29.6	-228.0	0.00	0.00	0.00
2,300.0	13.98	187.38	2,272.3	-252.1	-32.7	-252.0	0.00	0.00	0.00
2,400.0	13.98	187.38	2,369.4	-276.0	-35.8	-275.9	0.00	0.00	0.00
2,500.0	13.98	187.38	2,466.4	-300.0	-38.9	-299.9	0.00	0.00	0.00
2,600.0	13.98	187.38	2,563.4	-323.9	-42.0	-323.8	0.00	0.00	0.00
2,700.0	13.98	187.38	2,660.5	-347.9	-45.1	-347.8	0.00	0.00	0.00
2,800.0	13.98	187.38	2,757.5	-371.8	-48.2	-371.7	0.00	0.00	0.00
2,900.0	13.98	187.38	2,854.6	-395.8	-51.3	-395.7	0.00	0.00	0.00
3,000.0	13.98	187.38	2,951.6	-419.8	-54.4	-419.6	0.00	0.00	0.00
3,100.0	13.98	187.38	3,048.6	-443.7	-57.5	-443.6	0.00	0.00	0.00
3,200.0	13.98	187.38	3,145.7	-467.7	-60.6	-467.5	0.00	0.00	0.00
3,300.0	13.98	187.38	3,242.7	-491.6	-63.7	-491.5	0.00	0.00	0.00
3,400.0	13.98	187.38	3,339.8	-515.6	-66.8	-515.4	0.00	0.00	0.00
3,500.0	13.98	187.38	3,436.8	-539.5	-69.9	-539.4	0.00	0.00	0.00
3,600.0	13.98	187.38	3,533.8	-563.5	-73.0	-563.3	0.00	0.00	0.00
3,700.0	13.98	187.38	3,630.9	-587.4	-76.1	-587.3	0.00	0.00	0.00
3,800.0	13.98	187.38	3,727.9	-611.4	-79.2	-611.2	0.00	0.00	0.00
3,900.0	13.98	187.38	3,824.9	-635.3	-82.3	-635.1	0.00	0.00	0.00
4,000.0	13.98	187.38	3,922.0	-659.3	-85.4	-659.1	0.00	0.00	0.00
4,100.0	13.98	187.38	4,019.0	-683.3	-88.5	-683.0	0.00	0.00	0.00
4,200.0	13.98	187.38	4,116.1	-707.2	-91.6	-707.0	0.00	0.00	0.00
4,300.0	13.98	187.38	4,213.1	-731.2	-94.7	-730.9	0.00	0.00	0.00
4,400.0	13.98	187.38	4,310.1	-755.1	-97.8	-754.9	0.00	0.00	0.00
4,500.0	13.98	187.38	4,407.2	-779.1	-100.9	-778.8	0.00	0.00	0.00
4,600.0	13.98	187.38	4,504.2	-803.0	-104.0	-802.8	0.00	0.00	0.00
4,700.0	13.98	187.38	4,601.3	-827.0	-107.1	-826.7	0.00	0.00	0.00
4,800.0	13.98	187.38	4,698.3	-850.9	-110.2	-850.7	0.00	0.00	0.00
4,900.0	13.98	187.38	4,795.3	-874.9	-113.3	-874.6	0.00	0.00	0.00
5,000.0	13.98	187.38	4,892.4	-898.8	-116.4	-898.6	0.00	0.00	0.00
5,100.0	13.98	187.38	4,989.4	-922.8	-119.5	-922.5	0.00	0.00	0.00
5,200.0	13.98	187.38	5,086.5	-946.8	-122.7	-946.5	0.00	0.00	0.00
5,300.0	13.98	187.38	5,183.5	-970.7	-125.8	-970.4	0.00	0.00	0.00
5,400.0	13.98	187.38	5,280.5	-994.7	-128.9	-994.4	0.00	0.00	0.00
5,421.7	13.98	187.38	5,301.6	-999.9	-129.5	-999.6	0.00	0.00	0.00
<b>Start Drop -10.00</b>									
5,500.0	6.15	187.38	5,378.6	-1,013.4	-131.3	-1,013.1	10.00	-10.00	0.00

# ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well SHANGHAI ROOSTER 15-3 107H
<b>Company:</b>	Delaware Basin Asset - Clean	<b>TVD Reference:</b>	RKB(30') @ 3111.0usft
<b>Project:</b>	Eddy County	<b>MD Reference:</b>	RKB(30') @ 3111.0usft
<b>Site:</b>	Shanghai Rooster 15 3 Federal 803H (Plan)	<b>North Reference:</b>	Grid
<b>Well:</b>	SHANGHAI ROOSTER 15-3 107H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	SHANGHAI ROOSTER 15-3 107H		
<b>Design:</b>	SHANGHAI ROOSTER 15-3 107H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,561.5	0.00	0.00	5,440.0	-1,016.7	-131.7	-1,016.4	10.00	-10.00	0.00
Start 3244.8 hold at 5561.5 MD									
8,806.3	0.00	0.00	8,684.8	-1,016.7	-131.7	-1,016.4	0.00	0.00	0.00
Start Turn 0.00									
8,900.0	7.50	359.86	8,778.2	-1,010.6	-131.7	-1,010.2	8.00	8.00	0.00
9,000.0	15.50	359.86	8,876.2	-990.7	-131.8	-990.3	8.00	8.00	0.00
9,100.0	23.50	359.86	8,970.3	-957.3	-131.9	-957.0	8.00	8.00	0.00
9,200.0	31.50	359.86	9,059.0	-911.2	-132.0	-910.9	8.00	8.00	0.00
9,300.0	39.50	359.86	9,140.3	-853.2	-132.1	-852.8	8.00	8.00	0.00
9,400.0	47.50	359.86	9,212.8	-784.4	-132.3	-784.1	8.00	8.00	0.00
9,500.0	55.50	359.86	9,275.0	-706.2	-132.5	-705.9	8.00	8.00	0.00
9,600.0	63.50	359.86	9,325.7	-620.1	-132.7	-619.8	8.00	8.00	0.00
9,700.0	71.50	359.86	9,364.0	-527.8	-132.9	-527.5	8.00	8.00	0.00
9,800.0	79.50	359.86	9,389.0	-431.1	-133.2	-430.7	8.00	8.00	0.00
9,900.0	87.50	359.86	9,400.3	-331.8	-133.4	-331.5	8.00	8.00	0.00
9,931.3	90.00	359.86	9,401.0	-300.5	-133.5	-300.2	8.00	8.00	0.00
Start 5204.1 hold at 9931.3 MD									
10,000.0	90.00	359.86	9,401.0	-231.8	-133.7	-231.5	0.00	0.00	0.00
10,100.0	90.00	359.86	9,401.0	-131.8	-133.9	-131.5	0.00	0.00	0.00
10,200.0	90.00	359.86	9,401.0	-31.8	-134.2	-31.5	0.00	0.00	0.00
10,300.0	90.00	359.86	9,401.0	68.2	-134.4	68.5	0.00	0.00	0.00
10,400.0	90.00	359.86	9,401.0	168.2	-134.7	168.5	0.00	0.00	0.00
10,500.0	90.00	359.86	9,401.0	268.2	-134.9	268.5	0.00	0.00	0.00
10,600.0	90.00	359.86	9,401.0	368.2	-135.2	368.5	0.00	0.00	0.00
10,700.0	90.00	359.86	9,401.0	468.2	-135.4	468.5	0.00	0.00	0.00
10,800.0	90.00	359.86	9,401.0	568.2	-135.7	568.5	0.00	0.00	0.00
10,900.0	90.00	359.86	9,401.0	668.2	-135.9	668.5	0.00	0.00	0.00
11,000.0	90.00	359.86	9,401.0	768.2	-136.2	768.5	0.00	0.00	0.00
11,100.0	90.00	359.86	9,401.0	868.2	-136.4	868.5	0.00	0.00	0.00
11,200.0	90.00	359.86	9,401.0	968.2	-136.7	968.5	0.00	0.00	0.00
11,300.0	90.00	359.86	9,401.0	1,068.2	-136.9	1,068.5	0.00	0.00	0.00
11,400.0	90.00	359.86	9,401.0	1,168.2	-137.2	1,168.5	0.00	0.00	0.00
11,500.0	90.00	359.86	9,401.0	1,268.2	-137.4	1,268.5	0.00	0.00	0.00
11,600.0	90.00	359.86	9,401.0	1,368.2	-137.7	1,368.5	0.00	0.00	0.00
11,700.0	90.00	359.86	9,401.0	1,468.2	-137.9	1,468.5	0.00	0.00	0.00
11,800.0	90.00	359.86	9,401.0	1,568.2	-138.2	1,568.5	0.00	0.00	0.00
11,900.0	90.00	359.86	9,401.0	1,668.2	-138.4	1,668.5	0.00	0.00	0.00
12,000.0	90.00	359.86	9,401.0	1,768.2	-138.7	1,768.5	0.00	0.00	0.00
12,100.0	90.00	359.86	9,401.0	1,868.2	-138.9	1,868.5	0.00	0.00	0.00
12,200.0	90.00	359.86	9,401.0	1,968.2	-139.2	1,968.5	0.00	0.00	0.00
12,300.0	90.00	359.86	9,401.0	2,068.2	-139.4	2,068.5	0.00	0.00	0.00
12,400.0	90.00	359.86	9,401.0	2,168.2	-139.7	2,168.5	0.00	0.00	0.00
12,500.0	90.00	359.86	9,401.0	2,268.2	-139.9	2,268.5	0.00	0.00	0.00
12,600.0	90.00	359.86	9,401.0	2,368.2	-140.2	2,368.5	0.00	0.00	0.00
12,700.0	90.00	359.86	9,401.0	2,468.2	-140.4	2,468.5	0.00	0.00	0.00
12,800.0	90.00	359.86	9,401.0	2,568.2	-140.7	2,568.5	0.00	0.00	0.00
12,900.0	90.00	359.86	9,401.0	2,668.2	-140.9	2,668.5	0.00	0.00	0.00
13,000.0	90.00	359.86	9,401.0	2,768.2	-141.2	2,768.5	0.00	0.00	0.00
13,100.0	90.00	359.86	9,401.0	2,868.2	-141.4	2,868.5	0.00	0.00	0.00
13,200.0	90.00	359.86	9,401.0	2,968.2	-141.7	2,968.5	0.00	0.00	0.00
13,300.0	90.00	359.86	9,401.0	3,068.2	-141.9	3,068.5	0.00	0.00	0.00
13,400.0	90.00	359.86	9,401.0	3,168.2	-142.2	3,168.5	0.00	0.00	0.00
13,500.0	90.00	359.86	9,401.0	3,268.2	-142.4	3,268.5	0.00	0.00	0.00

# ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well SHANGHAI ROOSTER 15-3 107H
<b>Company:</b>	Delaware Basin Asset - Clean	<b>TVD Reference:</b>	RKB(30') @ 3111.0usft
<b>Project:</b>	Eddy County	<b>MD Reference:</b>	RKB(30') @ 3111.0usft
<b>Site:</b>	Shanghai Rooster 15 3 Federal 803H (Plan)	<b>North Reference:</b>	Grid
<b>Well:</b>	SHANGHAI ROOSTER 15-3 107H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	SHANGHAI ROOSTER 15-3 107H		
<b>Design:</b>	SHANGHAI ROOSTER 15-3 107H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.00	359.86	9,401.0	3,368.2	-142.7	3,368.5	0.00	0.00	0.00
13,700.0	90.00	359.86	9,401.0	3,468.2	-142.9	3,468.5	0.00	0.00	0.00
13,800.0	90.00	359.86	9,401.0	3,568.2	-143.2	3,568.5	0.00	0.00	0.00
13,900.0	90.00	359.86	9,401.0	3,668.2	-143.4	3,668.5	0.00	0.00	0.00
14,000.0	90.00	359.86	9,401.0	3,768.2	-143.7	3,768.5	0.00	0.00	0.00
14,100.0	90.00	359.86	9,401.0	3,868.2	-143.9	3,868.5	0.00	0.00	0.00
14,200.0	90.00	359.86	9,401.0	3,968.2	-144.2	3,968.5	0.00	0.00	0.00
14,300.0	90.00	359.86	9,401.0	4,068.2	-144.4	4,068.5	0.00	0.00	0.00
14,400.0	90.00	359.86	9,401.0	4,168.2	-144.7	4,168.5	0.00	0.00	0.00
14,500.0	90.00	359.86	9,401.0	4,268.2	-144.9	4,268.5	0.00	0.00	0.00
14,600.0	90.00	359.86	9,401.0	4,368.2	-145.2	4,368.5	0.00	0.00	0.00
14,700.0	90.00	359.86	9,401.0	4,468.2	-145.4	4,468.5	0.00	0.00	0.00
14,800.0	90.00	359.86	9,401.0	4,568.2	-145.7	4,568.5	0.00	0.00	0.00
14,900.0	90.00	359.86	9,401.0	4,668.2	-145.9	4,668.5	0.00	0.00	0.00
15,000.0	90.00	359.86	9,401.0	4,768.2	-146.2	4,768.5	0.00	0.00	0.00
15,100.0	90.00	359.86	9,401.0	4,868.2	-146.4	4,868.5	0.00	0.00	0.00
15,135.4	90.00	359.86	9,401.0	4,903.6	-146.5	4,903.9	0.00	0.00	0.00
Start 10517.8 hold at 15135.4 MD									
15,200.0	90.00	359.86	9,401.0	4,968.2	-146.7	4,968.5	0.00	0.00	0.00
15,300.0	90.00	359.86	9,401.0	5,068.2	-146.9	5,068.5	0.00	0.00	0.00
15,400.0	90.00	359.86	9,401.0	5,168.2	-147.2	5,168.5	0.00	0.00	0.00
15,500.0	90.00	359.86	9,401.0	5,268.2	-147.4	5,268.5	0.00	0.00	0.00
15,600.0	90.00	359.86	9,401.0	5,368.2	-147.7	5,368.5	0.00	0.00	0.00
15,700.0	90.00	359.86	9,401.0	5,468.2	-147.9	5,468.5	0.00	0.00	0.00
15,800.0	90.00	359.86	9,401.0	5,568.2	-148.2	5,568.5	0.00	0.00	0.00
15,900.0	90.00	359.86	9,401.0	5,668.2	-148.4	5,668.5	0.00	0.00	0.00
16,000.0	90.00	359.86	9,401.0	5,768.2	-148.7	5,768.5	0.00	0.00	0.00
16,100.0	90.00	359.86	9,401.0	5,868.2	-148.9	5,868.5	0.00	0.00	0.00
16,200.0	90.00	359.86	9,401.0	5,968.2	-149.2	5,968.5	0.00	0.00	0.00
16,300.0	90.00	359.86	9,401.0	6,068.2	-149.4	6,068.5	0.00	0.00	0.00
16,400.0	90.00	359.86	9,401.0	6,168.2	-149.7	6,168.5	0.00	0.00	0.00
16,500.0	90.00	359.86	9,401.0	6,268.2	-149.9	6,268.5	0.00	0.00	0.00
16,600.0	90.00	359.86	9,401.0	6,368.2	-150.2	6,368.5	0.00	0.00	0.00
16,700.0	90.00	359.86	9,401.0	6,468.2	-150.4	6,468.5	0.00	0.00	0.00
16,800.0	90.00	359.86	9,401.0	6,568.2	-150.7	6,568.5	0.00	0.00	0.00
16,900.0	90.00	359.86	9,401.0	6,668.2	-150.9	6,668.5	0.00	0.00	0.00
17,000.0	90.00	359.86	9,401.0	6,768.2	-151.2	6,768.5	0.00	0.00	0.00
17,100.0	90.00	359.86	9,401.0	6,868.2	-151.4	6,868.5	0.00	0.00	0.00
17,200.0	90.00	359.86	9,401.0	6,968.2	-151.7	6,968.5	0.00	0.00	0.00
17,300.0	90.00	359.86	9,401.0	7,068.2	-151.9	7,068.5	0.00	0.00	0.00
17,400.0	90.00	359.86	9,401.0	7,168.2	-152.2	7,168.5	0.00	0.00	0.00
17,500.0	90.00	359.86	9,401.0	7,268.2	-152.4	7,268.5	0.00	0.00	0.00
17,600.0	90.00	359.86	9,401.0	7,368.2	-152.7	7,368.5	0.00	0.00	0.00
17,700.0	90.00	359.86	9,401.0	7,468.2	-152.9	7,468.5	0.00	0.00	0.00
17,800.0	90.00	359.86	9,401.0	7,568.2	-153.2	7,568.5	0.00	0.00	0.00
17,900.0	90.00	359.86	9,401.0	7,668.2	-153.4	7,668.5	0.00	0.00	0.00
18,000.0	90.00	359.86	9,401.0	7,768.2	-153.7	7,768.5	0.00	0.00	0.00
18,100.0	90.00	359.86	9,401.0	7,868.2	-153.9	7,868.5	0.00	0.00	0.00
18,200.0	90.00	359.86	9,401.0	7,968.2	-154.2	7,968.5	0.00	0.00	0.00
18,300.0	90.00	359.86	9,401.0	8,068.2	-154.4	8,068.5	0.00	0.00	0.00
18,400.0	90.00	359.86	9,401.0	8,168.2	-154.7	8,168.5	0.00	0.00	0.00
18,500.0	90.00	359.86	9,401.0	8,268.2	-154.9	8,268.5	0.00	0.00	0.00
18,600.0	90.00	359.86	9,401.0	8,368.2	-155.2	8,368.5	0.00	0.00	0.00
18,700.0	90.00	359.86	9,401.0	8,468.2	-155.4	8,468.5	0.00	0.00	0.00

## ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well SHANGHAI ROOSTER 15-3 107H
<b>Company:</b>	Delaware Basin Asset - Clean	<b>TVD Reference:</b>	RKB(30') @ 3111.0usft
<b>Project:</b>	Eddy County	<b>MD Reference:</b>	RKB(30') @ 3111.0usft
<b>Site:</b>	Shanghai Rooster 15 3 Federal 803H (Plan)	<b>North Reference:</b>	Grid
<b>Well:</b>	SHANGHAI ROOSTER 15-3 107H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	SHANGHAI ROOSTER 15-3 107H		
<b>Design:</b>	SHANGHAI ROOSTER 15-3 107H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,800.0	90.00	359.86	9,401.0	8,568.2	-155.7	8,568.5	0.00	0.00	0.00
18,900.0	90.00	359.86	9,401.0	8,668.2	-155.9	8,668.5	0.00	0.00	0.00
19,000.0	90.00	359.86	9,401.0	8,768.2	-156.2	8,768.5	0.00	0.00	0.00
19,100.0	90.00	359.86	9,401.0	8,868.2	-156.4	8,868.5	0.00	0.00	0.00
19,200.0	90.00	359.86	9,401.0	8,968.2	-156.7	8,968.5	0.00	0.00	0.00
19,300.0	90.00	359.86	9,401.0	9,068.2	-156.9	9,068.5	0.00	0.00	0.00
19,400.0	90.00	359.86	9,401.0	9,168.2	-157.2	9,168.5	0.00	0.00	0.00
19,500.0	90.00	359.86	9,401.0	9,268.2	-157.4	9,268.5	0.00	0.00	0.00
19,600.0	90.00	359.86	9,401.0	9,368.2	-157.7	9,368.5	0.00	0.00	0.00
19,700.0	90.00	359.86	9,401.0	9,468.2	-157.9	9,468.5	0.00	0.00	0.00
19,800.0	90.00	359.86	9,401.0	9,568.2	-158.2	9,568.5	0.00	0.00	0.00
19,900.0	90.00	359.86	9,401.0	9,668.2	-158.4	9,668.5	0.00	0.00	0.00
20,000.0	90.00	359.86	9,401.0	9,768.2	-158.7	9,768.5	0.00	0.00	0.00
20,100.0	90.00	359.86	9,401.0	9,868.2	-158.9	9,868.5	0.00	0.00	0.00
20,200.0	90.00	359.86	9,401.0	9,968.2	-159.2	9,968.5	0.00	0.00	0.00
20,300.0	90.00	359.86	9,401.0	10,068.2	-159.4	10,068.5	0.00	0.00	0.00
20,400.0	90.00	359.86	9,401.0	10,168.2	-159.7	10,168.5	0.00	0.00	0.00
20,500.0	90.00	359.86	9,401.0	10,268.2	-159.9	10,268.5	0.00	0.00	0.00
20,600.0	90.00	359.86	9,401.0	10,368.2	-160.2	10,368.5	0.00	0.00	0.00
20,700.0	90.00	359.86	9,401.0	10,468.2	-160.4	10,468.5	0.00	0.00	0.00
20,800.0	90.00	359.86	9,401.0	10,568.2	-160.7	10,568.5	0.00	0.00	0.00
20,900.0	90.00	359.86	9,401.0	10,668.2	-160.9	10,668.5	0.00	0.00	0.00
21,000.0	90.00	359.86	9,401.0	10,768.2	-161.1	10,768.5	0.00	0.00	0.00
21,100.0	90.00	359.86	9,401.0	10,868.2	-161.4	10,868.5	0.00	0.00	0.00
21,200.0	90.00	359.86	9,401.0	10,968.2	-161.6	10,968.5	0.00	0.00	0.00
21,300.0	90.00	359.86	9,401.0	11,068.2	-161.9	11,068.5	0.00	0.00	0.00
21,400.0	90.00	359.86	9,401.0	11,168.2	-162.1	11,168.5	0.00	0.00	0.00
21,500.0	90.00	359.86	9,401.0	11,268.2	-162.4	11,268.5	0.00	0.00	0.00
21,600.0	90.00	359.86	9,401.0	11,368.2	-162.6	11,368.5	0.00	0.00	0.00
21,700.0	90.00	359.86	9,401.0	11,468.2	-162.9	11,468.5	0.00	0.00	0.00
21,800.0	90.00	359.86	9,401.0	11,568.2	-163.1	11,568.5	0.00	0.00	0.00
21,900.0	90.00	359.86	9,401.0	11,668.2	-163.4	11,668.5	0.00	0.00	0.00
22,000.0	90.00	359.86	9,401.0	11,768.2	-163.6	11,768.5	0.00	0.00	0.00
22,100.0	90.00	359.86	9,401.0	11,868.2	-163.9	11,868.5	0.00	0.00	0.00
22,200.0	90.00	359.86	9,401.0	11,968.2	-164.1	11,968.5	0.00	0.00	0.00
22,300.0	90.00	359.86	9,401.0	12,068.2	-164.4	12,068.5	0.00	0.00	0.00
22,400.0	90.00	359.86	9,401.0	12,168.2	-164.6	12,168.5	0.00	0.00	0.00
22,500.0	90.00	359.86	9,401.0	12,268.2	-164.9	12,268.5	0.00	0.00	0.00
22,600.0	90.00	359.86	9,401.0	12,368.2	-165.1	12,368.5	0.00	0.00	0.00
22,700.0	90.00	359.86	9,401.0	12,468.2	-165.4	12,468.5	0.00	0.00	0.00
22,800.0	90.00	359.86	9,401.0	12,568.2	-165.6	12,568.5	0.00	0.00	0.00
22,900.0	90.00	359.86	9,401.0	12,668.2	-165.9	12,668.5	0.00	0.00	0.00
23,000.0	90.00	359.86	9,401.0	12,768.2	-166.1	12,768.5	0.00	0.00	0.00
23,100.0	90.00	359.86	9,401.0	12,868.2	-166.4	12,868.5	0.00	0.00	0.00
23,200.0	90.00	359.86	9,401.0	12,968.2	-166.6	12,968.5	0.00	0.00	0.00
23,300.0	90.00	359.86	9,401.0	13,068.2	-166.9	13,068.5	0.00	0.00	0.00
23,400.0	90.00	359.86	9,401.0	13,168.2	-167.1	13,168.5	0.00	0.00	0.00
23,500.0	90.00	359.86	9,401.0	13,268.2	-167.4	13,268.5	0.00	0.00	0.00
23,600.0	90.00	359.86	9,401.0	13,368.2	-167.6	13,368.5	0.00	0.00	0.00
23,700.0	90.00	359.86	9,401.0	13,468.2	-167.9	13,468.5	0.00	0.00	0.00
23,800.0	90.00	359.86	9,401.0	13,568.2	-168.1	13,568.5	0.00	0.00	0.00
23,900.0	90.00	359.86	9,401.0	13,668.2	-168.4	13,668.5	0.00	0.00	0.00
24,000.0	90.00	359.86	9,401.0	13,768.2	-168.6	13,768.5	0.00	0.00	0.00
24,100.0	90.00	359.86	9,401.0	13,868.2	-168.9	13,868.5	0.00	0.00	0.00



ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well SHANGHAI ROOSTER 15-3 107H
Company:	Delaware Basin Asset - Clean	TVD Reference:	RKB(30') @ 3111.0usft
Project:	Eddy County	MD Reference:	RKB(30') @ 3111.0usft
Site:	Shanghai Rooster 15 3 Federal 803H (Plan)	North Reference:	Grid
Well:	SHANGHAI ROOSTER 15-3 107H	Survey Calculation Method:	Minimum Curvature
Wellbore:	SHANGHAI ROOSTER 15-3 107H		
Design:	SHANGHAI ROOSTER 15-3 107H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,200.0	90.00	359.86	9,401.0	13,968.2	-169.1	13,968.5	0.00	0.00	0.00
24,300.0	90.00	359.86	9,401.0	14,068.2	-169.4	14,068.5	0.00	0.00	0.00
24,400.0	90.00	359.86	9,401.0	14,168.2	-169.6	14,168.5	0.00	0.00	0.00
24,500.0	90.00	359.86	9,401.0	14,268.2	-169.9	14,268.5	0.00	0.00	0.00
24,600.0	90.00	359.86	9,401.0	14,368.2	-170.1	14,368.5	0.00	0.00	0.00
24,700.0	90.00	359.86	9,401.0	14,468.2	-170.4	14,468.5	0.00	0.00	0.00
24,800.0	90.00	359.86	9,401.0	14,568.2	-170.6	14,568.5	0.00	0.00	0.00
24,900.0	90.00	359.86	9,401.0	14,668.2	-170.9	14,668.5	0.00	0.00	0.00
25,000.0	90.00	359.86	9,401.0	14,768.2	-171.1	14,768.5	0.00	0.00	0.00
25,100.0	90.00	359.86	9,401.0	14,868.2	-171.4	14,868.5	0.00	0.00	0.00
25,200.0	90.00	359.86	9,401.0	14,968.2	-171.6	14,968.5	0.00	0.00	0.00
25,300.0	90.00	359.86	9,401.0	15,068.2	-171.9	15,068.5	0.00	0.00	0.00
25,400.0	90.00	359.86	9,401.0	15,168.2	-172.1	15,168.5	0.00	0.00	0.00
25,500.0	90.00	359.86	9,401.0	15,268.2	-172.4	15,268.5	0.00	0.00	0.00
25,600.0	90.00	359.86	9,401.0	15,368.2	-172.6	15,368.5	0.00	0.00	0.00
25,653.2	90.00	359.86	9,401.0	15,421.4	-172.8	15,421.8	0.00	0.00	0.00
Start 50.0 hold at 25653.2 MD									
25,700.0	90.00	359.86	9,401.0	15,468.2	-172.9	15,468.5	0.00	0.00	0.00
25,703.2	90.00	359.86	9,401.0	15,471.4	-172.9	15,471.8	0.00	0.00	0.00
TD at 25703.2									

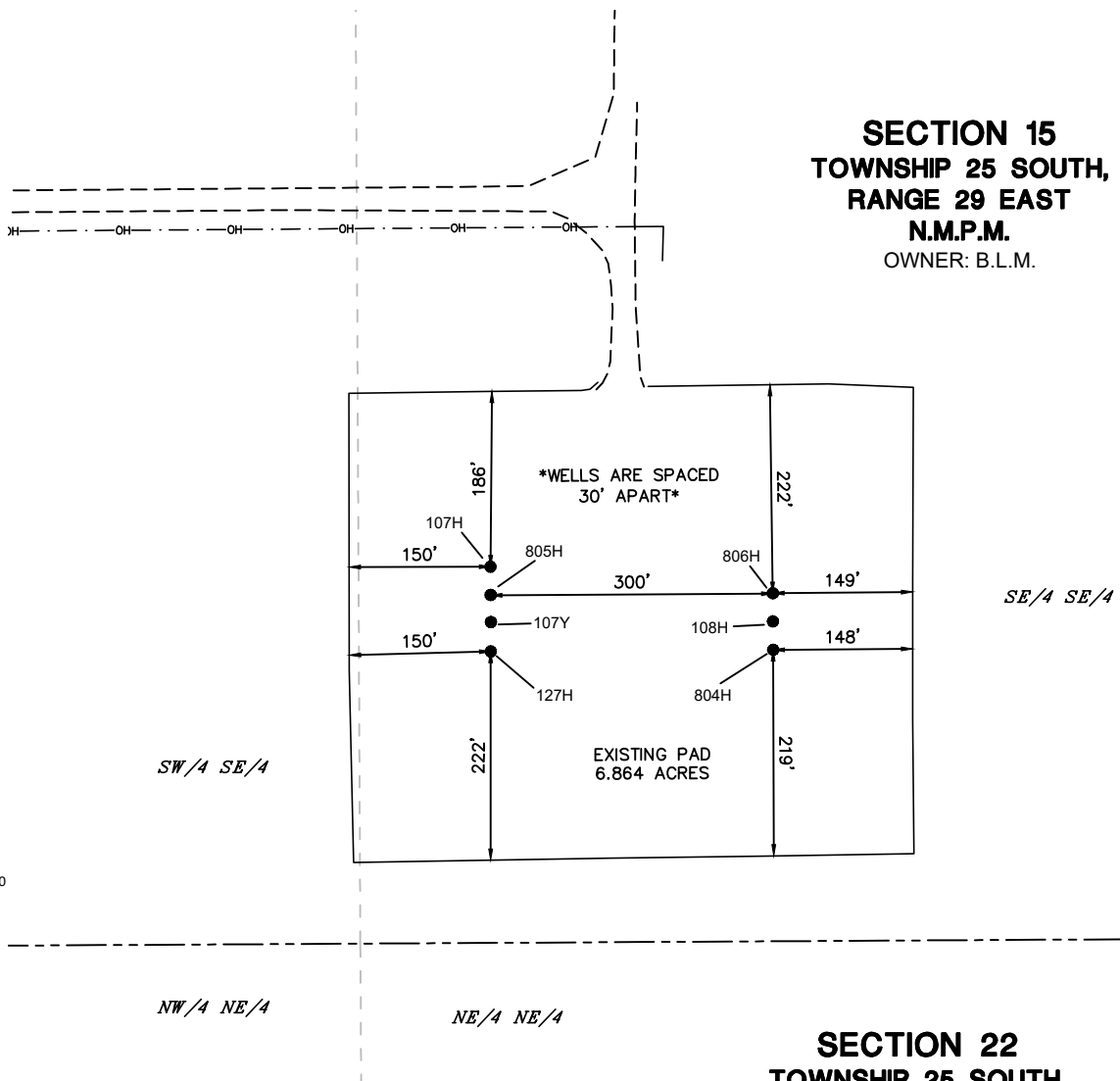
Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
107H_SHL	0.00	0.00	0.0	0.0	0.0	408,931.20	613,385.30	32° 7' 25.459 N	103° 58' 1.475 W
- plan hits target center									
- Rectangle (sides W20.0 H20.0 D0.0)									
107H_PPP1	0.00	0.00	9,401.0	4,903.6	-146.5	413,834.80	613,238.80	32° 8' 13.991 N	103° 58' 2.985 W
- plan hits target center									
- Point									
107H_LTP	0.00	0.00	9,401.0	15,421.4	-172.6	424,352.60	613,212.70	32° 9' 58.080 N	103° 58' 2.873 W
- plan misses target center by 0.2usft at 25653.2usft MD (9401.0 TVD, 15421.4 N, -172.8 E)									
- Point									
107H_FTP	0.00	0.00	9,401.0	-300.5	-133.5	408,630.70	613,251.80	32° 7' 22.489 N	103° 58' 3.039 W
- plan hits target center									
- Point									
107H_BHL	0.00	0.00	9,401.0	15,471.4	-172.6	424,402.60	613,212.70	32° 9' 58.574 N	103° 58' 2.871 W
- plan misses target center by 0.3usft at 25703.2usft MD (9401.0 TVD, 15471.4 N, -172.9 E)									
- Point									

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well SHANGHAI ROOSTER 15-3 107H
Company:	Delaware Basin Asset - Clean	TVD Reference:	RKB(30') @ 3111.0usft
Project:	Eddy County	MD Reference:	RKB(30') @ 3111.0usft
Site:	Shanghai Rooster 15 3 Federal 803H (Plan)	North Reference:	Grid
Well:	SHANGHAI ROOSTER 15-3 107H	Survey Calculation Method:	Minimum Curvature
Wellbore:	SHANGHAI ROOSTER 15-3 107H		
Design:	SHANGHAI ROOSTER 15-3 107H		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
900.0	900.0	0.0	0.0	Start Build 2.00
1,598.9	1,592.0	-84.1	-10.9	Start 3822.8 hold at 1598.9 MD
5,421.7	5,301.6	-999.9	-129.5	Start Drop -10.00
5,561.5	5,440.0	-1,016.7	-131.7	Start 3244.8 hold at 5561.5 MD
8,806.3	8,684.8	-1,016.7	-131.7	Start Turn 0.00
9,931.3	9,401.0	-300.5	-133.5	Start 5204.1 hold at 9931.3 MD
15,135.4	9,401.0	4,903.6	-146.5	Start 10517.8 hold at 15135.4 MD
25,653.2	9,401.0	15,421.4	-172.8	Start 50.0 hold at 25653.2 MD
25,703.2	9,401.0	15,471.4	-172.9	TD at 25703.2

**GENERAL NOTES**

1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. REFER TO TOPOGRAPHICAL AND ACCESS ROAD MAP FOR PROPOSED ROAD LOCATION.

**DRIVING DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF LONGHORN ROAD AND PIPELINE ROAD NUMBER 1, HEAD NORTHEAST ON PIPELINE ROAD NUMBER ONE AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ONTO LEASE ROAD AND GO APPROX. 3.2 MILES. TURN RIGHT (EAST) ONTO LEASE ROAD AND GO APPROX. 0.8 MILES. TURN RIGHT (SOUTH) ONTO LEASE ROAD AND GO APPROX. 200 FEET AND THE LOCATION IS TO THE SOUTH.

**SECTION 22**  
**TOWNSHIP 25 SOUTH,**  
**RANGE 29 EAST**  
**N.M.P.M.**  
OWNER: B.L.M.

**LEGEND**

---	SECTION LINE
---	EXISTING PAD
●	PROPOSED WELL LOCATION
---	EXISTING ROAD
--- OH --- OH ---	EXISTING OVERHEAD ELECTRIC

I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



MARK DILLON HARP  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF NEW MEXICO NO. 23786



505 Pecan Street, Suite 201, Fort Worth, TX 76102  
ph: 817.865.5344 manhard.com  
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

©2023 MANHARD CONSULTING, ALL RIGHTS RESERVED

**A WELL SITE PLAN FOR XTO ENERGY, INC.**  
**SHANGHAI ROOSTER 15-3 FED PAD D**

LOCATED 339 FEET FROM THE SOUTH LINE AND 1,035 FEET FROM THE EAST LINE  
OF SECTION 15, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY: <b>AR</b>	DATE: <b>03-27-2023</b>	SCALE: <b>1" = 200'</b>	PROJECT NO.: <b>618.013013.01</b>
DRAWN BY: <b>AI/DB</b>	FIELD CREW: <b>RD</b>	REVISION NO.: <b>NO</b>	SHEET: <b>1 OF 3</b>

Form 3160-3  
(August 2007)FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
NMNM14778

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
Shanghai Rooster 15-3 Fed 107H

9. API Well No.

1a. Type of work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone

2. Name of Operator XTO Energy, Inc.

3a. Address 6401 Holiday Hill Road, Bldg 5  
Midland, Texas 797013b. Phone No. (include area code)  
970-769-604810. Field and Pool, or Exploratory  
96217 Willow Lake; Bone Spring, SE

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface SESE / 400 FSL / 1185 FEL / LAT 32.123863 / LONG -103.967563

At proposed prod. zone LOT 36 / 50 FSL / 1320 FEL / LAT 32.123039 / LONG -103.967997

11. Sec., T. R. M. or Blk. and Survey or Area  
SEC 15 / T25S / R29E / NMP

14. Distance in miles and direction from nearest town or post office\*

12. County or Parish  
Eddy13. State  
NM15. Distance from proposed\* 400 feet  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

16. No. of acres in lease

17. Spacing Unit dedicated to this well  
959.418. Distance from proposed location\* 30 feet  
to nearest well, drilling, completed,  
applied for, on this lease, ft.19. Proposed Depth  
9401 feet / 25703 feet20. BLM/BIA Bond No. on file  
FED: UTB00013821. Elevations (Show whether DF, KDB, RT, GL, etc.)  
3079 feet22. Approximate date work will start\*  
04/07/202323. Estimated duration  
90 Days

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Jessica Dooling

Name (Printed/Typed)

Jessica Dooling

Date

03/31/2023

Title

Regulatory Coordinator

Approved by (Signature)

CHRISTOPHER WALLS

Digitally signed by CHRISTOPHER WALLS

Date: 2023.03.31 16:47:32 -06'00'

Name (Printed/Typed)

Office

Date

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS  
  
Action 285263

COMMENTS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  285263
	Action Type:  [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
dmcclure	The new well for this skid is 30-015-53675 SHANGHAI ROOSTER 15 3 FEDERAL #107H	4/8/2024

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 285263

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  285263
	Action Type:  [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclore	ACCEPTED FOR RECORD ONLY	4/8/2024