

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address XTO Energy, Inc. 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 5380
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-46433	⁵ Pool Name PURPLE SAGE; WOLF CAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 317788	⁸ Property Name REMUDA SOUTH 25 STATE	⁹ Well Number 163H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	25	23S	29E		2355	North	1950	West	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	23S	29E		228	South	1752	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Midstream, LP	Oil
373075	XTO Permian Midstream	Gas
005380	XTO Energy, Inc	Wtr

IV. Well Completion Data

²¹ Spud Date 8/8/2020	²² Ready Date 7/27/2021	²³ TD 19015 MD 11315 TVD	²⁴ PBD 18998 MD 11315 TVD	²⁵ Perforations 11,594 - 18,895	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20	16	312	660		
14.75	11.75	3157	3050		
10.625	8.625	10557	1670		
7.875	5.5/2-7/8	19000/10806	1935		

V. Well Test Data

³¹ Date New Oil 7/28/21	³² Gas Delivery Date 7/30/21	³³ Test Date 7/30/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 0
³⁷ Choke Size	³⁸ Oil 1332	³⁹ Water 4083	⁴⁰ Gas 10701		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Cassie Evans</i>			OIL CONSERVATION DIVISION		
Printed name: Cassie Evans			Approved by: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: cassie.evans@exxonmobil.com			Approval Date: 10/05/2021		
Date: 08/26/21	Phone: 432.218.3671				

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

AS-DRILLED PLAT

¹ API Number 30-015-46433	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 317788	⁵ Property Name REMUDA SOUTH 25 STATE	⁶ Well Number 163H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,075'

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
F	25	23 S	29 E		2,355	NORTH	1,950	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
N	36	23 S	29 E		228	SOUTH	1,752	WEST	EDDY

¹² Dedicated Acres 480	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. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

	SHL (NAD83 NME) Y = 464,624.5 X = 662,767.0 LAT. = 32.276716 °N LONG. = 103.940427 °W KOP (NAD83 NME) Y = 464,494.2 X = 662,723.9 LAT. = 32.276358 °N LONG. = 103.940568 °W FTP (NAD83 NME) Y = 463,956.6 X = 662,608.5 LAT. = 32.274882 °N LONG. = 103.940948 °W CORNER COORDINATES (NAD83 NME) A - Y = 464,319.1 N , X = 663,469.2 E B - Y = 464,319.7 N , X = 662,143.0 E C - Y = 461,667.3 N , X = 663,474.1 E D - Y = 461,666.6 N , X = 662,145.6 E E - Y = 459,005.9 N , X = 663,487.6 E F - Y = 459,004.0 N , X = 662,159.8 E G - Y = 456,347.1 N , X = 663,501.0 E H - Y = 456,344.3 N , X = 662,174.7 E SHL (NAD27 NME) Y = 464,564.6 X = 621,584.2 LAT. = 32.276592 °N LONG. = 103.939935 °W KOP (NAD27 NME) Y = 464,434.3 X = 621,541.1 LAT. = 32.276234 °N LONG. = 103.940076 °W FTP (NAD27 NME) Y = 463,896.7 X = 621,425.7 LAT. = 32.274758 °N LONG. = 103.940456 °W CORNER COORDINATES (NAD27 NME) A - Y = 464,259.2 N , X = 622,286.4 E B - Y = 464,259.9 N , X = 620,960.2 E C - Y = 461,607.4 N , X = 622,291.2 E D - Y = 461,606.7 N , X = 620,962.7 E E - Y = 458,946.2 N , X = 622,304.6 E F - Y = 458,944.3 N , X = 620,976.8 E G - Y = 456,287.4 N , X = 622,318.0 E H - Y = 456,284.6 N , X = 620,991.6 E	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. <i>Cassie Evans</i> 08/26/21 Signature Date Cassie Evans Printed Name cassie.evans@exxonmobil.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. 7-21-2021 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number JC 2019103424
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Intent ☐ As Drilled ☒

API # 30-015-46433		
Operator Name: XTO ENERGY, INC.	Property Name: REMUDA SOUTH 25 STATE	Well Number 163H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	25	23S	29E		2,485	FNL	1,907	FWL	EDDY
Latitude 32.276358					Longitude 103.940568				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	25	23S	29E		2,290	FSL	1,792	FWL	EDDY
Latitude 32.274882					Longitude 103.940948				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	36	23S	29E		348	FSL	1,756	FWL	EDDY
Latitude 32.254917					Longitude 103.941055				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



XTO Energy Inc.
EMHC.W4.4A.275
22777 Springwoods Village Pkwy
Spring TX 77389-1425
832-625-4370 - Direct Phone
carlos.salinas@exxonmobil.com

September 16, 2020

XTO Energy Inc.
22777 Springwoods Village Pkwy
Spring, Texas 77389

Re: Waiver of Objection: Non-Standard Spacing Unit or Units for:

NE/4 Sec 25, T23S-R29E, for Remuda South 25 105H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 125H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 166H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 126H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 167H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 107H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 108H
NE/4 Sec 25, T23S-R29E, for Remuda South 25 908H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 105H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 125H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 126H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 906H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 127H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 168H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 107H
SE/4 Sec 25, T23S-R29E, for Remuda North 25 128H

To Whom It May Concern:

XTO Energy Inc., as designated operator of the NE/4 and SE/4 Section 25-T23S-R29E, hereby waives objection for approval of a non-standard spacing unit or units comprised of the following:

NE/4 Sec 25, T23S-R29E, for Remuda South 25 105H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 125H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 166H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 126H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 167H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 107H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 108H;
NE/4 Sec 25, T23S-R29E, for Remuda South 25 908H; and

SE/4 Sec 25, T23S-R29E, for Remuda North 25 105H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 125H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 126H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 906H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 127H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 168H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 107H;
SE/4 Sec 25, T23S-R29E, for Remuda North 25 128H

in Eddy County, New Mexico. The acreage is expected to be placed in the Purple Sage; Wolfcamp Pool (Pool Code 98820) with a designation of 480-acre spacing per well. The NE/4 and SE/4 of Section 25 is located in adjacent horizontal spacing unit tracts with 0-acreage being stranded or abandoned.

Should you have any questions, please do not hesitate to contact me directly at 832-625-4370.

Thank you in advance for your prompt attention to this matter.

Sincerely,

XTO Energy Inc.

A handwritten signature in blue ink, appearing to read "CR Salinas".

Sr. Landman



NABORS DRILLING TECHNOLOGIES USA, INC.
 515 West Greens Road
 Houston, TX 77067
 Phone: 281.874.0035
 Fax: 281.872.5205

Tuesday, August 18, 2020

State of New Mexico
 County of Eddy

Subject: **Survey Certification Letter**

Survey Company: **NABORS DRILLING TECH USA, INC.**

Job Number: **T8894**

Survey Job Type: **Nabors MWD**

Customer: **XTO Permian Operating LLC**

Well Name: **Remuda South 25 State 163H**

Rig Name: **Nabors M7507**

Surface: **32.276145 / -103.940250**

A.P.I. No: **30-015-46433**

Location: **Eddy, NM**

RKB Height: **3098'**

Distance to Bit: **71'**

Surveyor Name	Surveyor Title	Borehole Number	Start Depth	End Depth	Start Date	End Date	Type of	TD Straight
								Line Projection
Jose Garcia	MWD Supervisor	OH	181'	10519'	08/08/20	08/18/20	MWD	10590'

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by NABORS DRILLING TECHNOLOGIES USA, INC. I am authorized and qualified to review the data, calculations and these reports; the reports represents true and correct Directional Surveys of this well based on the original data, the minimum curvature method, corrected to Grid North and obtained at the well site.

Jose Garcia
 MWD Supervisor
 NABORS DRILLING TECHNOLOGIES USA, INC.



XTO Permian Operating, LLC

Eddy Co., NM

Remuda South 25 State

163H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

08 September, 2020





Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 163H
Project:	Eddy Co., NM	TVD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Site:	Remuda South 25 State	MD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Well:	163H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Project	Eddy Co., NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Remuda South 25 State			
Site Position:		Northing:	464,564.400 usft	Latitude:	32° 16' 35.730724 N
From:	Map	Easting:	621,554.200 usft	Longitude:	103° 56' 24.116704 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well	163H					
Well Position	+N/-S	0.00 ft	Northing:	464,564.600 usft	Latitude:	32° 16' 35.731615 N
	+E/-W	0.00 ft	Easting:	621,584.200 usft	Longitude:	103° 56' 23.767258 W
Position Uncertainty		2.00 ft	Wellhead Elevation:	ft	Ground Level:	3,075.00 ft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	8/8/2020	6.93	59.97	47,727.00000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	181.21	

Survey Program		Date	9/8/2020		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
181.00	10,590.00	Survey #1 (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181.00	0.75	159.84	180.99	-1.11	0.41	1.10	0.41	0.41	0.00
243.00	1.09	178.24	242.99	-2.08	0.57	2.07	0.72	0.55	29.68
292.00	0.92	199.57	291.98	-2.92	0.45	2.91	0.83	-0.35	43.53
345.00	1.22	193.89	344.97	-3.87	0.17	3.86	0.60	0.57	-10.72
436.00	1.36	190.07	435.95	-5.87	-0.25	5.88	0.18	0.15	-4.20
529.00	1.08	198.18	528.93	-7.79	-0.72	7.80	0.35	-0.30	8.72
617.00	1.05	201.28	616.91	-9.33	-1.27	9.35	0.07	-0.03	3.52
709.00	1.22	201.62	708.89	-11.03	-1.94	11.06	0.18	0.18	0.37



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 163H
Project:	Eddy Co., NM	TVD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Site:	Remuda South 25 State	MD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Well:	163H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
801.00	1.18	196.99	800.87	-12.84	-2.57	12.89	0.11	-0.04	-5.03
893.00	1.08	189.99	892.85	-14.60	-3.00	14.66	0.19	-0.11	-7.61
987.00	0.88	185.47	986.84	-16.19	-3.22	16.26	0.23	-0.21	-4.81
1,082.00	0.97	196.72	1,081.83	-17.69	-3.52	17.76	0.21	0.09	11.84
1,176.00	0.90	198.28	1,175.82	-19.15	-3.98	19.23	0.08	-0.07	1.66
1,270.00	0.74	220.61	1,269.81	-20.31	-4.61	20.41	0.38	-0.17	23.76
1,365.00	0.98	207.49	1,364.80	-21.50	-5.38	21.61	0.33	0.25	-13.81
1,459.00	0.87	220.56	1,458.78	-22.76	-6.22	22.88	0.25	-0.12	13.90
1,554.00	0.70	192.31	1,553.78	-23.87	-6.81	24.01	0.44	-0.18	-29.74
1,648.00	0.63	203.70	1,647.77	-24.91	-7.14	25.05	0.16	-0.07	12.12
1,742.00	1.12	196.26	1,741.76	-26.26	-7.61	26.41	0.53	0.52	-7.91
1,836.00	1.52	175.16	1,835.73	-28.38	-7.76	28.54	0.66	0.43	-22.45
1,930.00	1.61	181.32	1,929.70	-30.95	-7.69	31.10	0.20	0.10	6.55
2,024.00	1.39	174.46	2,023.67	-33.40	-7.61	33.55	0.30	-0.23	-7.30
2,119.00	1.32	180.29	2,118.64	-35.64	-7.50	35.79	0.16	-0.07	6.14
2,213.00	1.33	191.79	2,212.61	-37.79	-7.73	37.95	0.28	0.01	12.23
2,307.00	1.35	176.61	2,306.59	-39.97	-7.89	40.12	0.38	0.02	-16.15
2,401.00	1.15	175.53	2,400.57	-42.01	-7.75	42.17	0.21	-0.21	-1.15
2,495.00	1.58	149.93	2,494.54	-44.07	-7.02	44.21	0.78	0.46	-27.23
2,589.00	1.64	152.72	2,588.50	-46.39	-5.76	46.50	0.10	0.06	2.97
2,684.00	1.70	134.90	2,683.46	-48.59	-4.14	48.67	0.55	0.06	-18.76
2,778.00	2.27	138.99	2,777.41	-50.98	-1.93	51.01	0.62	0.61	4.35
2,872.00	2.97	154.38	2,871.31	-54.58	0.35	54.56	1.05	0.74	16.37
2,966.00	3.17	168.45	2,965.18	-59.33	1.92	59.27	0.83	0.21	14.97
3,060.00	3.42	176.28	3,059.02	-64.67	2.62	64.60	0.55	0.27	8.33
3,091.00	3.57	179.31	3,089.96	-66.56	2.69	66.49	0.77	0.48	9.77
3,186.00	3.33	178.01	3,184.79	-72.27	2.83	72.20	0.27	-0.25	-1.37
3,249.00	3.10	178.90	3,247.69	-75.81	2.92	75.73	0.37	-0.37	1.41
3,344.00	4.80	224.98	3,342.48	-81.19	0.16	81.17	3.65	1.79	48.51
3,438.00	5.63	232.40	3,436.10	-86.78	-6.27	86.90	1.14	0.88	7.89
3,532.00	5.69	234.07	3,529.64	-92.33	-13.70	92.60	0.19	0.06	1.78
3,626.00	5.72	230.45	3,623.17	-98.05	-21.08	98.47	0.38	0.03	-3.85
3,721.00	5.75	223.49	3,717.70	-104.51	-28.01	105.08	0.73	0.03	-7.33
3,815.00	4.51	215.55	3,811.32	-110.94	-33.40	111.62	1.52	-1.32	-8.45
3,908.00	2.56	202.83	3,904.14	-115.83	-36.33	116.57	2.25	-2.10	-13.68
4,002.00	1.12	160.27	3,998.09	-118.63	-36.84	119.38	2.01	-1.53	-45.28
4,096.00	0.97	156.81	4,092.08	-120.22	-36.21	120.96	0.17	-0.16	-3.68
4,190.00	0.84	168.63	4,186.07	-121.63	-35.76	122.36	0.24	-0.14	12.57
4,284.00	0.93	165.73	4,280.05	-123.04	-35.44	123.77	0.11	0.10	-3.09
4,378.00	0.78	165.73	4,374.04	-124.40	-35.09	125.12	0.16	-0.16	0.00
4,473.00	0.81	174.01	4,469.04	-125.70	-34.86	126.41	0.12	0.03	8.72
4,566.00	0.90	171.79	4,562.02	-127.08	-34.69	127.78	0.10	0.10	-2.39



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 163H
Project:	Eddy Co., NM	TVD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Site:	Remuda South 25 State	MD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Well:	163H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,661.00	0.79	170.33	4,657.01	-128.46	-34.47	129.16	0.12	-0.12	-1.54
4,756.00	0.90	176.92	4,752.00	-129.85	-34.32	130.55	0.15	0.12	6.94
4,849.00	0.82	171.41	4,844.99	-131.24	-34.19	131.93	0.12	-0.09	-5.92
4,943.00	0.22	183.01	4,938.99	-132.08	-34.09	132.77	0.64	-0.64	12.34
5,037.00	0.67	352.08	5,032.99	-131.72	-34.18	132.41	0.94	0.48	179.86
5,131.00	0.60	350.17	5,126.98	-130.69	-34.34	131.39	0.08	-0.07	-2.03
5,225.00	0.52	8.25	5,220.98	-129.78	-34.36	130.48	0.21	-0.09	19.23
5,320.00	0.47	350.95	5,315.97	-128.97	-34.36	129.67	0.17	-0.05	-18.21
5,414.00	0.56	348.28	5,409.97	-128.14	-34.52	128.84	0.10	0.10	-2.84
5,509.00	0.59	318.38	5,504.97	-127.32	-34.94	128.03	0.31	0.03	-31.47
5,603.00	0.80	296.80	5,598.96	-126.66	-35.84	127.39	0.35	0.22	-22.96
5,698.00	0.83	292.21	5,693.95	-126.10	-37.07	126.86	0.08	0.03	-4.83
5,792.00	1.02	288.11	5,787.94	-125.59	-38.50	126.37	0.21	0.20	-4.36
5,887.00	0.98	283.23	5,882.92	-125.14	-40.09	125.96	0.10	-0.04	-5.14
5,981.00	0.94	271.90	5,976.91	-124.93	-41.64	125.78	0.21	-0.04	-12.05
6,075.00	0.39	349.51	6,070.90	-124.59	-42.47	125.46	1.00	-0.59	82.56
6,169.00	0.85	49.70	6,164.90	-123.82	-42.00	124.68	0.79	0.49	64.03
6,264.00	0.86	43.61	6,259.89	-122.85	-40.97	123.69	0.10	0.01	-6.41
6,359.00	0.85	44.51	6,354.88	-121.83	-39.99	122.65	0.02	-0.01	0.95
6,453.00	0.80	50.97	6,448.87	-120.92	-38.99	121.72	0.11	-0.05	6.87
6,547.00	0.65	52.90	6,542.86	-120.19	-38.05	120.96	0.16	-0.16	2.05
6,642.00	0.63	52.56	6,637.85	-119.54	-37.21	120.30	0.02	-0.02	-0.36
6,737.00	0.63	53.20	6,732.85	-118.91	-36.37	119.65	0.01	0.00	0.67
6,832.00	0.61	59.52	6,827.84	-118.34	-35.52	119.07	0.07	-0.02	6.65
6,927.00	0.50	75.72	6,922.84	-117.98	-34.68	118.69	0.20	-0.12	17.05
7,021.00	0.30	52.02	7,016.84	-117.73	-34.09	118.43	0.27	-0.21	-25.21
7,116.00	0.20	37.73	7,111.84	-117.45	-33.79	118.14	0.12	-0.11	-15.04
7,210.00	0.17	289.31	7,205.84	-117.27	-33.82	117.96	0.32	-0.03	-115.34
7,303.00	0.69	272.32	7,298.83	-117.20	-34.51	117.91	0.57	0.56	-18.27
7,397.00	1.13	260.76	7,392.82	-117.33	-36.00	118.06	0.50	0.47	-12.30
7,492.00	0.95	250.77	7,487.81	-117.74	-37.66	118.51	0.27	-0.19	-10.52
7,586.00	0.81	225.82	7,581.79	-118.46	-38.88	119.25	0.43	-0.15	-26.54
7,680.00	0.90	211.03	7,675.78	-119.55	-39.73	120.37	0.25	0.10	-15.73
7,775.00	1.15	225.33	7,770.77	-120.86	-40.80	121.70	0.37	0.26	15.05
7,869.00	1.63	229.95	7,864.74	-122.39	-42.49	123.26	0.52	0.51	4.91
7,963.00	0.96	196.65	7,958.72	-124.00	-43.74	124.90	1.04	-0.71	-35.43
8,057.00	1.08	130.38	8,052.71	-125.33	-43.29	126.22	1.19	0.13	-70.50
8,152.00	1.46	130.58	8,147.68	-126.70	-41.69	127.55	0.40	0.40	0.21
8,246.00	1.81	135.61	8,241.64	-128.54	-39.74	129.35	0.40	0.37	5.35
8,341.00	1.71	126.31	8,336.60	-130.45	-37.55	131.21	0.32	-0.11	-9.79
8,436.00	0.95	121.30	8,431.57	-131.70	-35.73	132.42	0.81	-0.80	-5.27
8,531.00	0.31	191.76	8,526.57	-132.36	-35.11	133.07	0.94	-0.67	74.17



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 163H
Project:	Eddy Co., NM	TVD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Site:	Remuda South 25 State	MD Reference:	RT=23(Nabors M75707 @ 3098.00ft (Nabors M7507)
Well:	163H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,625.00	0.67	263.82	8,620.56	-132.67	-35.71	133.39	0.69	0.38	76.66
8,719.00	1.12	274.72	8,714.55	-132.65	-37.17	133.41	0.51	0.48	11.60
8,814.00	1.45	276.34	8,809.53	-132.44	-39.29	133.24	0.35	0.35	1.71
8,908.00	1.55	266.63	8,903.50	-132.38	-41.74	133.24	0.29	0.11	-10.33
9,002.00	0.66	277.82	8,997.48	-132.39	-43.55	133.28	0.97	-0.95	11.90
9,096.00	0.58	315.28	9,091.47	-131.97	-44.42	132.88	0.43	-0.09	39.85
9,191.00	2.01	11.26	9,186.45	-130.00	-44.43	130.91	1.84	1.51	58.93
9,285.00	1.63	10.16	9,280.40	-127.07	-43.88	127.96	0.41	-0.40	-1.17
9,380.00	1.53	2.15	9,375.37	-124.47	-43.59	125.36	0.25	-0.11	-8.43
9,474.00	1.74	3.79	9,469.33	-121.79	-43.45	122.68	0.23	0.22	1.74
9,568.00	1.49	15.37	9,563.29	-119.19	-43.03	120.07	0.44	-0.27	12.32
9,661.00	0.30	267.29	9,656.28	-118.03	-42.95	118.91	1.73	-1.28	-116.22
9,756.00	1.25	212.01	9,751.27	-118.92	-43.75	119.82	1.17	1.00	-58.19
9,850.00	0.46	223.05	9,845.26	-120.07	-44.55	120.98	0.85	-0.84	11.74
9,945.00	0.30	81.43	9,940.26	-120.31	-44.57	121.23	0.76	-0.17	-149.07
10,038.00	0.43	118.04	10,033.26	-120.44	-44.02	121.34	0.28	0.14	39.37
10,132.00	0.53	109.22	10,127.25	-120.75	-43.30	121.63	0.13	0.11	-9.38
10,227.00	0.51	145.89	10,222.25	-121.24	-42.64	122.12	0.34	-0.02	38.60
10,322.00	0.55	146.39	10,317.25	-121.97	-42.15	122.83	0.04	0.04	0.53
10,416.00	0.64	165.30	10,411.24	-122.86	-41.77	123.71	0.23	0.10	20.12
10,511.00	0.08	304.24	10,506.24	-123.33	-41.69	124.18	0.74	-0.59	146.25
10,519.00	0.07	146.74	10,514.24	-123.33	-41.69	124.19	1.84	-0.13	-1,968.75
10,590.00	0.07	146.74	10,585.24	-123.40	-41.65	124.26	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-46433		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name REMUDA SOUTH 25 STATE		
								6. Well Number: 163H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO PERMIAN OPERATING LLC.						9. OGRID 5380				
10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707						11. Pool name or Wildcat PURPLE SAGE;WOLF CAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	F	25	23S	29E		2355	North	1950	West	Eddy
BH:	N	36	23S	29E		228	South	1752	West	Eddy
13. Date Spudded 8/8/2020	14. Date T.D. Reached 11/10/2020		15. Date Rig Released 11/11/2020		16. Date Completed (Ready to Produce) 7/27/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3074' GL		
18. Total Measured Depth of Well 19,015			19. Plug Back Measured Depth 18,998		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,594 - 18,895 PURPLE SAGE;WOLF CAMP (GAS)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
16.0"		75.0		312'		20"		660		
11 3/4"		54.0		3,157'		14 3/4"		3050		
8 5/8"		32.0		10,557'		10 5/8"		1670		
5 1/2"		20.0		19000		7 7/8"		1935		
24. LINER RECORD										25. TUBING RECORD
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					2 7/8"	10,264	10,249			
26. Perforation record (interval, size, and number) 11,594 - 18,895 2spf, 1176 Total Shots 49 stages					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11,594 - 18,895		375,856 bbl fluid + 18,416,051 lbs proppant			
28. PRODUCTION										
Date First Production 7/28/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/30/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1332	Gas - MCF 10701	Water - Bbl. 4083	Gas - Oil Ratio 8034			
Flow Tubing Press. 0	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 1332	Gas - MCF 10701	Water - Bbl. 4083	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments C-104 NW, C-102 & Supplement , Directional Survey (Log uploaded to NMOCD)										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 			Printed Name Cassie Evans		Title Regulatory Analyst		Date 08/26/21			
E-mail Address cassie.evans@exxonmobil.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 420'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3065'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 3273'	T. Morrison	
T. Drinkard	T. Bone Springs 6970'	T. Todilto	
T. Abo	T. Rustler 71'	T. Entrada	
T. Wolfcamp 10,289'	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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

ACKNOWLEDGMENTS

Action 44760

ACKNOWLEDGMENTS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 44760
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
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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 44760

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 44760
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	10/5/2021