

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 Resources

Form C-104

Revised August 1, 2011

Oil 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 - 015-46434	⁵ Pool Name FORTY NINER RIDGE; BONE SPRING	
	⁶ Pool Code 96526	
⁷ Property Code 317788	⁸ Property Name REMUDA SOUTH 25 STATE	⁹ Well Number 501H

II. 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
E	25	23S	29E		2354	North	660	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
M	36	23S	29E		298	South	395	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 Marketing, Lp	Oil
373075	XTO Permian Midstream	Gas
005380	XTO Energy, Inc	Water

IV. Well Completion Data

²¹ Spud Date 8/7/2020	²² Ready Date 6/11/21	²³ TD 15655 MD 8112 TVD	²⁴ PBD 15643 MD 8112 TVD	²⁵ Perforations 8,403 - 15,520	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20	16	311	800		
14.75	11.75	3157	3360		
10.625	8.625	7561	1060		
7.875	5.5/2-7/8	15645/7657	1712		

V. Well Test Data

³¹ Date New Oil 6/12/21	³² Gas Delivery Date 7/01/21	³³ Test Date 7/01/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 354	³⁶ Csg. Pressure 296
³⁷ Choke Size	³⁸ Oil 704	³⁹ Water 4896	⁴⁰ Gas 1176		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: <u>Cassie Evans</u>			OIL CONSERVATION DIVISION Approved by: <u>PATRICIA MARTINEZ</u>		
Printed name: Cassie Evans			Title: <u>PETROLEUM SPECIALIST</u>		
Title: Regulatory Analyst			Approval Date: <u>1/14/2022</u>		
E-mail Address: cassie.evans@exxonmobil.com					
Date: 12/03/2021	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 30-015-46434	² Pool Code 96526	³ Pool Name FORTY NINER RIDGE BONE SPRING, WEST
⁴ Property Code 317788	⁵ Property Name REMUDA SOUTH 25 STATE	⁶ Well Number 501H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,065'

¹⁰ Surface Location

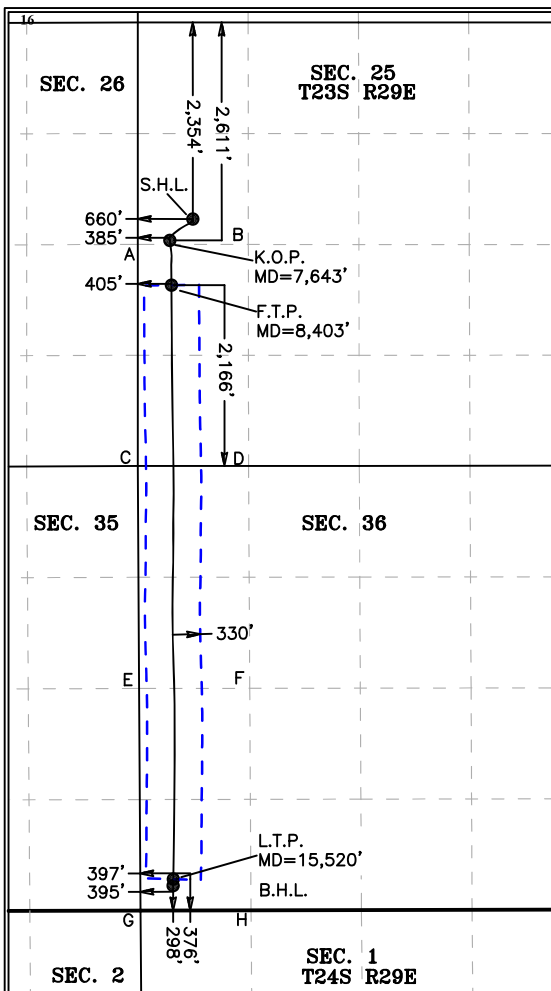
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	23 S	29 E		2,354	NORTH	660	WEST	EDDY

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
M	36	23 S	29 E		298	SOUTH	395	WEST	EDDY

¹² Dedicated Acres 240	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 = 464,624.3 X = 661,477.0 LAT. = 32.276728 °N LONG. = 103.944601 °W	LTP (NAD83 NME) Y = 456,718.0 X = 661,243.1 LAT. = 32.254998 °N LONG. = 103.945450 °W
KOP (NAD83 NME) Y = 464,367.8 X = 661,201.7 LAT. = 32.276026 °N LONG. = 103.945495 °W	BHL (NAD83 NME) Y = 456,640.1 X = 661,241.0 LAT. = 32.254783 °N LONG. = 103.945458 °W
FTP (NAD83 NME) Y = 463,832.2 X = 661,221.4 LAT. = 32.274554 °N LONG. = 103.945437 °W	
CORNER COORDINATES (NAD83 NME)	
A - Y = 464,320.4 N ,	X = 660,816.8 E
B - Y = 464,319.7 N ,	X = 662,143.0 E
C - Y = 461,665.9 N ,	X = 660,817.1 E
D - Y = 461,666.6 N ,	X = 662,145.6 E
E - Y = 459,002.1 N ,	X = 660,832.0 E
F - Y = 459,004.0 N ,	X = 662,159.8 E
G - Y = 456,341.5 N ,	X = 660,848.3 E
H - Y = 456,344.3 N ,	X = 662,174.7 E
SHL (NAD27 NME) Y = 464,564.4 X = 620,294.2 LAT. = 32.276605 °N LONG. = 103.944109 °W	LTP (NAD27 NME) Y = 456,658.3 X = 620,060.0 LAT. = 32.254874 °N LONG. = 103.944959 °W
KOP (NAD27 NME) Y = 464,307.9 X = 620,018.9 LAT. = 32.275902 °N LONG. = 103.945003 °W	BHL (NAD27 NME) Y = 456,580.4 X = 620,058.0 LAT. = 32.254660 °N LONG. = 103.944967 °W
FTP (NAD27 NME) Y = 463,772.4 X = 620,038.6 LAT. = 32.274430 °N LONG. = 103.944945 °W	
CORNER COORDINATES (NAD27 NME)	
A - Y = 464,260.5 N ,	X = 619,634.0 E
B - Y = 464,259.9 N ,	X = 620,960.2 E
C - Y = 461,606.0 N ,	X = 619,634.3 E
D - Y = 461,606.7 N ,	X = 620,962.7 E
E - Y = 458,942.4 N ,	X = 619,649.0 E
F - Y = 458,944.3 N ,	X = 620,976.8 E
G - Y = 456,281.8 N ,	X = 619,665.2 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.

Cassie Evans

08/26/2021

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:



MARK DILLON HARP 23786

Certificate Number

JC

2019103423

Intent ☐ As Drilled ☒

API # 30-015-46434		
Operator Name: XTO ENERGY, INC.	Property Name: REMUDA SOUTH 25 STATE	Well Number 501H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
E	25	23S	29E		2,611	FNL	385	FWL	EDDY
Latitude 32.276026					Longitude 103.945495				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	25	23S	29E		2,166	FSL	405	FWL	EDDY
Latitude 32.274554					Longitude 103.945437				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23S	29E		376	FSL	397	FWL	EDDY
Latitude 32.254998					Longitude 103.945450				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

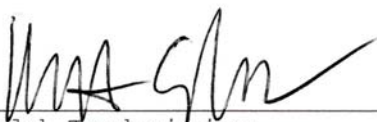
KZ 06/29/2018



325 South Faudree Rd
Odessa, TX 79765
Phone: 432.689.5600
www.scientificdrilling.com

State of New Mexico
County of Eddy

I, Kent Elger, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 08/07/2020 through 10/12/2020 conduct or supervise the taking of a MWD survey from a depth of 175 feet to a depth of 15598 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy, LLC. for the Remuda South 25 State 501H Well, API# 30-015-46434 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.

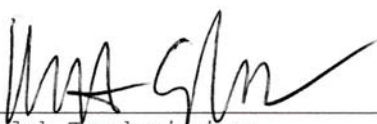

Field Technician



325 South Faudree Rd
Odessa, TX 79765
Phone: 432.689.5600
www.scientificdrilling.com

State of New Mexico
County of Eddy

I, Kent Elger, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 08/07/2020 through 10/12/2020 conduct or supervise the taking of a MWD survey from a depth of 175 feet to a depth of 15598 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy, LLC. for the Remuda South 25 State 501H Well, API# 30-015-46434 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.


Field Technician



XTO Permian Operating, LLC

Eddy Co., NM

Remuda South 25 State

501H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

12 October, 2020





Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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
From:	Map	Easting:	621,554.200 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 35.730724 N
		Longitude:	103° 56' 24.116704 W
		Grid Convergence:	0.21 °

Well	501H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	2.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 16' 35.776195 N
		Longitude:	103° 56' 38.793099 W
		Ground Level:	3,065.00 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM_FILE	8/6/2020	6.83
			Dip Angle (°)
			59.97
			Field Strength (nT)
			47,817.90000000

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction (°)
			179.42

Survey Program	Date	10/12/2020		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
175.00	7,486.00	Survey #1 (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
7,586.00	15,655.00	Survey #2 C/L Surveys (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
175.00	0.94	209.90	174.99	-1.24	-0.72	1.24	0.54	0.54	0.00
236.00	1.22	205.17	235.98	-2.27	-1.24	2.25	0.48	0.46	-7.75
268.00	0.71	182.92	267.98	-2.77	-1.40	2.76	1.95	-1.59	-69.53
327.00	0.42	214.22	326.97	-3.32	-1.54	3.30	0.70	-0.49	53.05
418.00	0.54	194.00	417.97	-4.01	-1.83	3.99	0.23	0.13	-22.22
512.00	0.57	200.82	511.97	-4.87	-2.10	4.85	0.08	0.03	7.26
603.00	0.59	202.76	602.96	-5.73	-2.44	5.70	0.03	0.02	2.13
695.00	0.67	193.44	694.96	-6.69	-2.75	6.66	0.14	0.09	-10.13
786.00	0.71	195.62	785.95	-7.75	-3.03	7.72	0.05	0.04	2.40



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
878.00	0.85	200.29	877.94	-8.94	-3.42	8.90	0.17	0.15	5.08
972.00	0.91	192.24	971.93	-10.32	-3.82	10.28	0.15	0.06	-8.56
1,064.00	1.01	195.29	1,063.92	-11.82	-4.19	11.78	0.12	0.11	3.32
1,158.00	1.13	190.19	1,157.90	-13.53	-4.57	13.48	0.16	0.13	-5.43
1,252.00	1.28	193.53	1,251.88	-15.46	-4.98	15.41	0.18	0.16	3.55
1,346.00	1.45	192.04	1,345.85	-17.65	-5.47	17.59	0.18	0.18	-1.59
1,440.00	1.58	187.77	1,439.82	-20.09	-5.89	20.03	0.18	0.14	-4.54
1,535.00	0.96	185.88	1,534.80	-22.18	-6.15	22.12	0.65	-0.65	-1.99
1,629.00	0.15	186.26	1,628.79	-23.09	-6.25	23.03	0.86	-0.86	0.40
1,722.00	0.34	195.56	1,721.79	-23.48	-6.33	23.41	0.21	0.20	10.00
1,815.00	0.34	2.36	1,814.79	-23.47	-6.40	23.40	0.73	0.00	179.35
1,910.00	1.21	0.11	1,909.78	-22.18	-6.38	22.12	0.92	0.92	-2.37
2,003.00	1.15	359.41	2,002.76	-20.27	-6.39	20.20	0.07	-0.06	-0.75
2,098.00	1.15	1.27	2,097.74	-18.36	-6.38	18.29	0.04	0.00	1.96
2,191.00	1.14	3.52	2,190.72	-16.50	-6.30	16.44	0.05	-0.01	2.42
2,284.00	1.07	4.16	2,283.71	-14.71	-6.18	14.65	0.08	-0.08	0.69
2,379.00	0.58	10.59	2,378.70	-13.36	-6.03	13.30	0.52	-0.52	6.77
2,473.00	0.38	103.96	2,472.69	-12.96	-5.64	12.91	0.76	-0.21	99.33
2,568.00	0.55	129.46	2,567.69	-13.33	-4.98	13.28	0.28	0.18	26.84
2,662.00	0.92	131.71	2,661.68	-14.12	-4.07	14.08	0.39	0.39	2.39
2,757.00	1.13	139.90	2,756.67	-15.34	-2.90	15.31	0.27	0.22	8.62
2,851.00	1.38	137.65	2,850.64	-16.89	-1.54	16.87	0.27	0.27	-2.39
2,945.00	1.58	149.29	2,944.61	-18.84	-0.11	18.84	0.38	0.21	12.38
3,039.00	1.61	164.21	3,038.58	-21.22	0.91	21.23	0.44	0.03	15.87
3,083.00	1.40	163.85	3,082.56	-22.34	1.22	22.35	0.48	-0.48	-0.82
3,192.00	1.39	159.12	3,191.53	-24.85	2.07	24.87	0.11	-0.01	-4.34
3,215.00	1.40	158.05	3,214.52	-25.37	2.27	25.39	0.12	0.04	-4.65
3,309.00	2.38	217.72	3,308.48	-27.98	1.51	27.99	2.20	1.04	63.48
3,403.00	3.91	230.82	3,402.34	-31.55	-2.17	31.53	1.79	1.63	13.94
3,496.00	5.87	234.07	3,494.99	-36.34	-8.48	36.26	2.13	2.11	3.49
3,591.00	7.86	239.33	3,589.31	-42.51	-18.00	42.32	2.19	2.09	5.54
3,685.00	9.79	242.17	3,682.19	-49.52	-30.60	49.21	2.10	2.05	3.02
3,777.00	11.01	244.52	3,772.68	-56.95	-45.45	56.49	1.40	1.33	2.55
3,872.00	11.08	243.97	3,865.92	-64.86	-61.84	64.23	0.13	0.07	-0.58
3,965.00	11.45	243.94	3,957.13	-72.83	-78.16	72.04	0.40	0.40	-0.03
4,060.00	11.66	241.55	4,050.20	-81.55	-95.08	80.58	0.55	0.22	-2.52
4,154.00	12.01	238.65	4,142.20	-91.16	-111.78	90.03	0.73	0.37	-3.09
4,248.00	12.62	238.88	4,234.04	-101.56	-128.92	100.25	0.65	0.65	0.24
4,342.00	13.48	237.59	4,325.61	-112.74	-146.96	111.25	0.97	0.91	-1.37
4,436.00	14.20	233.22	4,416.89	-125.51	-165.45	123.83	1.35	0.77	-4.65
4,530.00	14.43	231.91	4,507.97	-139.64	-183.90	137.77	0.42	0.24	-1.39
4,624.00	12.84	230.94	4,599.31	-153.45	-201.23	151.41	1.71	-1.69	-1.03
4,718.00	12.09	230.41	4,691.10	-166.31	-216.93	164.10	0.81	-0.80	-0.56



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)	
4,812.00	11.15	229.66	4,783.17	-178.46	-231.44	176.11	1.01	-1.00	-0.80	
4,906.00	9.80	229.11	4,875.60	-189.58	-244.42	187.10	1.44	-1.44	-0.59	
5,000.00	8.67	229.94	4,968.38	-199.38	-255.89	196.78	1.21	-1.20	0.88	
5,095.00	7.74	230.37	5,062.41	-208.07	-266.29	205.36	0.98	-0.98	0.45	
5,189.00	6.31	230.22	5,155.70	-215.41	-275.14	212.62	1.52	-1.52	-0.16	
5,284.00	4.75	230.50	5,250.26	-221.26	-282.19	218.39	1.64	-1.64	0.29	
5,376.00	3.20	228.06	5,342.03	-225.39	-287.04	222.48	1.69	-1.68	-2.65	
5,470.00	2.51	228.35	5,435.91	-228.52	-290.53	225.56	0.73	-0.73	0.31	
5,564.00	2.14	218.93	5,529.84	-231.25	-293.17	228.27	0.56	-0.39	-10.02	
5,656.00	1.34	173.00	5,621.80	-233.65	-294.12	230.66	1.68	-0.87	-49.92	
5,749.00	1.36	183.83	5,714.77	-235.83	-294.06	232.85	0.27	0.02	11.65	
5,843.00	0.48	210.56	5,808.76	-237.29	-294.33	234.29	1.02	-0.94	28.44	
5,938.00	1.13	174.26	5,903.75	-238.56	-294.44	235.57	0.84	0.68	-38.21	
6,031.00	1.16	129.81	5,996.73	-240.08	-293.63	237.09	0.93	0.03	-47.80	
6,126.00	1.14	130.27	6,091.71	-241.30	-292.17	238.33	0.02	-0.02	0.48	
6,220.00	1.19	129.73	6,185.70	-242.53	-290.70	239.58	0.05	0.05	-0.57	
6,314.00	1.28	130.65	6,279.67	-243.84	-289.15	240.90	0.10	0.10	0.98	
6,408.00	0.96	103.43	6,373.66	-244.71	-287.59	241.78	0.65	-0.34	-28.96	
6,502.00	0.96	73.98	6,467.64	-244.67	-286.07	241.76	0.52	0.00	-31.33	
6,596.00	1.18	84.80	6,561.63	-244.37	-284.35	241.48	0.32	0.23	11.51	
6,690.00	1.05	82.90	6,655.61	-244.17	-282.53	241.30	0.14	-0.14	-2.02	
6,784.00	1.13	89.77	6,749.59	-244.06	-280.75	241.21	0.16	0.09	7.31	
6,878.00	0.98	103.87	6,843.58	-244.25	-279.04	241.41	0.32	-0.16	15.00	
6,971.00	1.02	89.61	6,936.56	-244.44	-277.44	241.61	0.27	0.04	-15.33	
7,064.00	1.09	101.20	7,029.55	-244.60	-275.75	241.80	0.24	0.08	12.46	
7,157.00	0.71	98.24	7,122.54	-244.86	-274.31	242.07	0.41	-0.41	-3.18	
7,252.00	0.11	79.01	7,217.53	-244.92	-273.63	242.14	0.64	-0.63	-20.24	
7,346.00	0.47	265.64	7,311.53	-244.94	-273.93	242.15	0.62	0.38	-184.44	
7,440.00	1.28	212.27	7,405.52	-245.85	-274.88	243.06	1.14	0.86	-56.78	
7,486.00	1.73	205.61	7,451.50	-246.91	-275.45	244.11	1.05	0.98	-14.48	
7,586.00	2.25	179.04	7,551.45	-250.24	-276.07	247.43	1.05	0.52	-26.57	
7,680.00	10.36	170.64	7,644.80	-260.44	-274.66	257.65	8.66	8.63	-8.94	
7,727.00	16.53	175.06	7,690.49	-271.28	-273.40	268.50	13.30	13.13	9.40	
7,774.00	21.32	177.00	7,734.94	-286.48	-272.37	283.71	10.28	10.19	4.13	
7,821.00	27.38	172.68	7,777.74	-305.75	-270.55	303.00	13.43	12.89	-9.19	
7,868.00	33.47	171.15	7,818.25	-329.30	-267.17	326.58	13.06	12.96	-3.26	
7,915.00	39.68	171.23	7,855.98	-356.96	-262.89	354.29	13.21	13.21	0.17	
7,962.00	46.18	172.63	7,890.37	-388.64	-258.42	386.01	13.98	13.83	2.98	
8,009.00	51.83	176.86	7,921.20	-423.95	-255.23	421.34	13.80	12.02	9.00	
8,056.00	57.85	182.08	7,948.26	-462.33	-254.94	459.72	15.69	12.81	11.11	
8,103.00	64.11	182.18	7,971.05	-503.38	-256.47	500.76	13.32	13.32	0.21	
8,150.00	67.49	181.02	7,990.32	-546.23	-257.66	543.59	7.54	7.19	-2.47	
8,243.00	74.89	179.30	8,020.28	-634.19	-257.88	631.55	8.15	7.96	-1.85	



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
8,337.00	82.97	178.87	8,038.32	-726.36	-256.40	723.72	8.61	8.60	-0.46
8,433.00	86.13	179.65	8,047.44	-821.90	-255.17	819.28	3.39	3.29	0.81
8,527.00	86.13	179.56	8,053.78	-915.68	-254.52	913.06	0.10	0.00	-0.10
8,620.00	87.98	180.20	8,058.56	-1,008.56	-254.33	1,005.93	2.10	1.99	0.69
8,715.00	87.13	179.69	8,062.61	-1,103.47	-254.23	1,100.84	1.04	-0.89	-0.54
8,808.00	86.56	178.78	8,067.73	-1,196.32	-252.99	1,193.70	1.15	-0.61	-0.98
8,902.00	87.68	180.05	8,072.45	-1,290.19	-252.04	1,287.57	1.80	1.19	1.35
8,997.00	89.80	179.45	8,074.54	-1,385.16	-251.62	1,382.54	2.32	2.23	-0.63
9,090.00	89.36	179.68	8,075.22	-1,478.16	-250.92	1,475.54	0.53	-0.47	0.25
9,185.00	88.65	179.86	8,076.87	-1,573.14	-250.54	1,570.52	0.77	-0.75	0.19
9,277.00	89.12	179.01	8,078.66	-1,665.12	-249.63	1,662.51	1.06	0.51	-0.92
9,372.00	90.51	180.15	8,078.97	-1,760.11	-248.93	1,757.50	1.89	1.46	1.20
9,466.00	89.02	180.64	8,079.36	-1,854.10	-249.58	1,851.48	1.67	-1.59	0.52
9,560.00	89.53	179.22	8,080.54	-1,948.09	-249.46	1,945.47	1.60	0.54	-1.51
9,654.00	89.87	178.79	8,081.04	-2,042.08	-247.83	2,039.46	0.58	0.36	-0.46
9,747.00	91.01	180.04	8,080.32	-2,135.07	-246.88	2,132.46	1.82	1.23	1.34
9,842.00	91.31	178.93	8,078.40	-2,230.04	-246.03	2,227.44	1.21	0.32	-1.17
9,936.00	91.22	179.50	8,076.32	-2,324.01	-244.74	2,321.41	0.61	-0.10	0.61
10,031.00	90.68	178.56	8,074.75	-2,418.98	-243.13	2,416.40	1.14	-0.57	-0.99
10,126.00	89.93	178.66	8,074.24	-2,513.95	-240.83	2,511.39	0.80	-0.79	0.11
10,220.00	89.80	177.76	8,074.46	-2,607.91	-237.89	2,605.36	0.97	-0.14	-0.96
10,314.00	89.60	178.69	8,074.96	-2,701.86	-234.98	2,699.34	1.01	-0.21	0.99
10,408.00	89.83	179.60	8,075.42	-2,795.84	-233.58	2,793.34	1.00	0.24	0.97
10,503.00	89.33	179.16	8,076.12	-2,890.84	-232.55	2,888.33	0.70	-0.53	-0.46
10,597.00	88.72	179.14	8,077.72	-2,984.81	-231.16	2,982.32	0.65	-0.65	-0.02
10,691.00	87.99	178.52	8,080.42	-3,078.75	-229.24	3,076.27	1.02	-0.78	-0.66
10,785.00	88.69	179.82	8,083.14	-3,172.70	-227.88	3,170.23	1.57	0.74	1.38
10,879.00	88.29	180.42	8,085.62	-3,266.67	-228.07	3,264.19	0.77	-0.43	0.64
10,973.00	89.50	181.41	8,087.43	-3,360.63	-229.58	3,358.14	1.66	1.29	1.05
11,068.00	89.60	180.98	8,088.18	-3,455.61	-231.56	3,453.09	0.46	0.11	-0.45
11,162.00	91.88	180.96	8,086.96	-3,549.58	-233.15	3,547.04	2.43	2.43	-0.02
11,255.00	92.01	180.90	8,083.81	-3,642.52	-234.66	3,639.96	0.15	0.14	-0.06
11,348.00	92.02	180.74	8,080.54	-3,735.45	-235.99	3,732.87	0.17	0.01	-0.17
11,443.00	91.68	179.32	8,077.47	-3,830.40	-236.04	3,827.81	1.54	-0.36	-1.49
11,538.00	91.10	179.15	8,075.17	-3,925.36	-234.77	3,922.78	0.64	-0.61	-0.18
11,632.00	90.37	180.50	8,073.96	-4,019.35	-234.48	4,016.77	1.63	-0.78	1.44
11,726.00	89.77	180.72	8,073.85	-4,113.34	-235.48	4,110.75	0.68	-0.64	0.23
11,821.00	89.73	180.41	8,074.26	-4,208.34	-236.42	4,205.73	0.33	-0.04	-0.33
11,916.00	90.23	181.38	8,074.29	-4,303.33	-237.90	4,300.70	1.15	0.53	1.02
12,011.00	90.27	181.41	8,073.88	-4,398.30	-240.21	4,395.64	0.05	0.04	0.03
12,106.00	91.25	182.44	8,072.62	-4,493.23	-243.41	4,490.54	1.50	1.03	1.08
12,200.00	87.88	180.22	8,073.33	-4,587.19	-245.59	4,584.46	4.29	-3.59	-2.36
12,295.00	86.99	180.08	8,077.58	-4,682.09	-245.84	4,679.36	0.95	-0.94	-0.15
12,390.00	87.29	178.86	8,082.32	-4,776.96	-244.96	4,774.24	1.32	0.32	-1.28



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
12,485.00	88.79	179.35	8,085.57	-4,871.89	-243.48	4,869.18	1.66	1.58	0.52
12,579.00	88.51	178.41	8,087.79	-4,965.85	-241.64	4,963.15	1.04	-0.30	-1.00
12,672.00	89.56	178.72	8,089.35	-5,058.81	-239.31	5,056.12	1.18	1.13	0.33
12,766.00	90.74	178.55	8,089.11	-5,152.78	-237.07	5,150.11	1.27	1.26	-0.18
12,861.00	90.03	178.27	8,088.47	-5,247.74	-234.43	5,245.10	0.80	-0.75	-0.29
12,953.00	90.17	178.23	8,088.31	-5,339.69	-231.63	5,337.08	0.16	0.15	-0.04
13,048.00	89.43	177.93	8,088.64	-5,434.64	-228.44	5,432.05	0.84	-0.78	-0.32
13,141.00	88.49	177.53	8,090.33	-5,527.55	-224.76	5,524.99	1.10	-1.01	-0.43
13,235.00	91.18	178.68	8,090.60	-5,621.49	-221.65	5,618.96	3.11	2.86	1.22
13,330.00	90.77	179.18	8,088.98	-5,716.46	-219.88	5,713.94	0.68	-0.43	0.53
13,425.00	89.77	179.28	8,088.53	-5,811.45	-218.60	5,808.94	1.06	-1.05	0.11
13,520.00	89.90	179.72	8,088.81	-5,906.44	-217.77	5,903.93	0.48	0.14	0.46
13,614.00	89.87	180.24	8,089.00	-6,000.44	-217.74	5,997.93	0.55	-0.03	0.55
13,709.00	89.70	179.88	8,089.35	-6,095.44	-217.84	6,092.92	0.42	-0.18	-0.38
13,803.00	90.37	179.90	8,089.30	-6,189.44	-217.66	6,186.92	0.71	0.71	0.02
13,897.00	90.44	180.33	8,088.63	-6,283.44	-217.85	6,280.91	0.46	0.07	0.46
13,990.00	89.16	179.90	8,088.96	-6,376.43	-218.03	6,373.90	1.45	-1.38	-0.46
14,084.00	89.70	179.90	8,089.89	-6,470.43	-217.87	6,467.89	0.57	0.57	0.00
14,177.00	90.24	180.41	8,089.94	-6,563.43	-218.12	6,560.88	0.80	0.58	0.55
14,271.00	90.57	181.14	8,089.28	-6,657.42	-219.39	6,654.85	0.85	0.35	0.78
14,365.00	89.46	180.97	8,089.25	-6,751.40	-221.12	6,748.81	1.19	-1.18	-0.18
14,460.00	87.10	181.19	8,092.10	-6,846.33	-222.91	6,843.73	2.49	-2.48	0.23
14,554.00	88.42	180.13	8,095.78	-6,940.25	-223.99	6,937.63	1.80	1.40	-1.13
14,648.00	89.93	180.29	8,097.13	-7,034.24	-224.34	7,031.61	1.62	1.61	0.17
14,742.00	89.53	180.37	8,097.57	-7,128.23	-224.88	7,125.59	0.43	-0.43	0.09
14,837.00	88.86	180.40	8,098.91	-7,223.22	-225.52	7,220.57	0.71	-0.71	0.03
14,930.00	88.59	180.35	8,100.98	-7,316.20	-226.13	7,313.53	0.30	-0.29	-0.05
15,025.00	89.06	179.71	8,102.92	-7,411.18	-226.18	7,408.51	0.84	0.49	-0.67
15,120.00	89.09	180.34	8,104.46	-7,506.16	-226.22	7,503.49	0.66	0.03	0.66
15,214.00	89.36	181.27	8,105.73	-7,600.15	-227.54	7,597.45	1.03	0.29	0.99
15,309.00	90.03	181.37	8,106.24	-7,695.12	-229.73	7,692.40	0.71	0.71	0.11
15,403.00	89.20	180.90	8,106.87	-7,789.10	-231.59	7,786.35	1.01	-0.88	-0.50
15,496.00	88.35	181.48	8,108.86	-7,882.05	-233.52	7,879.29	1.11	-0.91	0.62
15,598.00	88.15	181.64	8,111.97	-7,983.97	-236.30	7,981.17	0.25	-0.20	0.16
15,655.00	88.15	181.64	8,113.81	-8,040.92	-237.93	8,038.09	0.00	0.00	0.00

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
15,655.00	8,113.81	-8,040.92	-237.93	PTB @ 15655' MD

**Nabors Drilling Solutions**
Survey Report

Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Checked By: _____ Approved By: _____ Date: _____



XTO Permian Operating, LLC

Eddy Co., NM

Remuda South 25 State

501H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

12 October, 2020





Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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
From:	Map	Easting:	621,554.200 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 35.730724 N
		Longitude:	103° 56' 24.116704 W
		Grid Convergence:	0.21 °

Well	501H		
Well Position	+N/-S	0.00 ft	Latitude:
	+E/-W	0.00 ft	Longitude:
Position Uncertainty	2.00 ft	Wellhead Elevation:	3,065.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	8/6/2020	6.83	59.97	47,817.90000000

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	179.42	

Survey Program	Date	10/12/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
175.00	7,486.00	Survey #1 (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
7,586.00	15,655.00	Survey #2 C/L Surveys (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	
175.00	0.94	209.90	174.99	-1.24	-0.72	1.24	0.54	0.54	0.00	
236.00	1.22	205.17	235.98	-2.27	-1.24	2.25	0.48	0.46	-7.75	
268.00	0.71	182.92	267.98	-2.77	-1.40	2.76	1.95	-1.59	-69.53	
327.00	0.42	214.22	326.97	-3.32	-1.54	3.30	0.70	-0.49	53.05	
418.00	0.54	194.00	417.97	-4.01	-1.83	3.99	0.23	0.13	-22.22	
512.00	0.57	200.82	511.97	-4.87	-2.10	4.85	0.08	0.03	7.26	
603.00	0.59	202.76	602.96	-5.73	-2.44	5.70	0.03	0.02	2.13	
695.00	0.67	193.44	694.96	-6.69	-2.75	6.66	0.14	0.09	-10.13	
786.00	0.71	195.62	785.95	-7.75	-3.03	7.72	0.05	0.04	2.40	



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
878.00	0.85	200.29	877.94	-8.94	-3.42	8.90	0.17	0.15	5.08
972.00	0.91	192.24	971.93	-10.32	-3.82	10.28	0.15	0.06	-8.56
1,064.00	1.01	195.29	1,063.92	-11.82	-4.19	11.78	0.12	0.11	3.32
1,158.00	1.13	190.19	1,157.90	-13.53	-4.57	13.48	0.16	0.13	-5.43
1,252.00	1.28	193.53	1,251.88	-15.46	-4.98	15.41	0.18	0.16	3.55
1,346.00	1.45	192.04	1,345.85	-17.65	-5.47	17.59	0.18	0.18	-1.59
1,440.00	1.58	187.77	1,439.82	-20.09	-5.89	20.03	0.18	0.14	-4.54
1,535.00	0.96	185.88	1,534.80	-22.18	-6.15	22.12	0.65	-0.65	-1.99
1,629.00	0.15	186.26	1,628.79	-23.09	-6.25	23.03	0.86	-0.86	0.40
1,722.00	0.34	195.56	1,721.79	-23.48	-6.33	23.41	0.21	0.20	10.00
1,815.00	0.34	2.36	1,814.79	-23.47	-6.40	23.40	0.73	0.00	179.35
1,910.00	1.21	0.11	1,909.78	-22.18	-6.38	22.12	0.92	0.92	-2.37
2,003.00	1.15	359.41	2,002.76	-20.27	-6.39	20.20	0.07	-0.06	-0.75
2,098.00	1.15	1.27	2,097.74	-18.36	-6.38	18.29	0.04	0.00	1.96
2,191.00	1.14	3.52	2,190.72	-16.50	-6.30	16.44	0.05	-0.01	2.42
2,284.00	1.07	4.16	2,283.71	-14.71	-6.18	14.65	0.08	-0.08	0.69
2,379.00	0.58	10.59	2,378.70	-13.36	-6.03	13.30	0.52	-0.52	6.77
2,473.00	0.38	103.96	2,472.69	-12.96	-5.64	12.91	0.76	-0.21	99.33
2,568.00	0.55	129.46	2,567.69	-13.33	-4.98	13.28	0.28	0.18	26.84
2,662.00	0.92	131.71	2,661.68	-14.12	-4.07	14.08	0.39	0.39	2.39
2,757.00	1.13	139.90	2,756.67	-15.34	-2.90	15.31	0.27	0.22	8.62
2,851.00	1.38	137.65	2,850.64	-16.89	-1.54	16.87	0.27	0.27	-2.39
2,945.00	1.58	149.29	2,944.61	-18.84	-0.11	18.84	0.38	0.21	12.38
3,039.00	1.61	164.21	3,038.58	-21.22	0.91	21.23	0.44	0.03	15.87
3,083.00	1.40	163.85	3,082.56	-22.34	1.22	22.35	0.48	-0.48	-0.82
3,192.00	1.39	159.12	3,191.53	-24.85	2.07	24.87	0.11	-0.01	-4.34
3,215.00	1.40	158.05	3,214.52	-25.37	2.27	25.39	0.12	0.04	-4.65
3,309.00	2.38	217.72	3,308.48	-27.98	1.51	27.99	2.20	1.04	63.48
3,403.00	3.91	230.82	3,402.34	-31.55	-2.17	31.53	1.79	1.63	13.94
3,496.00	5.87	234.07	3,494.99	-36.34	-8.48	36.26	2.13	2.11	3.49
3,591.00	7.86	239.33	3,589.31	-42.51	-18.00	42.32	2.19	2.09	5.54
3,685.00	9.79	242.17	3,682.19	-49.52	-30.60	49.21	2.10	2.05	3.02
3,777.00	11.01	244.52	3,772.68	-56.95	-45.45	56.49	1.40	1.33	2.55
3,872.00	11.08	243.97	3,865.92	-64.86	-61.84	64.23	0.13	0.07	-0.58
3,965.00	11.45	243.94	3,957.13	-72.83	-78.16	72.04	0.40	0.40	-0.03
4,060.00	11.66	241.55	4,050.20	-81.55	-95.08	80.58	0.55	0.22	-2.52
4,154.00	12.01	238.65	4,142.20	-91.16	-111.78	90.03	0.73	0.37	-3.09
4,248.00	12.62	238.88	4,234.04	-101.56	-128.92	100.25	0.65	0.65	0.24
4,342.00	13.48	237.59	4,325.61	-112.74	-146.96	111.25	0.97	0.91	-1.37
4,436.00	14.20	233.22	4,416.89	-125.51	-165.45	123.83	1.35	0.77	-4.65
4,530.00	14.43	231.91	4,507.97	-139.64	-183.90	137.77	0.42	0.24	-1.39
4,624.00	12.84	230.94	4,599.31	-153.45	-201.23	151.41	1.71	-1.69	-1.03
4,718.00	12.09	230.41	4,691.10	-166.31	-216.93	164.10	0.81	-0.80	-0.56



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)	
4,812.00	11.15	229.66	4,783.17	-178.46	-231.44	176.11	1.01	-1.00	-0.80	
4,906.00	9.80	229.11	4,875.60	-189.58	-244.42	187.10	1.44	-1.44	-0.59	
5,000.00	8.67	229.94	4,968.38	-199.38	-255.89	196.78	1.21	-1.20	0.88	
5,095.00	7.74	230.37	5,062.41	-208.07	-266.29	205.36	0.98	-0.98	0.45	
5,189.00	6.31	230.22	5,155.70	-215.41	-275.14	212.62	1.52	-1.52	-0.16	
5,284.00	4.75	230.50	5,250.26	-221.26	-282.19	218.39	1.64	-1.64	0.29	
5,376.00	3.20	228.06	5,342.03	-225.39	-287.04	222.48	1.69	-1.68	-2.65	
5,470.00	2.51	228.35	5,435.91	-228.52	-290.53	225.56	0.73	-0.73	0.31	
5,564.00	2.14	218.93	5,529.84	-231.25	-293.17	228.27	0.56	-0.39	-10.02	
5,656.00	1.34	173.00	5,621.80	-233.65	-294.12	230.66	1.68	-0.87	-49.92	
5,749.00	1.36	183.83	5,714.77	-235.83	-294.06	232.85	0.27	0.02	11.65	
5,843.00	0.48	210.56	5,808.76	-237.29	-294.33	234.29	1.02	-0.94	28.44	
5,938.00	1.13	174.26	5,903.75	-238.56	-294.44	235.57	0.84	0.68	-38.21	
6,031.00	1.16	129.81	5,996.73	-240.08	-293.63	237.09	0.93	0.03	-47.80	
6,126.00	1.14	130.27	6,091.71	-241.30	-292.17	238.33	0.02	-0.02	0.48	
6,220.00	1.19	129.73	6,185.70	-242.53	-290.70	239.58	0.05	0.05	-0.57	
6,314.00	1.28	130.65	6,279.67	-243.84	-289.15	240.90	0.10	0.10	0.98	
6,408.00	0.96	103.43	6,373.66	-244.71	-287.59	241.78	0.65	-0.34	-28.96	
6,502.00	0.96	73.98	6,467.64	-244.67	-286.07	241.76	0.52	0.00	-31.33	
6,596.00	1.18	84.80	6,561.63	-244.37	-284.35	241.48	0.32	0.23	11.51	
6,690.00	1.05	82.90	6,655.61	-244.17	-282.53	241.30	0.14	-0.14	-2.02	
6,784.00	1.13	89.77	6,749.59	-244.06	-280.75	241.21	0.16	0.09	7.31	
6,878.00	0.98	103.87	6,843.58	-244.25	-279.04	241.41	0.32	-0.16	15.00	
6,971.00	1.02	89.61	6,936.56	-244.44	-277.44	241.61	0.27	0.04	-15.33	
7,064.00	1.09	101.20	7,029.55	-244.60	-275.75	241.80	0.24	0.08	12.46	
7,157.00	0.71	98.24	7,122.54	-244.86	-274.31	242.07	0.41	-0.41	-3.18	
7,252.00	0.11	79.01	7,217.53	-244.92	-273.63	242.14	0.64	-0.63	-20.24	
7,346.00	0.47	265.64	7,311.53	-244.94	-273.93	242.15	0.62	0.38	-184.44	
7,440.00	1.28	212.27	7,405.52	-245.85	-274.88	243.06	1.14	0.86	-56.78	
7,486.00	1.73	205.61	7,451.50	-246.91	-275.45	244.11	1.05	0.98	-14.48	
7,586.00	2.25	179.04	7,551.45	-250.24	-276.07	247.43	1.05	0.52	-26.57	
7,680.00	10.36	170.64	7,644.80	-260.44	-274.66	257.65	8.66	8.63	-8.94	
7,727.00	16.53	175.06	7,690.49	-271.28	-273.40	268.50	13.30	13.13	9.40	
7,774.00	21.32	177.00	7,734.94	-286.48	-272.37	283.71	10.28	10.19	4.13	
7,821.00	27.38	172.68	7,777.74	-305.75	-270.55	303.00	13.43	12.89	-9.19	
7,868.00	33.47	171.15	7,818.25	-329.30	-267.17	326.58	13.06	12.96	-3.26	
7,915.00	39.68	171.23	7,855.98	-356.96	-262.89	354.29	13.21	13.21	0.17	
7,962.00	46.18	172.63	7,890.37	-388.64	-258.42	386.01	13.98	13.83	2.98	
8,009.00	51.83	176.86	7,921.20	-423.95	-255.23	421.34	13.80	12.02	9.00	
8,056.00	57.85	182.08	7,948.26	-462.33	-254.94	459.72	15.69	12.81	11.11	
8,103.00	64.11	182.18	7,971.05	-503.38	-256.47	500.76	13.32	13.32	0.21	
8,150.00	67.49	181.02	7,990.32	-546.23	-257.66	543.59	7.54	7.19	-2.47	
8,243.00	74.89	179.30	8,020.28	-634.19	-257.88	631.55	8.15	7.96	-1.85	



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
8,337.00	82.97	178.87	8,038.32	-726.36	-256.40	723.72	8.61	8.60	-0.46
8,433.00	86.13	179.65	8,047.44	-821.90	-255.17	819.28	3.39	3.29	0.81
8,527.00	86.13	179.56	8,053.78	-915.68	-254.52	913.06	0.10	0.00	-0.10
8,620.00	87.98	180.20	8,058.56	-1,008.56	-254.33	1,005.93	2.10	1.99	0.69
8,715.00	87.13	179.69	8,062.61	-1,103.47	-254.23	1,100.84	1.04	-0.89	-0.54
8,808.00	86.56	178.78	8,067.73	-1,196.32	-252.99	1,193.70	1.15	-0.61	-0.98
8,902.00	87.68	180.05	8,072.45	-1,290.19	-252.04	1,287.57	1.80	1.19	1.35
8,997.00	89.80	179.45	8,074.54	-1,385.16	-251.62	1,382.54	2.32	2.23	-0.63
9,090.00	89.36	179.68	8,075.22	-1,478.16	-250.92	1,475.54	0.53	-0.47	0.25
9,185.00	88.65	179.86	8,076.87	-1,573.14	-250.54	1,570.52	0.77	-0.75	0.19
9,277.00	89.12	179.01	8,078.66	-1,665.12	-249.63	1,662.51	1.06	0.51	-0.92
9,372.00	90.51	180.15	8,078.97	-1,760.11	-248.93	1,757.50	1.89	1.46	1.20
9,466.00	89.02	180.64	8,079.36	-1,854.10	-249.58	1,851.48	1.67	-1.59	0.52
9,560.00	89.53	179.22	8,080.54	-1,948.09	-249.46	1,945.47	1.60	0.54	-1.51
9,654.00	89.87	178.79	8,081.04	-2,042.08	-247.83	2,039.46	0.58	0.36	-0.46
9,747.00	91.01	180.04	8,080.32	-2,135.07	-246.88	2,132.46	1.82	1.23	1.34
9,842.00	91.31	178.93	8,078.40	-2,230.04	-246.03	2,227.44	1.21	0.32	-1.17
9,936.00	91.22	179.50	8,076.32	-2,324.01	-244.74	2,321.41	0.61	-0.10	0.61
10,031.00	90.68	178.56	8,074.75	-2,418.98	-243.13	2,416.40	1.14	-0.57	-0.99
10,126.00	89.93	178.66	8,074.24	-2,513.95	-240.83	2,511.39	0.80	-0.79	0.11
10,220.00	89.80	177.76	8,074.46	-2,607.91	-237.89	2,605.36	0.97	-0.14	-0.96
10,314.00	89.60	178.69	8,074.96	-2,701.86	-234.98	2,699.34	1.01	-0.21	0.99
10,408.00	89.83	179.60	8,075.42	-2,795.84	-233.58	2,793.34	1.00	0.24	0.97
10,503.00	89.33	179.16	8,076.12	-2,890.84	-232.55	2,888.33	0.70	-0.53	-0.46
10,597.00	88.72	179.14	8,077.72	-2,984.81	-231.16	2,982.32	0.65	-0.65	-0.02
10,691.00	87.99	178.52	8,080.42	-3,078.75	-229.24	3,076.27	1.02	-0.78	-0.66
10,785.00	88.69	179.82	8,083.14	-3,172.70	-227.88	3,170.23	1.57	0.74	1.38
10,879.00	88.29	180.42	8,085.62	-3,266.67	-228.07	3,264.19	0.77	-0.43	0.64
10,973.00	89.50	181.41	8,087.43	-3,360.63	-229.58	3,358.14	1.66	1.29	1.05
11,068.00	89.60	180.98	8,088.18	-3,455.61	-231.56	3,453.09	0.46	0.11	-0.45
11,162.00	91.88	180.96	8,086.96	-3,549.58	-233.15	3,547.04	2.43	2.43	-0.02
11,255.00	92.01	180.90	8,083.81	-3,642.52	-234.66	3,639.96	0.15	0.14	-0.06
11,348.00	92.02	180.74	8,080.54	-3,735.45	-235.99	3,732.87	0.17	0.01	-0.17
11,443.00	91.68	179.32	8,077.47	-3,830.40	-236.04	3,827.81	1.54	-0.36	-1.49
11,538.00	91.10	179.15	8,075.17	-3,925.36	-234.77	3,922.78	0.64	-0.61	-0.18
11,632.00	90.37	180.50	8,073.96	-4,019.35	-234.48	4,016.77	1.63	-0.78	1.44
11,726.00	89.77	180.72	8,073.85	-4,113.34	-235.48	4,110.75	0.68	-0.64	0.23
11,821.00	89.73	180.41	8,074.26	-4,208.34	-236.42	4,205.73	0.33	-0.04	-0.33
11,916.00	90.23	181.38	8,074.29	-4,303.33	-237.90	4,300.70	1.15	0.53	1.02
12,011.00	90.27	181.41	8,073.88	-4,398.30	-240.21	4,395.64	0.05	0.04	0.03
12,106.00	91.25	182.44	8,072.62	-4,493.23	-243.41	4,490.54	1.50	1.03	1.08
12,200.00	87.88	180.22	8,073.33	-4,587.19	-245.59	4,584.46	4.29	-3.59	-2.36
12,295.00	86.99	180.08	8,077.58	-4,682.09	-245.84	4,679.36	0.95	-0.94	-0.15
12,390.00	87.29	178.86	8,082.32	-4,776.96	-244.96	4,774.24	1.32	0.32	-1.28



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	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)
12,485.00	88.79	179.35	8,085.57	-4,871.89	-243.48	4,869.18	1.66	1.58	0.52
12,579.00	88.51	178.41	8,087.79	-4,965.85	-241.64	4,963.15	1.04	-0.30	-1.00
12,672.00	89.56	178.72	8,089.35	-5,058.81	-239.31	5,056.12	1.18	1.13	0.33
12,766.00	90.74	178.55	8,089.11	-5,152.78	-237.07	5,150.11	1.27	1.26	-0.18
12,861.00	90.03	178.27	8,088.47	-5,247.74	-234.43	5,245.10	0.80	-0.75	-0.29
12,953.00	90.17	178.23	8,088.31	-5,339.69	-231.63	5,337.08	0.16	0.15	-0.04
13,048.00	89.43	177.93	8,088.64	-5,434.64	-228.44	5,432.05	0.84	-0.78	-0.32
13,141.00	88.49	177.53	8,090.33	-5,527.55	-224.76	5,524.99	1.10	-1.01	-0.43
13,235.00	91.18	178.68	8,090.60	-5,621.49	-221.65	5,618.96	3.11	2.86	1.22
13,330.00	90.77	179.18	8,088.98	-5,716.46	-219.88	5,713.94	0.68	-0.43	0.53
13,425.00	89.77	179.28	8,088.53	-5,811.45	-218.60	5,808.94	1.06	-1.05	0.11
13,520.00	89.90	179.72	8,088.81	-5,906.44	-217.77	5,903.93	0.48	0.14	0.46
13,614.00	89.87	180.24	8,089.00	-6,000.44	-217.74	5,997.93	0.55	-0.03	0.55
13,709.00	89.70	179.88	8,089.35	-6,095.44	-217.84	6,092.92	0.42	-0.18	-0.38
13,803.00	90.37	179.90	8,089.30	-6,189.44	-217.66	6,186.92	0.71	0.71	0.02
13,897.00	90.44	180.33	8,088.63	-6,283.44	-217.85	6,280.91	0.46	0.07	0.46
13,990.00	89.16	179.90	8,088.96	-6,376.43	-218.03	6,373.90	1.45	-1.38	-0.46
14,084.00	89.70	179.90	8,089.89	-6,470.43	-217.87	6,467.89	0.57	0.57	0.00
14,177.00	90.24	180.41	8,089.94	-6,563.43	-218.12	6,560.88	0.80	0.58	0.55
14,271.00	90.57	181.14	8,089.28	-6,657.42	-219.39	6,654.85	0.85	0.35	0.78
14,365.00	89.46	180.97	8,089.25	-6,751.40	-221.12	6,748.81	1.19	-1.18	-0.18
14,460.00	87.10	181.19	8,092.10	-6,846.33	-222.91	6,843.73	2.49	-2.48	0.23
14,554.00	88.42	180.13	8,095.78	-6,940.25	-223.99	6,937.63	1.80	1.40	-1.13
14,648.00	89.93	180.29	8,097.13	-7,034.24	-224.34	7,031.61	1.62	1.61	0.17
14,742.00	89.53	180.37	8,097.57	-7,128.23	-224.88	7,125.59	0.43	-0.43	0.09
14,837.00	88.86	180.40	8,098.91	-7,223.22	-225.52	7,220.57	0.71	-0.71	0.03
14,930.00	88.59	180.35	8,100.98	-7,316.20	-226.13	7,313.53	0.30	-0.29	-0.05
15,025.00	89.06	179.71	8,102.92	-7,411.18	-226.18	7,408.51	0.84	0.49	-0.67
15,120.00	89.09	180.34	8,104.46	-7,506.16	-226.22	7,503.49	0.66	0.03	0.66
15,214.00	89.36	181.27	8,105.73	-7,600.15	-227.54	7,597.45	1.03	0.29	0.99
15,309.00	90.03	181.37	8,106.24	-7,695.12	-229.73	7,692.40	0.71	0.71	0.11
15,403.00	89.20	180.90	8,106.87	-7,789.10	-231.59	7,786.35	1.01	-0.88	-0.50
15,496.00	88.35	181.48	8,108.86	-7,882.05	-233.52	7,879.29	1.11	-0.91	0.62
15,598.00	88.15	181.64	8,111.97	-7,983.97	-236.30	7,981.17	0.25	-0.20	0.16
15,655.00	88.15	181.64	8,113.81	-8,040.92	-237.93	8,038.09	0.00	0.00	0.00

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
15,655.00	8,113.81	-8,040.92	-237.93	PTB @ 15655' MD

**Nabors Drilling Solutions**
Survey Report

Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 501H
Project:	Eddy Co., NM	TVD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Site:	Remuda South 25 State	MD Reference:	RT=32(Nabors X09) @ 3097.00ft (Nabors X09)
Well:	501H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	RyanUSA_32Bit

Checked By: _____ Approved By: _____ Date: _____

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	Form C-103 August 1, 2011 Permit 296627 WELL API NUMBER 30-015-46434 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name REMUDA SOUTH 25 STATE																				
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)																						
1. Type of Well: O		8. Well Number 501H																				
2. Name of Operator XTO ENERGY, INC		9. OGRID Number 5380																				
3. Address of Operator 6401 Holiday Hill Road, Building #5, Midland, TX 79707		10. Pool name or Wildcat																				
4. Well Location Unit Letter <u>E</u> : <u>2354</u> feet from the <u>N</u> line and feet <u>660</u> from the <u>W</u> line Section <u>25</u> Township <u>23S</u> Range <u>29E</u> NMPM _____ County <u>Eddy</u>																						
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3064 GR																						
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																						
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2" style="text-align: center;">NOTICE OF INTENTION TO:</td> <td colspan="2" style="text-align: center;">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: <u>Perforations/Tubing</u> ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: <u>Perforations/Tubing</u> ☒	
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐																			
TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐																			
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐																				
Other: _____		Other: <u>Perforations/Tubing</u> ☒																				
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. XTO PERMIAN OPERATING LLC respectfully submits this sundry notice to report the completion operations of the referenced well. KOP 7643 depth 0 ft. PBTD = 15,643 ft. 2/26/21 Run RCB/GR/CCL 3/3/21 Pressure test 5.5 in csg to 7,888 psi for 30min test good, open sleeve. 4/5/21 Perf and frac 36 stages, 912 total shots, from 8,403 to 15,520, using 380,002 bbls of fluid and 18,002,091 lbs Proppant. Tag and drill out plugs. 5/18/21 Run 2-7/8 L80 6.5# tubing set at 7,672 ft. 5/18/21 Packer setting depth 7,657 ft.																						
Perforations																						
Pool: FORTY NINER RIDGE BONE SPRING, WEST, 96526 Location: M -36-23S-29E 200 S 430 W																						
TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount															
8403	15520	N	4	0	Sand	Frac	18002091															
Tubing																						
FORTY NINER RIDGE BONE SPRING, WEST, 96526																						
Tubing Size	Type	Depth Set	Packer Set																			
2.875	L80	7672	7657																			
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																						
SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Production Analyst</u>	DATE	<u>5/26/2021</u>																	
Type or print name	<u>Tiffany Yancey</u>	E-mail address	<u>tiffany.yancey@exxonmobil.com</u>	Telephone No.	<u>432-215-8939</u>																	
For State Use Only:																						
APPROVED BY:	<u>Kurt Simmons</u>	TITLE	<u>Petroleum Specialist - A</u>	DATE	<u>5/27/2021 2:04:17 PM</u>																	

District I

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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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

COMMENTS

Action 296627

COMMENTS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 296627
	Action Type: [C-103] EP Perforations / Tubing

Comments

Created By	Comment	Comment Date
jaltier	KOP 7643 depth 0 ft. PBDT = 15,643 ft. 2/26/21 Run RCB/GR/CCL 3/3/21 Pressure test 5.5 in csg to 7,888 psi for 30min test good, open sleeve.	5/26/2021

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. 30-015-46434										
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: 501H										
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 FORTY NINER RIDGE;BONE SPRING												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	E	25	23S	29E		2354	North	660	West	Eddy								
BH:	M	36	25S	29E		298	South	395	West	Eddy								
13. Date Spudded 8/7/2020	14. Date T.D. Reached 10/12/2020		15. Date Rig Released 10/14/2020		16. Date Completed (Ready to Produce) 6/11/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3064' GL										
18. Total Measured Depth of Well 15,655			19. Plug Back Measured Depth 15,643		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL										
22. Producing Interval(s), of this completion - Top, Bottom, Name 8,403 - 15,520 FORTY NINER RIDGE;BONE SPRING																		
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		311'		20"		800										
11 3/4"		54.0		3,157'		14 3/4"		3360										
8 5/8"		32.0		7562		10 5/8"		1060										
5 1/2"		20.0		156452		7 7/8"		1712										
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET											
					2 7/8"	7,672	7,657											
26. Perforation record (interval, size, and number) 8,403 - 15,520 4spf, 912 Total Shots 36 stages KOP @ 7643					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>8,403 - 15,520</td> <td>380,003 bbl fluid + 18,002,091 lbs proppant</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	8,403 - 15,520	380,003 bbl fluid + 18,002,091 lbs proppant				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
8,403 - 15,520	380,003 bbl fluid + 18,002,091 lbs proppant																	
28. PRODUCTION																		
Date First Production 6/12/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing												
Date of Test 7/01/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 704	Gas - MCF 1176	Water - Bbl. 4896	Gas - Oil Ratio 1670											
Flow Tubing Press. 354	Casing Pressure 296	Calculated 24-Hour Rate	Oil - Bbl. 704	Gas - MCF 1176	Water - Bbl. 4896	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 Printed Signature Name Cassie Evans Title Regulatory Analyst Date 12/03/2021 E-mail Address cassie.evans@xtoenergy.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 2875	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3028'	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 3,230'	T. Morrison	
T. Drinkard	T. Bone Springs 6931'	T. Todilto	
T. Abo	T. Rustler '	T. Entrada	
T. Wolfcamp	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

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
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ACKNOWLEDGMENTS

Action 69533

ACKNOWLEDGMENTS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 69533
	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.

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CONDITIONS

Action 69533

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 69533
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/14/2022