

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 & Natural Resources

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 Rd., Bldg 5 Midland, TX 79707		² OGRID Number 005380	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-015-44253	⁵ Pool Name Purple Sage; Wolfcamp		⁶ Pool Code 98220
⁷ Property Code 317788	⁸ Property Name Remuda South 25 State		⁹ Well Number 167H

II. ¹⁰ Surface Location

UI or lot no. H	Section 25	Township 23S	Range 29E	Lot Idn	Feet from the 2280	North/South Line North	Feet from the 735	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. P	Section 36	Township 23S	Range 29E	Lot Idn	Feet from the 197	North/South line South	Feet from the 999	East/West line East	County 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
05380	XTO Permian Midstream (MSO) 6401 Holiday Hill Rd Bldg 5, Midland TX 79707	O/G
214984	Plains Marketing LP--- 333 Clay St., Ste 1600, Houston, TX 77002	O
248440	Western Refining--212 N. Clark Dr., El Paso, TX 79905	O

IV. Well Completion Data

²¹ Spud Date 06/23/2019	²² Ready Date 09/02/2020	²³ TD 19193 MD/ 11363TVD	²⁴ PBTD 19181MD 11363 TVD	²⁵ Perforations 11798 - 19048	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
24		18.875		375	
17.5		13.625		3162	
12.25		9.875		10671	
8.75		5.5 / 2.875 tbg		19183 / 10754 tbg	
				3265	

V. Well Test Data

³¹ Date New Oil 09/03/2020	³² Gas Delivery Date 09/07/2020	³³ Test Date 09/24/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 2328	³⁶ Csg. Pressure 1048
³⁷ Choke Size	³⁸ Oil 455	³⁹ Water 1621	⁴⁰ Gas 4561		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 Approved by: <i>[Signature]</i>	
Printed name: Cassie Evans		Title: BUSINESS OP. SPEC.	
Title: REGULATORY ANALYST		Approval Date: 04/01/2021	
E-mail Address: cassie_evans@xtoenergy.com			
Date: 10/4/2020	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 30-015-44253	² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp
⁴ Property Code 317788	⁵ Property Name REMUDA SOUTH 25 STATE	⁶ Well Number 167H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,090'

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
H	25	23 S	29 E		2,280	NORTH	735	EAST	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
P	36	23 S	29 E		197	SOUTH	999	EAST	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

	16 SEC. 24 SEC. 19 SEC. 25 SEC. 30 SEC. 36 SEC. 31 SEC. 1 SEC. 6	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 464,639.9 X= 624,200.0 LAT.= 32.276772°N LONG.= 103.931471°W FIRST TAKE POINT NAD 27 NME Y= 463,871.9 X= 623,928.5 LAT.= 32.274664°N LONG.= 103.932359°W KICK OFF POINT NAD 83 NME Y= 464,598.0 X= 665,073.7 LAT.= 32.276620°N LONG.= 103.932964°W KICK OFF POINT NAD 27 NME Y= 464,538.6 X= 623,890.7 LAT.= 32.276497°N LONG.= 103.932473°W LAST TAKE POINT NAD 27 NME Y= 456,632.4 X= 623,986.8 LAT.= 32.254763°N LONG.= 103.932258°W BOTTOM HOLE LOCATION NAD 27 NME Y= 456,488.3 X= 623,971.6 LAT.= 32.254367°N LONG.= 103.932309°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 464,699.3 X= 665,383.0 LAT.= 32.276895°N LONG.= 103.931962°W FIRST TAKE POINT NAD 83 NME Y= 463,931.3 X= 665,111.5 LAT.= 32.274787°N LONG.= 103.932850°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 464,258.3 N, X= 624,936.3 E B - Y= 464,258.9 N, X= 623,667.2 E C - Y= 461,610.6 N, X= 624,947.7 E D - Y= 461,609.3 N, X= 623,619.4 E E - Y= 458,950.4 N, X= 624,961.0 E F - Y= 458,948.5 N, X= 623,632.7 E G - Y= 456,293.7 N, X= 624,971.6 E H - Y= 456,290.8 N, X= 623,644.7 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 464,317.7 N, X= 666,119.3 E B - Y= 464,318.3 N, X= 664,850.2 E C - Y= 461,669.9 N, X= 666,130.8 E D - Y= 461,668.6 N, X= 664,802.5 E E - Y= 459,009.7 N, X= 666,144.1 E F - Y= 459,007.8 N, X= 664,815.8 E G - Y= 456,352.9 N, X= 666,154.8 E H - Y= 456,350.0 N, X= 664,827.9 E LAST TAKE POINT NAD 83 NME Y= 456,691.6 X= 665,170.0 LAT.= 32.254885°N LONG.= 103.932747°W BOTTOM HOLE LOCATION NAD 83 NME Y= 456,547.5 X= 665,154.8 LAT.= 32.254490°N LONG.= 103.932798°W	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>Melanie Collins</i> 8/25/20 Signature Date <u>Melanie Collins</u> Printed Name <u>melanie.collins@xtoenergy.com</u> 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. 4-22-2020 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> MARK DILLON HARP 23786 Certificate Number			MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR
	JC 2019010056			
	Released to Imaging 4/1/2021 4:16:54 PM			

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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.

Eddy County, NM

Sec 25, T23S, R29E

Remuda South 25 State 167H

Wellbore #1

Design: Wellbore #1

QES Survey Certification Report

06 August, 2019



Quintana Energy Services

11390 FM 830
Willis, TX 77318
Phone: (936) 856-4332
Fax: (936) 856-8678

**Survey Certification Sheet**

Company	Job Number	Date
XTO Energy, Inc	WT-190925	8/7/2019

Lease	Well Name	County & State
Sec 25, T23S, 29E,	Remuda South 25 State 167H	Eddy, New Mexico

API No.	Survey Depth Range	Survey Type
30-015-44253	153 feet to 19,193 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Click here to enter text.	Jeff Newton

Certification Statement

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Quintana Energy Services (QES). This report represents a true and correct directional survey of this well based on the original data obtained at the well site. Wellbore coordinates are calculated using minimum curvature.

Kristopher Ray
Regulatory Compliance Manager
Quintana Energy Services



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, 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	Sec 25, T23S, R29E		
Site Position:		Northing:	464,639.90 usft
From:	Map	Easting:	624,200.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 16' 36.381 N
		Longitude:	103° 55' 53.295 W
		Grid Convergence:	0.21 °

Well	Remuda South 25 State 167H		
Well Position	+N/-S	0.0 usft	Northing: 464,639.90 usft
	+E/-W	0.0 usft	Easting: 624,200.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 36.381 N
		Longitude:	103° 55' 53.295 W
		Ground Level:	3,090.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/17/2019	6.95	60.02	47,922.60000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.54	

Survey Program	Date	8/6/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
153.0	19,193.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	
153.0	1.20	242.50	153.0	-0.7	-1.4	1.6	242.50	
First MWD Survey @ 153.0' MD / 153.0' TVD								
247.0	1.20	241.40	247.0	-1.7	-3.2	3.6	242.20	
338.0	1.30	262.00	337.9	-2.3	-5.0	5.5	245.70	
400.0	2.00	270.90	399.9	-2.3	-6.8	7.2	250.95	
495.0	2.20	274.50	494.9	-2.2	-10.3	10.5	258.03	
582.0	2.40	270.40	581.8	-2.0	-13.8	13.9	261.59	
676.0	2.40	272.50	675.7	-1.9	-17.7	17.8	263.76	
771.0	1.50	242.80	770.7	-2.4	-20.8	20.9	263.37	
866.0	1.20	203.10	865.6	-3.9	-22.3	22.6	260.07	
960.0	1.50	203.80	959.6	-5.9	-23.2	23.9	255.64	



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Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
1,055.0	1.30	210.10	1,054.6	-8.0	-24.2	25.5	251.71	
1,150.0	1.50	184.30	1,149.5	-10.2	-24.8	26.8	247.73	
1,245.0	1.90	220.10	1,244.5	-12.6	-25.9	28.9	244.07	
1,340.0	1.80	252.50	1,339.5	-14.3	-28.4	31.8	243.31	
1,434.0	1.70	269.50	1,433.4	-14.7	-31.2	34.5	244.72	
1,529.0	1.50	268.30	1,528.4	-14.8	-33.8	36.9	246.41	
1,623.0	1.70	241.90	1,622.3	-15.5	-36.3	39.5	246.92	
1,718.0	1.60	271.30	1,717.3	-16.1	-38.9	42.1	247.50	
1,811.0	2.10	289.80	1,810.3	-15.5	-41.8	44.6	249.65	
1,904.0	2.20	284.60	1,903.2	-14.5	-45.1	47.4	252.21	
1,998.0	2.50	265.10	1,997.1	-14.2	-48.9	50.9	253.82	
2,093.0	1.90	272.40	2,092.0	-14.3	-52.5	54.4	254.77	
2,188.0	1.90	275.70	2,187.0	-14.1	-55.7	57.4	255.81	
2,282.0	2.10	262.00	2,280.9	-14.2	-58.9	60.6	256.49	
2,377.0	0.90	288.70	2,375.9	-14.2	-61.4	63.0	257.00	
2,472.0	0.50	2.90	2,470.9	-13.5	-62.0	63.5	257.71	
2,567.0	0.40	110.60	2,565.9	-13.2	-61.7	63.1	257.91	
2,661.0	0.90	124.30	2,659.9	-13.7	-60.8	62.3	257.26	
2,755.0	1.40	124.70	2,753.9	-14.8	-59.2	61.1	255.96	
2,849.0	1.50	134.40	2,847.8	-16.3	-57.4	59.7	254.12	
2,943.0	2.00	125.40	2,941.8	-18.1	-55.2	58.1	251.81	
3,037.0	1.50	125.40	3,035.8	-19.8	-52.9	56.4	249.46	
3,090.0	1.70	142.30	3,088.7	-20.8	-51.8	55.8	248.10	
3,218.0	1.20	132.30	3,216.7	-23.2	-49.7	54.8	244.93	
3,313.0	0.80	125.60	3,311.7	-24.3	-48.4	54.1	243.34	
3,408.0	0.40	320.50	3,406.7	-24.4	-48.1	53.9	243.06	
3,502.0	1.30	309.30	3,500.7	-23.5	-49.1	54.4	244.43	
3,596.0	1.50	312.30	3,594.6	-22.0	-50.8	55.4	246.61	
3,690.0	1.60	307.70	3,688.6	-20.4	-52.8	56.6	248.91	
3,784.0	1.70	305.60	3,782.6	-18.7	-54.9	58.1	251.17	
3,878.0	1.60	308.00	3,876.5	-17.1	-57.1	59.6	253.31	
3,973.0	1.70	301.70	3,971.5	-15.6	-59.4	61.4	255.31	
4,067.0	1.70	300.80	4,065.4	-14.1	-61.7	63.3	257.12	
4,161.0	1.50	298.40	4,159.4	-12.8	-64.0	65.3	258.68	
4,255.0	1.20	301.20	4,253.4	-11.7	-65.9	67.0	259.92	
4,350.0	1.70	298.00	4,348.3	-10.5	-68.0	68.9	261.19	
4,443.0	2.70	292.40	4,441.3	-9.1	-71.3	71.9	262.75	
4,538.0	3.80	290.60	4,536.1	-7.1	-76.3	76.6	264.68	
4,633.0	3.40	270.90	4,630.9	-6.0	-82.1	82.3	265.85	
4,728.0	3.90	254.90	4,725.7	-6.8	-88.0	88.3	265.61	
4,823.0	4.30	247.40	4,820.5	-9.0	-94.4	94.8	264.58	
4,917.0	4.30	248.30	4,914.2	-11.6	-100.9	101.6	263.43	
5,010.0	4.10	249.00	5,007.0	-14.1	-107.3	108.2	262.51	
5,106.0	4.20	249.50	5,102.7	-16.6	-113.8	115.0	261.72	



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
5,201.0	4.30	248.80	5,197.5	-19.1	-120.4	121.9	261.00	
5,296.0	4.50	248.10	5,292.2	-21.7	-127.1	129.0	260.29	
5,390.0	4.50	247.20	5,385.9	-24.5	-134.0	136.2	259.62	
5,485.0	4.00	251.10	5,480.6	-27.1	-140.5	143.1	259.10	
5,580.0	3.40	250.40	5,575.4	-29.1	-146.3	149.2	258.76	
5,674.0	3.60	252.50	5,669.3	-30.9	-151.8	154.9	258.49	
5,768.0	3.20	253.00	5,763.1	-32.6	-157.1	160.4	258.29	
5,863.0	2.80	251.80	5,858.0	-34.1	-161.8	165.4	258.11	
5,958.0	2.60	254.40	5,952.9	-35.4	-166.1	169.8	257.98	
6,052.0	2.40	250.70	6,046.8	-36.6	-170.0	173.9	257.85	
6,146.0	2.30	252.10	6,140.7	-37.8	-173.7	177.7	257.71	
6,241.0	2.40	249.50	6,235.6	-39.1	-177.3	181.6	257.57	
6,336.0	2.30	250.20	6,330.5	-40.4	-181.0	185.5	257.40	
6,430.0	2.20	246.30	6,424.5	-41.8	-184.4	189.1	257.23	
6,524.0	2.50	247.90	6,518.4	-43.3	-188.0	192.9	257.03	
6,619.0	2.50	250.00	6,613.3	-44.8	-191.8	197.0	256.86	
6,713.0	2.10	251.60	6,707.2	-46.0	-195.4	200.7	256.74	
6,807.0	1.90	248.60	6,801.2	-47.1	-198.5	204.0	256.64	
6,902.0	1.70	250.20	6,896.1	-48.2	-201.3	207.0	256.53	
6,996.0	1.70	247.00	6,990.1	-49.2	-203.9	209.7	256.43	
7,091.0	1.40	244.90	7,085.0	-50.3	-206.2	212.3	256.30	
7,184.0	1.60	246.70	7,178.0	-51.3	-208.4	214.6	256.18	
7,279.0	1.20	238.90	7,273.0	-52.3	-210.5	216.9	256.05	
7,374.0	1.50	243.00	7,368.0	-53.4	-212.5	219.1	255.90	
7,469.0	1.40	236.00	7,462.9	-54.6	-214.5	221.4	255.72	
7,562.0	1.30	230.20	7,555.9	-55.9	-216.3	223.4	255.51	
7,656.0	1.80	261.10	7,649.9	-56.8	-218.6	225.8	255.43	
7,750.0	2.10	271.30	7,743.8	-57.0	-221.7	229.0	255.58	
7,844.0	1.40	263.00	7,837.8	-57.1	-224.6	231.8	255.74	
7,937.0	1.00	250.70	7,930.7	-57.5	-226.5	233.7	255.75	
8,031.0	0.30	226.50	8,024.7	-57.9	-227.5	234.7	255.71	
8,126.0	1.10	260.90	8,119.7	-58.3	-228.5	235.8	255.70	
8,220.0	1.80	269.20	8,213.7	-58.4	-230.9	238.2	255.80	
8,314.0	1.40	266.50	8,307.7	-58.5	-233.5	240.7	255.93	
8,407.0	1.60	271.30	8,400.6	-58.6	-236.0	243.1	256.06	
8,502.0	1.10	262.00	8,495.6	-58.7	-238.2	245.3	256.17	
8,595.0	0.80	256.50	8,588.6	-58.9	-239.7	246.8	256.19	
8,622.0	1.00	264.60	8,615.6	-59.0	-240.1	247.3	256.20	
8,715.0	0.90	239.30	8,708.6	-59.4	-241.6	248.8	256.18	
8,809.0	1.60	226.10	8,802.6	-60.7	-243.1	250.6	255.98	
8,903.0	2.10	217.30	8,896.5	-63.0	-245.1	253.1	255.58	
8,997.0	1.70	183.40	8,990.5	-65.8	-246.3	254.9	255.05	
9,091.0	2.00	198.00	9,084.4	-68.7	-246.8	256.2	254.44	
9,185.0	3.20	220.80	9,178.3	-72.3	-249.1	259.3	253.82	
9,279.0	3.80	232.80	9,272.1	-76.1	-253.3	264.5	253.27	



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
9,374.0	3.40	231.70	9,367.0	-79.8	-258.0	270.0	252.81	
9,469.0	3.30	228.90	9,461.8	-83.3	-262.2	275.2	252.37	
9,562.0	2.80	231.70	9,554.7	-86.5	-266.0	279.8	251.99	
9,656.0	2.20	231.90	9,648.6	-89.0	-269.3	283.6	251.70	
9,749.0	2.50	241.40	9,741.5	-91.1	-272.5	287.3	251.51	
9,843.0	2.50	242.30	9,835.4	-93.0	-276.1	291.3	251.37	
9,938.0	2.50	247.90	9,930.3	-94.8	-279.8	295.4	251.29	
10,032.0	2.70	258.10	10,024.2	-96.0	-283.9	299.7	251.31	
10,126.0	2.60	262.90	10,118.1	-96.7	-288.2	304.0	251.44	
10,220.0	2.60	267.30	10,212.0	-97.1	-292.4	308.1	251.63	
10,315.0	2.20	256.20	10,306.9	-97.6	-296.3	312.0	251.76	
10,409.0	1.90	250.20	10,400.9	-98.6	-299.6	315.4	251.78	
10,503.0	1.90	249.00	10,494.8	-99.7	-302.5	318.5	251.76	
10,605.0	1.90	256.70	10,596.8	-100.7	-305.7	321.9	251.77	
10,698.0	1.71	261.33	10,689.7	-101.2	-308.6	324.8	251.84	
10,729.0	1.74	263.16	10,720.7	-101.4	-309.5	325.7	251.87	
10,760.0	1.68	263.43	10,751.7	-101.5	-310.4	326.6	251.90	
10,792.0	0.77	217.99	10,783.7	-101.7	-311.0	327.2	251.89	
10,823.0	3.83	201.40	10,814.7	-102.8	-311.5	328.1	251.73	
10,854.0	6.86	214.01	10,845.5	-105.3	-312.9	330.2	251.40	
10,886.0	7.18	223.94	10,877.3	-108.3	-315.4	333.5	251.04	
10,917.0	4.65	198.79	10,908.1	-110.9	-317.1	336.0	250.72	
10,948.0	6.92	193.40	10,939.0	-113.9	-318.0	337.8	250.29	
10,980.0	11.04	196.20	10,970.6	-118.8	-319.3	340.7	249.60	
11,011.0	16.51	193.19	11,000.7	-125.9	-321.1	344.9	248.59	
11,043.0	21.46	185.56	11,030.9	-136.2	-322.7	350.3	247.12	
11,074.0	26.02	180.21	11,059.3	-148.6	-323.3	355.8	245.31	
11,106.0	29.61	178.51	11,087.6	-163.5	-323.1	362.2	243.15	
11,137.0	33.38	177.21	11,114.0	-179.7	-322.5	369.2	240.87	
11,168.0	36.86	174.32	11,139.4	-197.5	-321.2	377.0	238.41	
11,200.0	41.34	171.49	11,164.2	-217.5	-318.7	385.8	235.68	
11,232.0	47.04	169.98	11,187.1	-239.5	-315.1	395.8	232.76	
11,264.0	51.69	170.92	11,208.0	-263.5	-311.0	407.6	229.73	
11,295.0	55.62	173.39	11,226.3	-288.2	-307.6	421.5	226.87	
11,326.0	58.52	174.81	11,243.2	-314.1	-305.0	437.8	224.16	
11,358.0	61.75	175.94	11,259.1	-341.7	-302.7	456.5	221.54	
11,389.0	66.79	177.17	11,272.6	-369.6	-301.1	476.7	219.17	
11,421.0	70.45	177.99	11,284.2	-399.4	-299.8	499.4	216.90	
11,452.0	72.37	177.45	11,294.1	-428.7	-298.6	522.5	214.86	
11,483.0	73.31	175.53	11,303.3	-458.3	-296.8	546.0	212.93	
11,515.0	74.79	174.84	11,312.1	-488.9	-294.2	570.6	211.04	
11,547.0	77.36	174.90	11,319.8	-519.9	-291.5	596.0	209.28	
11,578.0	80.13	175.16	11,325.8	-550.2	-288.8	621.4	207.70	
11,610.0	81.40	175.43	11,330.9	-581.6	-286.2	648.2	206.20	



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
11,640.0	81.52	175.08	11,335.4	-611.2	-283.8	673.9	204.91	
11,672.0	82.05	174.88	11,340.0	-642.7	-281.0	701.5	203.62	
11,703.0	83.69	175.40	11,343.8	-673.4	-278.4	728.7	202.46	
11,734.0	86.05	176.20	11,346.6	-704.2	-276.1	756.4	201.41	
11,781.0	88.13	175.63	11,349.0	-751.0	-272.8	799.0	199.96	
11,829.0	89.94	175.79	11,349.8	-798.9	-269.2	843.0	198.62	
11,923.0	88.54	177.55	11,351.0	-892.7	-263.8	930.8	196.46	
12,017.0	90.61	178.66	11,351.7	-986.6	-260.6	1,020.5	194.80	
12,112.0	89.27	179.28	11,351.8	-1,081.6	-258.9	1,112.2	193.46	
12,206.0	93.53	178.39	11,349.5	-1,175.5	-257.0	1,203.3	192.33	
12,299.0	87.98	178.29	11,348.3	-1,268.5	-254.3	1,293.7	191.34	
12,393.0	91.01	181.83	11,349.1	-1,362.4	-254.4	1,386.0	190.58	
12,488.0	89.72	182.10	11,348.5	-1,457.4	-257.7	1,480.0	190.03	
12,581.0	91.43	185.74	11,347.6	-1,550.1	-264.0	1,572.4	189.67	
12,676.0	88.43	183.59	11,347.7	-1,644.8	-271.8	1,667.1	189.38	
12,769.0	86.05	179.19	11,352.2	-1,737.6	-274.0	1,759.1	188.96	
12,863.0	85.32	178.91	11,359.3	-1,831.3	-272.5	1,851.5	188.46	
12,957.0	86.44	176.84	11,366.0	-1,925.0	-269.0	1,943.7	187.95	
13,052.0	89.66	176.43	11,369.3	-2,019.8	-263.4	2,036.9	187.43	
13,147.0	89.94	174.46	11,369.6	-2,114.5	-255.9	2,129.9	186.90	
13,241.0	89.66	175.28	11,369.9	-2,208.1	-247.5	2,221.9	186.39	
13,335.0	90.28	175.10	11,370.0	-2,301.8	-239.6	2,314.2	185.94	
13,429.0	90.42	176.67	11,369.4	-2,395.5	-232.9	2,406.8	185.55	
13,523.0	90.34	179.49	11,368.8	-2,489.5	-229.7	2,500.0	185.27	
13,616.0	91.09	178.46	11,367.6	-2,582.4	-228.0	2,592.5	185.05	
13,711.0	91.07	182.82	11,365.8	-2,677.4	-229.1	2,687.2	184.89	
13,804.0	88.99	182.58	11,365.8	-2,770.3	-233.5	2,780.1	184.82	
13,898.0	91.37	181.95	11,365.5	-2,864.2	-237.2	2,874.0	184.73	
13,993.0	90.36	181.86	11,364.0	-2,959.1	-240.4	2,968.9	184.64	
14,086.0	88.32	180.43	11,365.1	-3,052.1	-242.2	3,061.7	184.54	
14,179.0	91.26	181.50	11,365.4	-3,145.1	-243.8	3,154.5	184.43	
14,273.0	92.50	180.96	11,362.4	-3,239.0	-245.8	3,248.3	184.34	
14,367.0	88.43	180.94	11,361.6	-3,333.0	-247.4	3,342.1	184.24	
14,461.0	88.99	180.82	11,363.7	-3,426.9	-248.8	3,436.0	184.15	
14,555.0	90.17	181.04	11,364.4	-3,520.9	-250.3	3,529.8	184.07	
14,650.0	89.91	181.47	11,364.3	-3,615.9	-252.4	3,624.7	183.99	
14,744.0	87.56	179.23	11,366.4	-3,709.9	-253.0	3,718.5	183.90	
14,838.0	90.36	180.63	11,368.1	-3,803.8	-252.9	3,812.2	183.80	
14,933.0	89.55	179.47	11,368.2	-3,898.8	-252.9	3,907.0	183.71	
15,028.0	88.82	178.49	11,369.5	-3,993.8	-251.3	4,001.7	183.60	
15,123.0	90.98	179.47	11,369.7	-4,088.8	-249.6	4,096.4	183.49	
15,217.0	86.80	177.37	11,371.5	-4,182.7	-247.0	4,190.0	183.38	
15,311.0	88.74	177.38	11,375.2	-4,276.5	-242.7	4,283.4	183.25	
15,406.0	91.65	178.02	11,374.9	-4,371.4	-238.9	4,378.0	183.13	



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
15,501.0	89.61	178.17	11,373.8	-4,466.4	-235.7	4,472.6	183.02	
15,595.0	94.66	178.01	11,370.3	-4,560.2	-232.6	4,566.2	182.92	
15,689.0	95.69	177.91	11,361.8	-4,653.8	-229.2	4,659.4	182.82	
15,783.0	92.24	177.72	11,355.3	-4,747.5	-225.7	4,752.8	182.72	
15,878.0	87.37	176.32	11,355.7	-4,842.3	-220.7	4,847.4	182.61	
15,973.0	88.49	180.01	11,359.1	-4,937.2	-217.7	4,942.0	182.52	
16,068.0	87.98	180.00	11,362.0	-5,032.2	-217.7	5,036.9	182.48	
16,163.0	90.84	181.54	11,363.0	-5,127.1	-219.0	5,131.8	182.45	
16,257.0	92.66	181.08	11,360.1	-5,221.1	-221.1	5,225.7	182.43	
16,352.0	93.80	180.50	11,354.8	-5,315.9	-222.4	5,320.5	182.40	
16,446.0	93.14	182.75	11,349.1	-5,409.7	-225.1	5,414.4	182.38	
16,538.0	93.53	182.60	11,343.7	-5,501.4	-229.4	5,506.2	182.39	
16,562.0	93.40	181.75	11,342.3	-5,525.4	-230.3	5,530.2	182.39	
16,656.0	87.90	181.21	11,341.2	-5,619.3	-232.7	5,624.1	182.37	
16,750.0	86.80	180.49	11,345.6	-5,713.2	-234.1	5,718.0	182.35	
16,845.0	87.34	180.06	11,350.4	-5,808.0	-234.6	5,812.8	182.31	
16,939.0	87.28	178.79	11,354.8	-5,901.9	-233.6	5,906.6	182.27	
17,032.0	86.86	177.87	11,359.6	-5,994.8	-230.9	5,999.2	182.21	
17,126.0	89.92	177.80	11,362.2	-6,088.7	-227.4	6,092.9	182.14	
17,220.0	90.03	180.17	11,362.3	-6,182.6	-225.7	6,186.8	182.09	
17,313.0	91.71	181.98	11,360.9	-6,275.6	-227.4	6,279.7	182.08	
17,407.0	91.32	182.40	11,358.4	-6,369.5	-231.0	6,373.7	182.08	
17,502.0	88.21	179.76	11,358.8	-6,464.5	-232.8	6,468.7	182.06	
17,596.0	89.38	181.25	11,360.7	-6,558.4	-233.7	6,562.6	182.04	
17,690.0	89.89	181.44	11,361.3	-6,652.4	-235.9	6,656.6	182.03	
17,784.0	91.79	181.01	11,360.0	-6,746.4	-237.9	6,750.6	182.02	
17,879.0	88.66	179.17	11,359.6	-6,841.4	-238.0	6,845.5	181.99	
17,974.0	90.53	180.13	11,360.3	-6,936.3	-237.4	6,940.4	181.96	
18,068.0	90.31	178.48	11,359.6	-7,030.3	-236.3	7,034.3	181.93	
18,162.0	89.24	176.99	11,359.9	-7,124.3	-232.6	7,128.0	181.87	
18,257.0	88.49	175.43	11,361.8	-7,219.0	-226.3	7,222.6	181.80	
18,350.0	88.77	174.44	11,364.0	-7,311.6	-218.1	7,314.9	181.71	
18,444.0	89.86	175.13	11,365.2	-7,405.2	-209.6	7,408.2	181.62	
18,538.0	91.18	173.21	11,364.3	-7,498.7	-200.0	7,501.4	181.53	
18,633.0	89.78	176.89	11,363.5	-7,593.4	-191.8	7,595.8	181.45	
18,727.0	90.62	183.64	11,363.2	-7,687.3	-192.2	7,689.7	181.43	
18,821.0	88.91	182.88	11,363.6	-7,781.1	-197.6	7,783.7	181.45	
18,916.0	89.39	183.18	11,365.0	-7,876.0	-202.6	7,878.6	181.47	
19,010.0	91.01	185.08	11,364.7	-7,969.8	-209.4	7,972.5	181.50	
19,104.0	92.72	186.47	11,361.6	-8,063.2	-218.8	8,066.2	181.55	
19,146.0	92.61	186.05	11,359.6	-8,104.9	-223.4	8,108.0	181.58	
19,193.0	92.61	186.05	11,357.5	-8,151.6	-228.4	8,154.8	181.60	
TD @ 19193.0' MD / 11357.5' TVD								



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 167H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3113.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3113.0usft (Nabors M7507)
Well:	Remuda South 25 State 167H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
153.0	153.0	-0.7	-1.4	First MWD Survey @ 153.0' MD / 153.0' TVD
19,193.0	11,357.5	-8,151.6	-228.4	TD @ 19193.0' MD / 11357.5' TVD

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										
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		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								6. Well Number: 167H		
8. Name of Operator XTO ENERGY, INC						9. OGRID 005380				
10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707						11. Pool name or Wildcat Purple Sage Wolfcamp (Gas)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	25	23S	29E		2280	North	735	East	Eddy
BH:	P	36	23S	29E		197	South	999	East	Eddy
13. Date Spudded 06/23/2019	14. Date T.D. Reached 08/06/2019 8/07/19		15. Date Rig Released 08/10/2019		16. Date Completed (Ready to Produce) 09/02/2020			17. Elevations (DF and RKB, RT, GR, etc.) 3090' GL		
18. Total Measured Depth of Well 19,193'			19. Plug Back Measured Depth 19,181'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,798' - 19,048' Purple Sage; Wolfcamp (Gas)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
18 5/8"		87.5		375'		24"		1045		
13 3/8"		68		3162'		17 1/2"		3950		
9 5/8"		40		10,671'		12 1/4"		2485		
5 1/2"		23		19,183'		8 3/4"		3265		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					2 7/8"	10,754'	10,738'			
26. Perforation record (interval, size, and number) 11,798' - 19,048', 4spf, 2308 Total Shots 49 stages					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11,798' - 19,048'		345,455bbl fluid + 18,018,006lbs proppant			
28. PRODUCTION										
Date First Production 09/03/2020		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 09/24/2020	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 455	Gas - MCF 4561	Water - Bbl. 1621	Gas - Oil Ratio 10024			
Flow Tubing Press. 2328	Casing Pressure 1048	Calculated 24-Hour Rate	Oil - Bbl. 455	Gas - MCF 4561	Water - Bbl. 1621	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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 Cassie Evans			Printed Name Cassie Evans			Title Regulatory Analyst			Date	
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 438'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3124'	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 3,342'	T. Morrison	
T. Drinkard	T. Bone Springs 7,019'	T. Todilto	
T. Abo	T. Rustler 239'	T. Entrada	
T. Wolfcamp 10,383'	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

CONDITIONS

Action 20001

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	5380	20001	C-104C

OCD Reviewer	Condition
abustamante	None