

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 30-015-44393	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 317788	⁵ Property Name REMUDA SOUTH 25 STATE	⁶ Well Number 128H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,093'

¹⁰ Surface Location

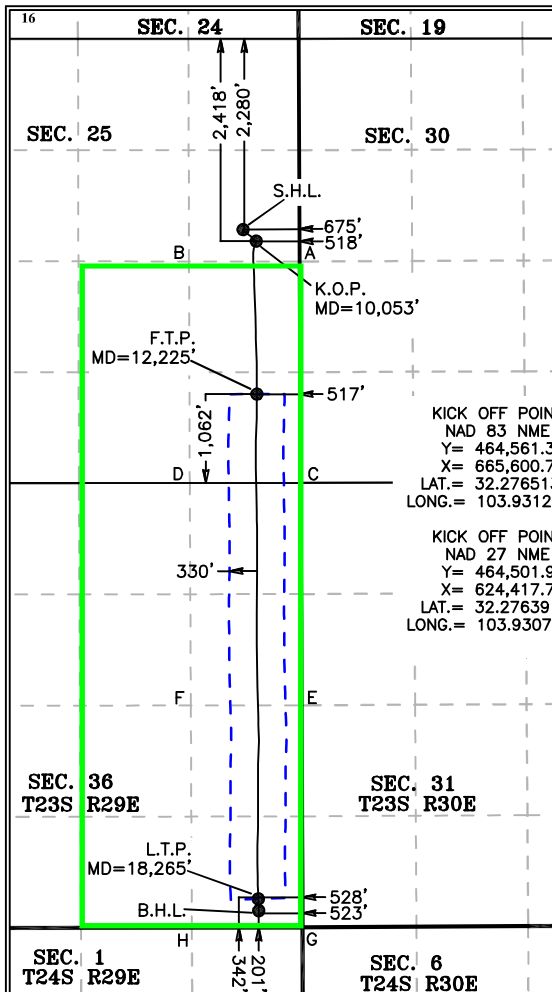
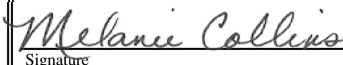
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	25	23 S	29 E		2,280	NORTH	675	EAST	EDDY

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		201	SOUTH	523	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 NAD 27 NME SURFACE LOCATION Y= 464,640.1 X= 624,260.3 LAT.= 32.276772°N LONG.= 103.931276°W FIRST TAKE POINT NAD 27 NME Y= 462,671.6 X= 624,425.9 LAT.= 32.271360°N LONG.= 103.930764°W KICK OFF POINT NAD 27 NME Y= 464,561.3 X= 665,600.7 LAT.= 32.276513°N LONG.= 103.931259°W KICK OFF POINT NAD 83 NME Y= 464,501.9 X= 624,417.7 LAT.= 32.276391°N LONG.= 103.930768°W	17 OPERATOR CERTIFICATION <i>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>  Signature Date 7/22/2020 Melanie Collins Printed Name melanie_collins@xtoenergy.com E-mail Address
	SEC. 19 NAD 83 NME SURFACE LOCATION Y= 464,699.5 X= 665,443.3 LAT.= 32.276895°N LONG.= 103.931766°W FIRST TAKE POINT NAD 83 NME Y= 462,731.0 X= 665,608.9 LAT.= 32.271482°N LONG.= 103.931255°W CORNER COORDINATES TABLE NAD 27 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	
	SEC. 25 NAD 27 NME SURFACE LOCATION Y= 464,640.1 X= 624,260.3 LAT.= 32.276772°N LONG.= 103.931276°W FIRST TAKE POINT NAD 27 NME Y= 462,671.6 X= 624,425.9 LAT.= 32.271360°N LONG.= 103.930764°W KICK OFF POINT NAD 27 NME Y= 464,561.3 X= 665,600.7 LAT.= 32.276513°N LONG.= 103.931259°W KICK OFF POINT NAD 83 NME Y= 464,501.9 X= 624,417.7 LAT.= 32.276391°N LONG.= 103.930768°W	18 SURVEYOR CERTIFICATION <i>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.</i> 4-22-2020 Date of Survey Signature and Seal of Professional Surveyor:  MARK DILLON HARP 23786 Certificate Number JC 2019010058
	SEC. 30 NAD 27 NME SURFACE LOCATION Y= 464,640.1 X= 624,260.3 LAT.= 32.276772°N LONG.= 103.931276°W FIRST TAKE POINT NAD 27 NME Y= 462,671.6 X= 624,425.9 LAT.= 32.271360°N LONG.= 103.930764°W KICK OFF POINT NAD 27 NME Y= 464,561.3 X= 665,600.7 LAT.= 32.276513°N LONG.= 103.931259°W KICK OFF POINT NAD 83 NME Y= 464,501.9 X= 624,417.7 LAT.= 32.276391°N LONG.= 103.930768°W	SEC. 36 T23S R29E NAD 27 NME SURFACE LOCATION Y= 464,640.1 X= 624,260.3 LAT.= 32.276772°N LONG.= 103.931276°W FIRST TAKE POINT NAD 27 NME Y= 462,671.6 X= 624,425.9 LAT.= 32.271360°N LONG.= 103.930764°W KICK OFF POINT NAD 27 NME Y= 464,561.3 X= 665,600.7 LAT.= 32.276513°N LONG.= 103.931259°W KICK OFF POINT NAD 83 NME Y= 464,501.9 X= 624,417.7 LAT.= 32.276391°N LONG.= 103.930768°W

Intent ☐ As Drilled ☒

API # 30-015-44393			
Operator Name: XTO Energy, Inc.		Property Name: Remuda South 25 State	Well Number 128H

Kick Off Point (KOP)

UL H	Section 25	Township 23S	Range 29E	Lot	Feet 2418	From N/S North	Feet 518	From E/W East	County Eddy
Latitude 32.276513					Longitude 103.931259				NAD 83

First Take Point (FTP)

UL P	Section 25	Township 23S	Range 29E	Lot	Feet 1062	From N/S South	Feet 517	From E/W East	County Eddy
Latitude 32.271482					Longitude 103.931255				NAD 83

Last Take Point (LTP)

UL P	Section 36	Township 23S	Range 29E	Lot	Feet 342	From N/S South	Feet 528	From E/W East	County Eddy
Latitude 32.254886					Longitude 103.931273				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ No

Is this well an infill well? ☐ Yes

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

API # 30-015-44391			
Operator Name: XTO Energy, Inc.		Property Name: Remuda South 25 State	Well Number 166H

KZ 06/29/2018



XTO ENERGY, INC.

Eddy County, NM

Sec 25, T23S, R29E

Remuda South 25 State 128H

Wellbore #1

Design: Wellbore #1

QES Survey Certification Report

11 October, 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-191387	10/16/2019

Lease	Well Name	County & State
Sec 25, T23S, R29E	Remuda South 25 State #128H	Converse, Wyoming

API No.	Survey Depth Range	Survey Type
30-015-44393	151 feet to 18406 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Click here to enter text.	Chris Rodriguez

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



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 128H		
Well Position	+N/-S	0.0 usft	Northing: 464,640.10 usft
	+E/-W	0.0 usft	Easting: 624,260.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 36.381 N
		Longitude:	103° 55' 52.593 W
		Ground Level:	3,093.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/13/2019	6.93	60.00	47,896.50000000

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	178.73

Survey Program	Date	10/11/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
151.0	18,406.0	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	0.0	0.00
151.0	1.00	177.20	151.0	-1.3	0.1	1.3	177.20	
First MWD Survey @ 151.0'MD / 151.0' TVD								
243.0	1.10	188.10	243.0	-3.0	0.0	3.0	180.40	
325.0	1.40	181.10	325.0	-4.8	-0.2	4.8	181.81	
394.0	1.93	184.79	393.9	-6.8	-0.3	6.8	182.23	
486.0	2.02	183.56	485.9	-9.9	-0.5	9.9	182.85	
578.0	2.02	180.04	577.8	-13.2	-0.6	13.2	182.59	
671.0	1.76	195.51	670.8	-16.2	-1.0	16.2	183.46	
763.0	2.02	197.79	762.7	-19.1	-1.9	19.2	185.54	
855.0	1.58	199.38	854.7	-21.8	-2.8	22.0	187.23	
950.0	0.88	184.79	949.6	-23.8	-3.3	24.0	187.81	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 (°)	
1,045.0	0.97	183.38	1,044.6	-25.3	-3.4	25.6	187.58	
1,139.0	0.62	130.82	1,138.6	-26.5	-3.0	26.6	186.54	
1,235.0	0.35	102.70	1,234.6	-26.9	-2.4	27.0	185.01	
1,329.0	0.44	97.95	1,328.6	-27.0	-1.7	27.0	183.64	
1,423.0	0.44	108.67	1,422.6	-27.1	-1.0	27.2	182.15	
1,518.0	0.62	114.12	1,517.6	-27.5	-0.2	27.5	180.42	
1,613.0	0.79	108.67	1,612.6	-27.9	0.9	27.9	178.18	
1,708.0	0.97	114.65	1,707.6	-28.4	2.2	28.5	175.50	
1,803.0	0.88	84.94	1,802.6	-28.7	3.7	28.9	172.66	
1,897.0	0.97	71.93	1,896.6	-28.4	5.2	28.9	169.68	
1,992.0	1.06	81.60	1,991.6	-28.0	6.8	28.8	166.35	
2,087.0	1.23	75.45	2,086.5	-27.6	8.7	29.0	162.60	
2,179.0	1.32	79.85	2,178.5	-27.2	10.7	29.2	158.60	
2,272.0	1.41	72.99	2,271.5	-26.7	12.8	29.6	154.35	
2,367.0	1.14	71.06	2,366.5	-26.0	14.8	29.9	150.34	
2,461.0	1.14	67.72	2,460.4	-25.4	16.6	30.3	146.84	
2,556.0	1.23	74.22	2,555.4	-24.7	18.4	30.8	143.31	
2,651.0	0.70	89.16	2,650.4	-24.4	20.0	31.6	140.73	
2,745.0	0.35	107.09	2,744.4	-24.5	20.8	32.2	139.64	
2,840.0	0.62	120.27	2,839.4	-24.9	21.6	32.9	139.07	
2,935.0	1.06	138.56	2,934.4	-25.8	22.6	34.3	138.78	
3,029.0	1.58	141.54	3,028.4	-27.4	24.0	36.4	138.88	
3,124.0	1.93	144.71	3,123.3	-29.8	25.7	39.3	139.20	
3,135.0	2.02	142.60	3,134.3	-30.1	25.9	39.7	139.24	
3,277.0	1.93	145.06	3,276.2	-34.0	28.8	44.6	139.74	
3,371.0	2.02	143.83	3,370.2	-36.7	30.7	47.8	140.06	
3,465.0	2.20	142.42	3,464.1	-39.4	32.8	51.3	140.27	
3,560.0	2.90	133.80	3,559.0	-42.5	35.6	55.5	140.06	
3,655.0	4.13	122.74	3,653.8	-46.1	40.2	61.2	138.86	
3,749.0	5.01	118.69	3,747.5	-49.9	46.7	68.3	136.88	
3,844.0	5.01	117.81	3,842.2	-53.8	54.0	76.2	134.89	
3,938.0	5.54	121.51	3,935.8	-58.1	61.5	84.6	133.36	
4,032.0	5.89	129.06	4,029.3	-63.5	69.1	93.8	132.57	
4,126.0	5.98	130.47	4,122.8	-69.7	76.6	103.5	132.31	
4,220.0	5.89	131.00	4,216.3	-76.0	83.9	113.3	132.17	
4,314.0	5.89	129.42	4,309.8	-82.3	91.3	122.9	132.02	
4,409.0	6.07	128.18	4,404.3	-88.5	99.0	132.8	131.78	
4,503.0	6.33	127.66	4,497.7	-94.7	107.0	142.9	131.50	
4,597.0	6.51	135.39	4,591.2	-101.7	114.9	153.4	131.51	
4,691.0	6.77	143.48	4,684.5	-109.9	121.9	164.1	132.04	
4,786.0	6.77	141.54	4,778.9	-118.8	128.7	175.2	132.70	
4,880.0	6.68	140.14	4,872.2	-127.3	135.7	186.1	133.18	
4,974.0	5.45	141.72	4,965.7	-135.0	141.9	195.9	133.57	
5,069.0	3.61	147.87	5,060.4	-141.1	146.3	203.3	133.96	



QES
QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 (°)	
5,164.0	1.67	154.38	5,155.3	-144.9	148.5	207.5	134.29	
5,259.0	0.70	143.83	5,250.3	-146.6	149.5	209.4	134.45	
5,353.0	0.70	53.83	5,344.3	-146.7	150.3	210.0	134.32	
5,447.0	1.06	27.46	5,438.2	-145.6	151.1	209.9	133.94	
5,542.0	0.97	28.17	5,533.2	-144.1	151.9	209.4	133.49	
5,637.0	1.06	18.15	5,628.2	-142.6	152.6	208.8	133.06	
5,732.0	0.97	19.55	5,723.2	-141.0	153.1	208.1	132.64	
5,826.0	1.06	12.34	5,817.2	-139.4	153.6	207.4	132.23	
5,921.0	1.14	13.75	5,912.2	-137.6	154.0	206.5	131.79	
6,016.0	1.06	13.75	6,007.2	-135.8	154.4	205.7	131.34	
6,110.0	0.97	15.16	6,101.1	-134.2	154.8	204.9	130.93	
6,205.0	0.88	10.06	6,196.1	-132.7	155.2	204.2	130.55	
6,299.0	0.79	17.09	6,290.1	-131.4	155.5	203.6	130.20	
6,394.0	0.70	10.06	6,385.1	-130.2	155.8	203.0	129.89	
6,489.0	0.35	226.27	6,480.1	-129.8	155.7	202.7	129.83	
6,583.0	0.88	212.56	6,574.1	-130.6	155.1	202.8	130.11	
6,677.0	0.79	206.76	6,668.1	-131.8	154.4	203.0	130.49	
6,773.0	0.88	207.29	6,764.1	-133.1	153.8	203.3	130.88	
6,867.0	0.97	201.49	6,858.1	-134.5	153.1	203.8	131.29	
6,960.0	0.97	199.38	6,951.1	-135.9	152.6	204.4	131.70	
7,055.0	1.06	202.54	7,046.0	-137.5	152.0	205.0	132.14	
7,150.0	1.14	206.23	7,141.0	-139.2	151.2	205.5	132.62	
7,243.0	1.14	204.12	7,234.0	-140.8	150.4	206.1	133.11	
7,338.0	0.44	218.89	7,329.0	-142.0	149.8	206.4	133.46	
7,432.0	0.26	197.79	7,423.0	-142.5	149.5	206.5	133.62	
7,544.0	0.62	190.06	7,535.0	-143.3	149.3	207.0	133.82	
7,698.0	0.32	217.87	7,689.0	-144.5	148.9	207.5	134.13	
7,791.0	0.49	224.56	7,782.0	-145.0	148.5	207.5	134.31	
7,885.0	1.13	287.32	7,876.0	-145.0	147.3	206.7	134.54	
7,979.0	1.36	286.43	7,970.0	-144.4	145.4	204.9	134.80	
8,073.0	0.97	257.62	8,063.9	-144.2	143.5	203.5	135.14	
8,166.0	0.77	230.57	8,156.9	-144.8	142.3	203.0	135.50	
8,261.0	2.45	34.43	8,251.9	-143.5	142.9	202.6	135.12	
8,355.0	0.06	188.53	8,345.9	-141.9	144.1	202.2	134.57	
8,449.0	0.59	50.95	8,439.9	-141.7	144.4	202.3	134.45	
8,543.0	0.85	80.41	8,533.9	-141.2	145.5	202.8	134.15	
8,636.0	1.06	84.97	8,626.9	-141.1	147.0	203.7	133.81	
8,731.0	1.64	92.66	8,721.8	-141.0	149.3	205.4	133.38	
8,824.0	1.71	85.09	8,814.8	-141.0	152.0	207.3	132.85	
8,918.0	2.00	49.20	8,908.7	-139.8	154.6	208.4	132.12	
9,011.0	2.36	63.48	9,001.7	-137.9	157.6	209.4	131.19	
9,105.0	0.76	70.10	9,095.6	-136.8	159.9	210.4	130.55	
9,199.0	0.67	186.81	9,189.6	-137.1	160.4	211.0	130.53	
9,293.0	0.84	206.16	9,283.6	-138.3	160.0	211.5	130.83	
9,388.0	1.02	177.72	9,378.6	-139.8	159.8	212.3	131.18	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 (°)	
9,481.0	0.43	294.13	9,471.6	-140.5	159.5	212.5	131.37	
9,576.0	1.09	280.67	9,566.6	-140.1	158.3	211.4	131.53	
9,671.0	0.72	280.54	9,661.6	-139.9	156.8	210.1	131.74	
9,764.0	1.13	222.75	9,754.6	-140.4	155.6	209.6	132.07	
9,859.0	1.15	11.12	9,849.6	-140.2	155.1	209.1	132.10	
9,952.0	1.11	34.83	9,942.5	-138.5	155.8	208.5	131.64	
9,975.0	0.90	37.88	9,965.5	-138.2	156.1	208.5	131.53	
10,061.0	1.63	114.15	10,051.5	-138.2	157.6	209.6	131.24	
10,108.0	6.89	199.04	10,098.4	-141.1	157.3	211.3	131.90	
10,155.0	13.29	200.95	10,144.7	-148.8	154.4	214.5	133.94	
10,202.0	19.20	200.47	10,189.8	-161.1	149.8	220.0	137.09	
10,250.0	24.95	201.87	10,234.2	-177.9	143.3	228.4	141.16	
10,297.0	26.82	200.32	10,276.5	-197.1	135.9	239.4	145.41	
10,344.0	29.98	191.24	10,317.9	-218.5	129.9	254.2	149.27	
10,391.0	37.18	186.28	10,357.0	-244.2	126.1	274.8	152.70	
10,436.0	41.65	184.34	10,391.8	-272.7	123.4	299.3	155.64	
10,483.0	44.91	182.93	10,426.0	-304.8	121.4	328.1	158.28	
10,530.0	47.48	177.95	10,458.5	-338.7	121.2	359.7	160.31	
10,577.0	48.39	176.40	10,490.0	-373.6	122.9	393.3	161.79	
10,625.0	51.08	175.46	10,521.0	-410.1	125.5	428.9	162.98	
10,719.0	57.82	177.69	10,575.6	-486.4	130.0	503.5	165.03	
10,813.0	64.79	179.55	10,620.8	-568.8	131.9	583.9	166.94	
10,907.0	71.52	178.51	10,655.7	-655.9	133.4	669.4	168.50	
11,001.0	78.87	178.08	10,679.7	-746.7	136.1	759.0	169.67	
11,095.0	84.08	176.67	10,693.7	-839.5	140.4	851.2	170.51	
11,190.0	87.56	176.30	10,700.6	-934.1	146.2	945.5	171.10	
11,284.0	90.28	179.28	10,702.3	-1,028.0	149.8	1,038.9	171.71	
11,379.0	90.73	180.42	10,701.5	-1,123.0	150.1	1,133.0	172.39	
11,473.0	88.46	178.83	10,702.2	-1,217.0	150.7	1,226.3	172.94	
11,568.0	87.15	178.75	10,705.8	-1,311.9	152.7	1,320.7	173.36	
11,661.0	89.64	178.15	10,708.4	-1,404.8	155.2	1,413.4	173.69	
11,755.0	89.86	177.70	10,708.8	-1,498.7	158.6	1,507.1	173.96	
11,850.0	90.00	177.96	10,708.9	-1,593.7	162.2	1,601.9	174.19	
11,944.0	90.45	179.05	10,708.6	-1,687.6	164.7	1,695.7	174.43	
12,039.0	88.10	180.25	10,709.8	-1,782.6	165.3	1,790.3	174.70	
12,133.0	88.32	179.69	10,712.7	-1,876.6	165.3	1,883.8	174.97	
12,228.0	88.66	179.97	10,715.2	-1,971.5	165.6	1,978.5	175.20	
12,321.0	87.73	179.88	10,718.1	-2,064.5	165.7	2,071.1	175.41	
12,416.0	87.70	181.49	10,721.9	-2,159.4	164.6	2,165.7	175.64	
12,510.0	90.64	182.01	10,723.3	-2,253.3	161.7	2,259.1	175.90	
12,603.0	90.42	181.80	10,722.4	-2,346.3	158.6	2,351.6	176.13	
12,697.0	89.22	181.67	10,722.7	-2,440.2	155.8	2,445.2	176.35	
12,791.0	87.73	181.62	10,725.2	-2,534.2	153.1	2,538.8	176.54	
12,885.0	89.10	180.22	10,727.8	-2,628.1	151.6	2,632.5	176.70	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 (°)	
12,979.0	91.99	179.20	10,726.9	-2,722.1	152.0	2,726.3	176.80	
13,074.0	92.83	178.41	10,722.9	-2,817.0	154.0	2,821.2	176.87	
13,169.0	91.71	179.15	10,719.2	-2,911.9	156.0	2,916.1	176.93	
13,263.0	91.68	178.58	10,716.4	-3,005.8	157.9	3,010.0	176.99	
13,357.0	91.99	180.52	10,713.4	-3,099.8	158.6	3,103.8	177.07	
13,451.0	90.48	179.30	10,711.4	-3,193.8	158.8	3,197.7	177.15	
13,545.0	89.19	178.59	10,711.6	-3,287.7	160.5	3,291.7	177.20	
13,638.0	89.83	178.74	10,712.4	-3,380.7	162.7	3,384.6	177.24	
13,733.0	87.48	178.47	10,714.7	-3,475.6	165.0	3,479.6	177.28	
13,826.0	87.17	179.21	10,719.0	-3,568.5	166.9	3,572.4	177.32	
13,920.0	87.96	179.81	10,723.0	-3,662.4	167.7	3,666.3	177.38	
14,015.0	88.85	180.36	10,725.6	-3,757.4	167.5	3,761.1	177.45	
14,108.0	88.63	179.12	10,727.7	-3,850.4	168.0	3,854.0	177.50	
14,202.0	89.97	179.78	10,728.8	-3,944.4	168.9	3,948.0	177.55	
14,295.0	91.18	181.37	10,727.9	-4,037.3	167.9	4,040.8	177.62	
14,389.0	92.07	180.79	10,725.2	-4,131.3	166.2	4,134.6	177.70	
14,483.0	93.87	180.89	10,720.4	-4,225.1	164.8	4,228.4	177.77	
14,577.0	91.85	181.04	10,715.7	-4,319.0	163.2	4,322.1	177.84	
14,672.0	89.61	180.28	10,714.5	-4,414.0	162.1	4,417.0	177.90	
14,766.0	89.24	180.48	10,715.4	-4,508.0	161.5	4,510.9	177.95	
14,860.0	89.75	179.83	10,716.2	-4,602.0	161.2	4,604.8	177.99	
14,955.0	90.11	179.10	10,716.3	-4,697.0	162.1	4,699.8	178.02	
15,050.0	90.31	178.52	10,716.0	-4,792.0	164.1	4,794.8	178.04	
15,144.0	89.83	180.01	10,715.9	-4,885.9	165.3	4,888.7	178.06	
15,238.0	89.22	180.01	10,716.7	-4,979.9	165.3	4,982.7	178.10	
15,332.0	88.66	180.22	10,718.4	-5,073.9	165.1	5,076.6	178.14	
15,427.0	90.25	179.39	10,719.3	-5,168.9	165.4	5,171.6	178.17	
15,522.0	90.39	178.79	10,718.8	-5,263.9	166.9	5,266.5	178.18	
15,616.0	89.81	179.45	10,718.6	-5,357.9	168.4	5,360.5	178.20	
15,711.0	89.52	177.82	10,719.2	-5,452.9	170.6	5,455.5	178.21	
15,805.0	89.94	177.98	10,719.6	-5,546.8	174.1	5,549.5	178.20	
15,899.0	90.84	178.44	10,719.0	-5,640.7	177.0	5,643.5	178.20	
15,994.0	88.49	178.95	10,719.5	-5,735.7	179.2	5,738.5	178.21	
16,090.0	88.80	178.45	10,721.8	-5,831.7	181.4	5,834.5	178.22	
16,185.0	89.47	177.24	10,723.2	-5,926.6	184.9	5,929.5	178.21	
16,279.0	90.14	178.56	10,723.6	-6,020.5	188.4	6,023.5	178.21	
16,373.0	89.38	180.51	10,723.9	-6,114.5	189.1	6,117.4	178.23	
16,468.0	88.52	182.31	10,725.7	-6,209.4	186.8	6,212.3	178.28	
16,559.0	89.19	182.51	10,727.5	-6,300.4	183.0	6,303.0	178.34	
16,654.0	89.19	180.61	10,728.8	-6,395.3	180.4	6,397.8	178.38	
16,748.0	89.24	180.17	10,730.1	-6,489.3	179.7	6,491.8	178.41	
16,843.0	90.73	180.48	10,730.2	-6,584.3	179.2	6,586.7	178.44	
16,937.0	91.34	179.97	10,728.5	-6,678.3	178.8	6,680.7	178.47	
17,030.0	91.18	179.41	10,726.4	-6,771.2	179.3	6,773.6	178.48	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Well:	Remuda South 25 State 128H	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 (°)	
17,124.0	92.30	179.58	10,723.6	-6,865.2	180.2	6,867.6	178.50	
17,217.0	91.34	179.96	10,720.6	-6,958.1	180.5	6,960.5	178.51	
17,310.0	89.55	181.36	10,719.9	-7,051.1	179.5	7,053.4	178.54	
17,405.0	89.27	181.54	10,720.9	-7,146.1	177.1	7,148.3	178.58	
17,499.0	90.08	181.29	10,721.4	-7,240.1	174.7	7,242.2	178.62	
17,594.0	88.85	180.92	10,722.3	-7,335.0	172.9	7,337.1	178.65	
17,688.0	90.64	180.70	10,722.7	-7,429.0	171.6	7,431.0	178.68	
17,782.0	91.04	180.49	10,721.3	-7,523.0	170.6	7,524.9	178.70	
17,876.0	88.99	179.46	10,721.3	-7,617.0	170.6	7,618.9	178.72	
17,970.0	89.05	179.15	10,722.9	-7,711.0	171.8	7,712.9	178.72	
18,064.0	88.26	177.52	10,725.1	-7,804.9	174.5	7,806.9	178.72	
18,159.0	88.24	177.49	10,728.0	-7,899.8	178.7	7,901.8	178.70	
18,253.0	91.12	178.51	10,728.5	-7,993.7	181.9	7,995.8	178.70	
18,357.0	90.78	177.86	10,726.8	-8,097.6	185.2	8,099.8	178.69	
18,406.0	90.78	177.86	10,726.1	-8,146.6	187.1	8,148.8	178.68	
TD @ 18406.0' MD / 10726.1' TVD								

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
151.0	151.0	-1.3	0.1	First MWD Survey @ 151.0'MD / 151.0' TVD	
18,406.0	10,726.1	-8,146.6	187.1	TD @ 18406.0' MD / 10726.1' TVD	