

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: Oil Well ☐ Gas Well ☒ Other		WELL API NO. 30-015-44393
2. Name of Operator XTO ENERGY, INC		5. Indicate Type of Lease STATE ☒ FEE ☐
3. Address of Operator 6401 HOLIDAY HILL RD, BLDG 5, MIDLAND TX 79705		6. State Oil & Gas Lease No. STATE
4. Well Location Unit Letter <u>H</u> : <u>2280</u> feet from the <u>NORTH</u> line and <u>675</u> feet from the <u>EAST</u> line Section <u>25</u> Township <u>23S</u> Range <u>29E</u> NMPM County <u>EDDY</u>		7. Lease Name or Unit Agreement Name REMUDA SOUTH 25 STATE
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3093' GL		8. Well Number 127H
		9. OGRID Number 5380
		10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy, Inc requests permission to make the following changes:

- Change the name from Remuda South 25 State 127H to Remuda South 25 State 128H.
- Change BHL from 200'FSL & 990'FEL to 200'FSL & 530'FEL.
- Change the drilling program per the attached procedure.

RECEIVED

AUG 06 2019

DISTRICT II-ARTESIA O.C.D.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kelly Kardos TITLE Regulatory Coordinator DATE 7/31/19

Type or print name Kelly Kardos E-mail address: kelly_kardos@xtoenergy.com PHONE: 432-620-4374

For State Use Only

APPROVED BY: Raymond M. Delany TITLE Geologist DATE 10-27-19
Conditions of Approval (if any):

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

RECEIVED
AUG 06 2019
DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44393	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	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		200	SOUTH	530	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.

¹⁶	GEODETIC COORDINATES 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= 463,928.6 X= 624,407.7 LAT.= 32.274815°N LONG.= 103.930807°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 LAST TAKE POINT NAD 27 NME Y= 456,622.5 X= 624,440.2 LAT.= 32.254731°N LONG.= 103.930791°W BOTTOM HOLE LOCATION NAD 27 NME Y= 456,492.5 X= 624,440.8 LAT.= 32.254373°N LONG.= 103.930791°W	GEODETIC COORDINATES 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= 463,988.0 X= 665,590.7 LAT.= 32.274937°N LONG.= 103.931298°W 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= 456,681.7 X= 665,623.4 LAT.= 32.254854°N LONG.= 103.931281°W BOTTOM HOLE LOCATION NAD 83 NME Y= 456,551.7 X= 665,624.0 LAT.= 32.254496°N LONG.= 103.931281°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. Kelly Kardos 7/31/19 Signature Date Kelly Kardos Printed Name kelly_kardos@xtoenergy.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. 05-17-2019 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AW 2019010058		
	P:\PROJECTS\2019\2019010058-XTO-REMUDA_SOUTH_25_STATE_128H-EDDY\DWG\2019010058-XTO-REMUDA_SOUTH_25_STATE_128H_C-102.dwg, 5/17/2019 12:26:29 PM, Adobe PDF		

RVP 10-29-19

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 2280	From N/S NORTH	Feet 675	From E/W EAST	County EDDY
Latitude 32.276895					Longitude -103.931766				NAD NAD83

First Take Point (FTP)

UL I	Section 25	Township 23S	Range 29E	Lot	Feet 2319	From N/S SOUTH	Feet 530	From E/W EAST	County EDDY
Latitude 32.274937					Longitude -103.931298				NAD NAD83

Last Take Point (LTP)

UL P	Section 36	Township 23S	Range 29E	Lot	Feet 330	From N/S SOUTH	Feet 530	From E/W EAST	County EDDY
Latitude 32.254854					Longitude -103.931281				NAD NAD83

Is this well the defining well for the Horizontal Spacing Unit? ☐ N

Is this well an infill well? ☐ Y

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 36			Well Number 166H		

KZ 06/29/2018



XTO ENERGY, INC.

Eddy County, NM

Sec 25, T23S, R29E

Remuda South 25 State 128H

Wellbore #1

Plan: Design #2

QES Well Planning Report

01 August, 2019





Well Planning Report



Database: EDM 5000.1 Single User Db
Company: XTO ENERGY, INC.
Project: Eddy County, NM
Site: Sec 25, T23S, R29E
Well: Remuda South 25 State 128H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Remuda South 25 State 128H
TVD Reference: RKB @ 3116.0usft (Nabors M7507)
MD Reference: RKB @ 3116.0usft (Nabors M7507)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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' 52.295 W
		Grid Convergence:	0.21 °

Well	Remuda South 25 State 128H		
Well Position	+N/-S	0.2 usft	Northing: 464,640.10 usft
	+E/-W	60.3 usft	Easting: 624,260.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	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	6/11/2019	6.95	60.02	47,924.50000000

Design	Design #2			
Audit Notes:				
Version:	Phase:	PLAN	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

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,771.5	4.07	145.73	3,771.3	-8.0	5.4	1.50	1.50	0.00	145.73	
5,805.3	4.07	145.73	5,800.0	-127.4	86.8	0.00	0.00	0.00	0.00	
6,212.6	0.00	0.00	6,206.9	-139.3	94.9	1.00	-1.00	0.00	180.00	
10,143.2	0.00	0.00	10,137.5	-139.3	94.9	0.00	0.00	0.00	0.00	KOP - Remuda Sol
10,593.2	45.00	165.00	10,542.6	-301.4	138.3	10.00	10.00	0.00	165.00	
11,076.6	89.88	185.30	10,725.0	-733.1	161.7	10.00	9.28	4.20	27.67	
11,354.1	89.88	179.75	10,725.6	-1,010.2	149.4	2.00	0.00	-2.00	-89.96	
18,491.1	89.88	179.75	10,740.0	-8,147.1	180.5	0.00	0.00	0.00	0.00	PBHL - Remuda Sc



Well Planning Report



Database: EDM 5000.1 Single User Db
 Company: XTO ENERGY, INC.
 Project: Eddy County, NM
 Site: Sec 25, T23S, R29E
 Well: Remuda South 25 State 128H
 Wellbore: Wellbore #1
 Design: Design #2

Local Co-ordinate Reference: Well Remuda South 25 State 128H
 TVD Reference: RKB @ 3116.0usft (Nabors M7507)
 MD Reference: RKB @ 3116.0usft (Nabors M7507)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler Anh.									
249.0	0.00	0.00	249.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Rustler Anh.									
339.0	0.00	0.00	339.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado Sh. Lm.									
366.0	0.00	0.00	366.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
Est. Top of Salt									
465.0	0.00	0.00	465.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Salt									
3,056.0	0.00	0.00	3,056.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
Lamar Lm. (Del Mtn Grp.)									
3,343.0	0.00	0.00	3,343.0	0.0	0.0	0.0	0.00	0.00	0.00
Bell Canyon Ss.									
3,363.0	0.00	0.00	3,363.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 1.5°/100'									
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	1.50	145.73	3,600.0	-1.1	0.7	1.1	1.50	1.50	0.00
3,700.0	3.00	145.73	3,699.9	-4.3	2.9	4.4	1.50	1.50	0.00



Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Company:	XTO ENERGY, INC.	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Project:	Eddy County, NM	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	North Reference:	Grid
Well:	Remuda South 25 State 128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
EOB @ 4.07° Inc. / 145.73° Azm									
3,771.5	4.07	145.73	3,771.3	-8.0	5.4	8.1	1.50	1.50	0.00
3,800.0	4.07	145.73	3,799.7	-9.6	6.6	9.8	0.00	0.00	0.00
3,900.0	4.07	145.73	3,899.4	-15.5	10.6	15.7	0.00	0.00	0.00
4,000.0	4.07	145.73	3,999.2	-21.4	14.6	21.7	0.00	0.00	0.00
4,100.0	4.07	145.73	4,098.9	-27.3	18.6	27.7	0.00	0.00	0.00
Cherry Canyon Ss.									
4,190.3	4.07	145.73	4,189.0	-32.6	22.2	33.0	0.00	0.00	0.00
4,200.0	4.07	145.73	4,198.7	-33.1	22.6	33.6	0.00	0.00	0.00
4,300.0	4.07	145.73	4,298.4	-39.0	26.6	39.6	0.00	0.00	0.00
4,400.0	4.07	145.73	4,398.2	-44.9	30.6	45.5	0.00	0.00	0.00
4,500.0	4.07	145.73	4,497.9	-50.7	34.6	51.5	0.00	0.00	0.00
4,600.0	4.07	145.73	4,597.7	-56.6	38.6	57.4	0.00	0.00	0.00
4,700.0	4.07	145.73	4,697.4	-62.5	42.6	63.4	0.00	0.00	0.00
4,800.0	4.07	145.73	4,797.2	-68.3	46.6	69.4	0.00	0.00	0.00
4,900.0	4.07	145.73	4,896.9	-74.2	50.6	75.3	0.00	0.00	0.00
5,000.0	4.07	145.73	4,996.7	-80.1	54.6	81.3	0.00	0.00	0.00
5,100.0	4.07	145.73	5,096.4	-86.0	58.6	87.2	0.00	0.00	0.00
5,200.0	4.07	145.73	5,196.2	-91.8	62.6	93.2	0.00	0.00	0.00
5,300.0	4.07	145.73	5,295.9	-97.7	66.6	99.1	0.00	0.00	0.00
5,400.0	4.07	145.73	5,395.7	-103.6	70.6	105.1	0.00	0.00	0.00
5,500.0	4.07	145.73	5,495.4	-109.4	74.6	111.1	0.00	0.00	0.00
5,600.0	4.07	145.73	5,595.2	-115.3	78.6	117.0	0.00	0.00	0.00
5,700.0	4.07	145.73	5,694.9	-121.2	82.6	123.0	0.00	0.00	0.00
5,800.0	4.07	145.73	5,794.6	-127.0	86.6	128.9	0.00	0.00	0.00
Drop 1°/100'									
5,805.3	4.07	145.73	5,800.0	-127.4	86.8	129.2	0.00	0.00	0.00
Brushy Canyon Ss.									
5,818.4	3.94	145.73	5,813.0	-128.1	87.3	130.0	1.00	-1.00	0.00
5,900.0	3.13	145.73	5,894.4	-132.3	90.1	134.2	1.00	-1.00	0.00
6,000.0	2.13	145.73	5,994.3	-136.1	92.7	138.1	1.00	-1.00	0.00
6,100.0	1.13	145.73	6,094.3	-138.4	94.3	140.4	1.00	-1.00	0.00
6,200.0	0.13	145.73	6,194.3	-139.3	94.9	141.4	1.00	-1.00	0.00
EOD @ Vert.									
6,212.6	0.00	0.00	6,206.9	-139.3	94.9	141.4	1.00	-1.00	0.00
6,300.0	0.00	0.00	6,294.3	-139.3	94.9	141.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,394.3	-139.3	94.9	141.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,494.3	-139.3	94.9	141.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,594.3	-139.3	94.9	141.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,694.3	-139.3	94.9	141.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,794.3	-139.3	94.9	141.4	0.00	0.00	0.00
Lower Brushy Canyon Ss.									
6,839.7	0.00	0.00	6,834.0	-139.3	94.9	141.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,894.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,994.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,094.3	-139.3	94.9	141.4	0.00	0.00	0.00
Bone Spring Lm.									
7,113.7	0.00	0.00	7,108.0	-139.3	94.9	141.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,194.3	-139.3	94.9	141.4	0.00	0.00	0.00
Avalon Ss.									
7,209.7	0.00	0.00	7,204.0	-139.3	94.9	141.4	0.00	0.00	0.00
Bone Spg. Upper Avalon Lm.									
7,276.7	0.00	0.00	7,271.0	-139.3	94.9	141.4	0.00	0.00	0.00



Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Company:	XTO ENERGY, INC.	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Project:	Eddy County, NM	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	North Reference:	Grid
Well:	Remuda South 25 State 128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,300.0	0.00	0.00	7,294.3	-139.3	94.9	141.4	0.00	0.00	0.00
Bone Spg. Avalon Sh.									
7,360.7	0.00	0.00	7,355.0	-139.3	94.9	141.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,394.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,494.3	-139.3	94.9	141.4	0.00	0.00	0.00
Bone Spg. Lower Avalon Lm									
7,570.7	0.00	0.00	7,565.0	-139.3	94.9	141.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,594.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,694.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,794.3	-139.3	94.9	141.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,894.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,994.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,094.3	-139.3	94.9	141.4	0.00	0.00	0.00
First Bone Spring Ss.									
8,122.7	0.00	0.00	8,117.0	-139.3	94.9	141.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,194.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,294.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,394.3	-139.3	94.9	141.4	0.00	0.00	0.00
Second Bone Spring Lm.									
8,442.7	0.00	0.00	8,437.0	-139.3	94.9	141.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,494.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,594.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,694.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,794.3	-139.3	94.9	141.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,894.3	-139.3	94.9	141.4	0.00	0.00	0.00
Second Bone Spring Ss.									
8,953.7	0.00	0.00	8,948.0	-139.3	94.9	141.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,994.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,094.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,194.3	-139.3	94.9	141.4	0.00	0.00	0.00
Third Bone Spring Lm.									
9,265.7	0.00	0.00	9,260.0	-139.3	94.9	141.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,294.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,394.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,494.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,594.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,694.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,794.3	-139.3	94.9	141.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,894.3	-139.3	94.9	141.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,994.3	-139.3	94.9	141.4	0.00	0.00	0.00
Third Bone Spring Ss.									
10,042.7	0.00	0.00	10,037.0	-139.3	94.9	141.4	0.00	0.00	0.00
10,100.0	0.00	0.00	10,094.3	-139.3	94.9	141.4	0.00	0.00	0.00
Build 10°/100'									
10,143.2	0.00	0.00	10,137.5	-139.3	94.9	141.4	0.00	0.00	0.00
10,200.0	5.68	165.00	10,194.2	-142.0	95.6	144.1	10.00	10.00	0.00
10,300.0	15.68	165.00	10,292.3	-159.9	100.4	162.1	10.00	10.00	0.00
10,400.0	25.68	165.00	10,385.8	-194.0	109.6	196.3	10.00	10.00	0.00
Wolfcamp Sh.									
10,415.9	27.27	165.00	10,400.0	-200.8	111.4	203.2	10.00	10.00	0.00
Wolfcamp X Ss.									
10,424.9	28.17	165.00	10,408.0	-204.9	112.5	207.3	10.00	10.00	0.00



Well Planning Report



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Company: XTO ENERGY, INC.
Project: Eddy County, NM
Site: Sec 25, T23S, R29E
Well: Remuda South 25 State 128H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Remuda South 25 State 128H
TVD Reference: RKB @ 3116.0usft (Nabors M7507)
MD Reference: RKB @ 3116.0usft (Nabors M7507)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,500.0	35.68	165.00	10,471.7	-243.2	122.7	245.9	10.00	10.00	0.00
Wolfcamp Y Ss.									
10,511.6	36.84	165.00	10,481.0	-249.8	124.5	252.5	10.00	10.00	0.00
Wolfcamp A Sh.									
10,585.3	44.21	165.00	10,537.0	-296.0	136.9	299.0	10.00	10.00	0.00
EOB @ 45.00° Inc. / 165.00° Azm / Build 10°/100'									
10,593.2	45.00	165.00	10,542.6	-301.4	138.3	304.4	10.00	10.00	0.00
10,600.0	45.60	165.44	10,547.4	-306.1	139.6	309.1	10.00	8.87	6.50
10,700.0	54.63	171.06	10,611.5	-381.1	154.9	384.5	10.00	9.03	5.62
Wolfcamp A Sh. Lower									
10,725.8	57.00	172.30	10,626.0	-402.2	158.0	405.6	10.00	9.18	4.80
10,800.0	63.87	175.52	10,662.6	-466.4	164.8	469.9	10.00	9.26	4.35
10,900.0	73.23	179.33	10,699.1	-559.2	168.9	562.8	10.00	9.35	3.80
11,000.0	82.64	182.77	10,720.0	-656.9	167.0	660.4	10.00	9.42	3.44
EOB @ 89.88° Inc. / 185.30° Azm / Turn 2°/100'									
11,076.6	89.88	185.30	10,725.0	-733.1	161.7	736.5	10.00	9.44	3.30
11,100.0	89.88	184.83	10,725.1	-756.4	159.6	759.7	2.00	0.00	-2.00
11,200.0	89.88	182.83	10,725.3	-856.1	152.9	859.3	2.00	0.00	-2.00
11,300.0	89.88	180.83	10,725.5	-956.1	149.7	959.2	2.00	0.00	-2.00
EOT @ 89.88° Inc. / 179.75° Azm									
11,354.1	89.88	179.75	10,725.6	-1,010.2	149.4	1,013.3	2.00	0.00	-2.00
11,400.0	89.88	179.75	10,725.7	-1,056.1	149.6	1,059.1	0.00	0.00	0.00
11,500.0	89.88	179.75	10,725.9	-1,156.1	150.1	1,159.1	0.00	0.00	0.00
11,600.0	89.88	179.75	10,726.1	-1,256.1	150.5	1,259.1	0.00	0.00	0.00
11,700.0	89.88	179.75	10,726.3	-1,356.1	150.9	1,359.1	0.00	0.00	0.00
11,800.0	89.88	179.75	10,726.5	-1,456.1	151.4	1,459.1	0.00	0.00	0.00
11,900.0	89.88	179.75	10,726.7	-1,556.1	151.8	1,559.1	0.00	0.00	0.00
12,000.0	89.88	179.75	10,726.9	-1,656.1	152.2	1,659.0	0.00	0.00	0.00
12,100.0	89.88	179.75	10,727.1	-1,756.1	152.7	1,759.0	0.00	0.00	0.00
12,200.0	89.88	179.75	10,727.3	-1,856.1	153.1	1,859.0	0.00	0.00	0.00
12,300.0	89.88	179.75	10,727.5	-1,956.1	153.5	1,959.0	0.00	0.00	0.00
12,400.0	89.88	179.75	10,727.7	-2,056.1	154.0	2,059.0	0.00	0.00	0.00
12,500.0	89.88	179.75	10,727.9	-2,156.1	154.4	2,159.0	0.00	0.00	0.00
12,600.0	89.88	179.75	10,728.1	-2,256.1	154.9	2,258.9	0.00	0.00	0.00
12,700.0	89.88	179.75	10,728.3	-2,356.1	155.3	2,358.9	0.00	0.00	0.00
12,800.0	89.88	179.75	10,728.5	-2,456.1	155.7	2,458.9	0.00	0.00	0.00
12,900.0	89.88	179.75	10,728.7	-2,556.1	156.2	2,558.9	0.00	0.00	0.00
13,000.0	89.88	179.75	10,728.9	-2,656.1	156.6	2,658.9	0.00	0.00	0.00
13,100.0	89.88	179.75	10,729.1	-2,756.1	157.0	2,758.9	0.00	0.00	0.00
13,200.0	89.88	179.75	10,729.3	-2,856.1	157.5	2,858.9	0.00	0.00	0.00
13,300.0	89.88	179.75	10,729.5	-2,956.1	157.9	2,958.8	0.00	0.00	0.00
13,400.0	89.88	179.75	10,729.7	-3,056.1	158.3	3,058.8	0.00	0.00	0.00
13,500.0	89.88	179.75	10,729.9	-3,156.1	158.8	3,158.8	0.00	0.00	0.00
13,600.0	89.88	179.75	10,730.1	-3,256.1	159.2	3,258.8	0.00	0.00	0.00
13,700.0	89.88	179.75	10,730.3	-3,356.1	159.6	3,358.8	0.00	0.00	0.00
13,800.0	89.88	179.75	10,730.5	-3,456.1	160.1	3,458.8	0.00	0.00	0.00
13,900.0	89.88	179.75	10,730.7	-3,556.1	160.5	3,558.7	0.00	0.00	0.00
14,000.0	89.88	179.75	10,730.9	-3,656.1	161.0	3,658.7	0.00	0.00	0.00
14,100.0	89.88	179.75	10,731.1	-3,756.1	161.4	3,758.7	0.00	0.00	0.00
14,200.0	89.88	179.75	10,731.3	-3,856.1	161.8	3,858.7	0.00	0.00	0.00
14,300.0	89.88	179.75	10,731.5	-3,956.1	162.3	3,958.7	0.00	0.00	0.00
14,400.0	89.88	179.75	10,731.7	-4,056.1	162.7	4,058.7	0.00	0.00	0.00
14,500.0	89.88	179.75	10,731.9	-4,156.0	163.1	4,158.6	0.00	0.00	0.00



Well Planning Report



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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,600.0	89.88	179.75	10,732.1	-4,256.0	163.6	4,258.6	0.00	0.00	0.00
14,700.0	89.88	179.75	10,732.3	-4,356.0	164.0	4,358.6	0.00	0.00	0.00
14,800.0	89.88	179.75	10,732.5	-4,456.0	164.4	4,458.6	0.00	0.00	0.00
14,900.0	89.88	179.75	10,732.7	-4,556.0	164.9	4,558.6	0.00	0.00	0.00
15,000.0	89.88	179.75	10,733.0	-4,656.0	165.3	4,658.6	0.00	0.00	0.00
15,100.0	89.88	179.75	10,733.2	-4,756.0	165.7	4,758.5	0.00	0.00	0.00
15,200.0	89.88	179.75	10,733.4	-4,856.0	166.2	4,858.5	0.00	0.00	0.00
15,300.0	89.88	179.75	10,733.6	-4,956.0	166.6	4,958.5	0.00	0.00	0.00
15,400.0	89.88	179.75	10,733.8	-5,056.0	167.0	5,058.5	0.00	0.00	0.00
15,500.0	89.88	179.75	10,734.0	-5,156.0	167.5	5,158.5	0.00	0.00	0.00
15,600.0	89.88	179.75	10,734.2	-5,256.0	167.9	5,258.5	0.00	0.00	0.00
15,700.0	89.88	179.75	10,734.4	-5,356.0	168.4	5,358.5	0.00	0.00	0.00
15,800.0	89.88	179.75	10,734.6	-5,456.0	168.8	5,458.4	0.00	0.00	0.00
15,900.0	89.88	179.75	10,734.8	-5,556.0	169.2	5,558.4	0.00	0.00	0.00
16,000.0	89.88	179.75	10,735.0	-5,656.0	169.7	5,658.4	0.00	0.00	0.00
16,100.0	89.88	179.75	10,735.2	-5,756.0	170.1	5,758.4	0.00	0.00	0.00
16,200.0	89.88	179.75	10,735.4	-5,856.0	170.5	5,858.4	0.00	0.00	0.00
16,300.0	89.88	179.75	10,735.6	-5,956.0	171.0	5,958.4	0.00	0.00	0.00
16,400.0	89.88	179.75	10,735.8	-6,056.0	171.4	6,058.3	0.00	0.00	0.00
16,500.0	89.88	179.75	10,736.0	-6,156.0	171.8	6,158.3	0.00	0.00	0.00
16,600.0	89.88	179.75	10,736.2	-6,256.0	172.3	6,258.3	0.00	0.00	0.00
16,700.0	89.88	179.75	10,736.4	-6,356.0	172.7	6,358.3	0.00	0.00	0.00
16,800.0	89.88	179.75	10,736.6	-6,456.0	173.1	6,458.3	0.00	0.00	0.00
16,900.0	89.88	179.75	10,736.8	-6,556.0	173.6	6,558.3	0.00	0.00	0.00
17,000.0	89.88	179.75	10,737.0	-6,656.0	174.0	6,658.2	0.00	0.00	0.00
17,100.0	89.88	179.75	10,737.2	-6,756.0	174.4	6,758.2	0.00	0.00	0.00
17,200.0	89.88	179.75	10,737.4	-6,856.0	174.9	6,858.2	0.00	0.00	0.00
17,300.0	89.88	179.75	10,737.6	-6,956.0	175.3	6,958.2	0.00	0.00	0.00
17,400.0	89.88	179.75	10,737.8	-7,056.0	175.8	7,058.2	0.00	0.00	0.00
17,500.0	89.88	179.75	10,738.0	-7,156.0	176.2	7,158.2	0.00	0.00	0.00
17,600.0	89.88	179.75	10,738.2	-7,256.0	176.6	7,258.1	0.00	0.00	0.00
17,700.0	89.88	179.75	10,738.4	-7,356.0	177.1	7,358.1	0.00	0.00	0.00
17,800.0	89.88	179.75	10,738.6	-7,456.0	177.5	7,458.1	0.00	0.00	0.00
17,900.0	89.88	179.75	10,738.8	-7,556.0	177.9	7,558.1	0.00	0.00	0.00
18,000.0	89.88	179.75	10,739.0	-7,656.0	178.4	7,658.1	0.00	0.00	0.00
18,100.0	89.88	179.75	10,739.2	-7,756.0	178.8	7,758.1	0.00	0.00	0.00
18,200.0	89.88	179.75	10,739.4	-7,856.0	179.2	7,858.0	0.00	0.00	0.00
18,300.0	89.88	179.75	10,739.6	-7,956.0	179.7	7,958.0	0.00	0.00	0.00
18,400.0	89.88	179.75	10,739.8	-8,056.0	180.1	8,058.0	0.00	0.00	0.00
TD @ 18491.1' MD / 10740.0' TVD									
18,491.1	89.88	179.75	10,740.0	-8,147.1	180.5	8,149.1	0.00	0.00	0.00



Well Planning Report



Database: EDM 5000.1 Single User Db
Company: XTO ENERGY, INC.
Project: Eddy County, NM
Site: Sec 25, T23S, R29E
Well: Remuda South 25 State 128H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Remuda South 25 State 128H
TVD Reference: RKB @ 3116.0usft (Nabors M7507)
MD Reference: RKB @ 3116.0usft (Nabors M7507)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP - Remuda South	0.00	0.00	10,137.5	-139.3	94.9	464,500.79	624,355.21	32° 16' 34.998 N	103° 55' 51.494 W
- plan hits target center									
- Point									
KOP - Remuda South	0.00	0.00	10,149.0	-139.3	144.9	464,500.79	624,405.21	32° 16' 34.997 N	103° 55' 50.911 W
- plan misses target center by 50.0usft at 10155.3usft MD (10149.6 TVD, -139.4 N, 94.9 E)									
- Point									
FTP - Shifted - D#2	0.00	0.00	10,725.0	-711.1	167.4	463,929.00	624,427.70	32° 16' 29.337 N	103° 55' 50.674 W
- plan misses target center by 3.9usft at 11054.3usft MD (10724.6 TVD, -710.9 N, 163.6 E)									
- Point									
FTP - Remuda South	0.00	0.00	10,725.0	-711.1	147.4	463,929.00	624,407.70	32° 16' 29.338 N	103° 55' 50.907 W
- plan misses target center by 16.1usft at 11055.7usft MD (10724.6 TVD, -712.3 N, 163.5 E)									
- Point									
PBHL - Remuda Sout	0.00	0.01	10,740.0	-8,147.1	180.5	456,493.00	624,440.80	32° 15' 15.750 N	103° 55' 50.846 W
- plan hits target center									
- Point									
LTP - Remuda South	0.00	0.00	11,412.0	-8,017.6	179.9	456,622.50	624,440.20	32° 15' 17.031 N	103° 55' 50.848 W
- plan misses target center by 672.3usft at 18363.0usft MD (10739.7 TVD, -8019.0 N, 179.9 E)									
- Point									



Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Remuda South 25 State 128H
Company:	XTO ENERGY, INC.	TVD Reference:	RKB @ 3116.0usft (Nabors M7507)
Project:	Eddy County, NM	MD Reference:	RKB @ 3116.0usft (Nabors M7507)
Site:	Sec 25, T23S, R29E	North Reference:	Grid
Well:	Remuda South 25 State 128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
249.0	249.0	Rustler Anh.		0.00	
339.0	339.0	Base Rustler Anh.		0.00	
366.0	366.0	Salado Sh. Lm.		0.00	
465.0	465.0	Est. Top of Salt		0.00	
3,056.0	3,056.0	Base Salt		0.00	
3,343.0	3,343.0	Lamar Lm. (Del Mtn Grp.)		0.00	
3,363.0	3,363.0	Bell Canyon Ss.		0.00	
4,190.3	4,189.0	Cherry Canyon Ss.		0.00	
5,818.4	5,813.0	Brushy Canyon Ss.		0.00	
6,839.7	6,834.0	Lower Brushy Canyon Ss.		0.00	
7,113.7	7,108.0	Bone Spring Lm.		0.00	
7,209.7	7,204.0	Avalon Ss.		0.00	
7,276.7	7,271.0	Bone Spg. Upper Avalon Lm.		0.00	
7,360.7	7,355.0	Bone Spg. Avalon Sh.		0.00	
7,570.7	7,565.0	Bone Spg. Lower Avalon Lm		0.00	
8,122.7	8,117.0	First Bone Spring Ss.		0.00	
8,442.7	8,437.0	Second Bone Spring Lm.		0.00	
8,953.7	8,948.0	Second Bone Spring Ss.		0.00	
9,265.7	9,260.0	Third Bone Spring Lm.		0.00	
10,042.7	10,037.0	Third Bone Spring Ss.		0.00	
10,415.9	10,400.0	Wolfcamp Sh.		0.00	
10,424.9	10,408.0	Wolfcamp X Ss.		0.00	
10,511.6	10,481.0	Wolfcamp Y Ss.		0.00	
10,585.3	10,537.0	Wolfcamp A Sh.		0.00	
10,725.8	10,626.0	Wolfcamp A Sh. Lower		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,500.0	3,500.0	0.0	0.0	Build 1.5°/100'
3,771.5	3,771.3	-8.0	5.4	EOB @ 4.07° Inc. / 145.73° Azm
5,805.3	5,800.0	-127.4	86.8	Drop 1°/100'
6,212.6	6,206.9	-139.3	94.9	EOD @ Vert.
10,143.2	10,137.5	-139.3	94.9	Build 10°/100'
10,593.2	10,542.6	-301.4	138.3	EOB @ 45.00° Inc. / 165.00° Azm / Build 10°/100'
11,076.6	10,725.0	-733.1	161.7	EOB @ 89.88° Inc. / 185.30° Azm / Turn 2°/100'
11,354.1	10,725.6	-1,010.2	149.4	EOT @ 89.88° Inc. / 179.75° Azm
18,491.1	10,740.0	-8,147.1	180.5	TD @ 18491.1' MD / 10740.0' TVD

Remuda South 25 State 128H

KB 3116		Deepest TVD	10750	KOP		10145	End of Curve		11045	Measured depth		18490
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Skc Cement	TOC
Surface	FW/Native	8.3 - 9.0	20	16	H40 STC	64	0	350	90	275	365	0
1st Intermediate	Brine	9.8 - 10.3	14.75	11.75	H40 STC	42	0	3206	1062	168	1230	0
2nd Intermediate	FW/Cut Brine	8.7 - 9.7	10.625	8.625	J-55 LTC	32	0	7615	1021	75	1097	0
Production	Cut Brine/OBM	10.0	7.875	5.5	P110 BTC	20	0	18490	234	1115	1349	7115

Max Expected Surface Pressure

3225

BOP

10M Double Ram BOP

Test Pressure 10000

Total Vertical Section

7445

Contingencies

1. DV tool may be set in 2nd intermediate between 3256'-3400'

2. XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the NMOCD to skid the rig to drill the remaining wells on the pad.