

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. 30-015-44312
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>J</u> : <u>2280</u> feet from the <u>SOUTH</u> line and <u>1964</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 NORTH 25 STATE
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3059' GL		8. Well Number 906H
		9. OGRID Number 5380
		10. Pool name or Wildcat Nash Draw; Delaware BS, Avalon Sand

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 revise the drilling program per the attached.....

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 05 2019

RECEIVED

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 09/04/19

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

For State Use Only

APPROVED BY Raymond W. Todary TITLE Geologist DATE 10-28-19
Conditions of Approval (if any):

Submit 1 Copy To Appropriate District Office
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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-44312
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. STATE
7. Lease Name or Unit Agreement Name REMUDA NORTH 25 STATE
8. Well Number 906H
9. OGRID Number 5380
10. Pool name or Wildcat Nash Draw; Delaware BS, Avalon Sand

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

2. Name of Operator
XTO ENERGY, INC

3. Address of Operator
6401 HOLIDAY HILL RD, BLDG 5, MIDLAND TX 79705

4. Well Location
Unit Letter J : 2280 feet from the SOUTH line and 1964 feet from the EAST line
Section 25 Township 23S Range 29E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3059' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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 FTP from 2561'FNL & 1350'FEL to 2561'FNL & 1755'FEL in Sec. 25-T23S-R29E
- Change LTP from 100' FNL & 1350'FEL to 100'FNL & 1755'FEL in Sec. 24-T23S-R29E
- Change BHL from 50'FNL & 1350'FEL to 50'FNL & 1755'FEL in Sec. 24-T23S-R29E

NM OIL CONSERVATION
ARTESIA DISTRICT

Updated C102 Attached.....

SEP 05 2019

RECEIVED

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 09/03/19

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

~~For State Use Only~~

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

NM OIL CONSERVATION

ARTESIA DISTRICT

State of New Mexico

SEP 05 2019

Form C-102

Energy, Minerals & Natural Resources Department

Revised August 1, 2011

OIL CONSERVATION DIVISION

RECEIVED

Submit one copy to appropriate

District Office

1220 South St. Francis Dr.

Santa Fe, NM 87505

☒ AMENDED REPORT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (575) 748-1283 Fax: (575) 748-9720
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Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 44312	² Pool Code 47545	³ Pool Name NASH DRAW; DELAWARE/BS (AVALON SAND)
⁴ Property Code	⁵ Property Name REMUDA NORTH 25 STATE	⁶ Well Number 906H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,059'

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
J	25	23 S	29 E		2,280	SOUTH	1,964	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
B	24	23 S	29 E		50	NORTH	1,755	EAST	EDDY

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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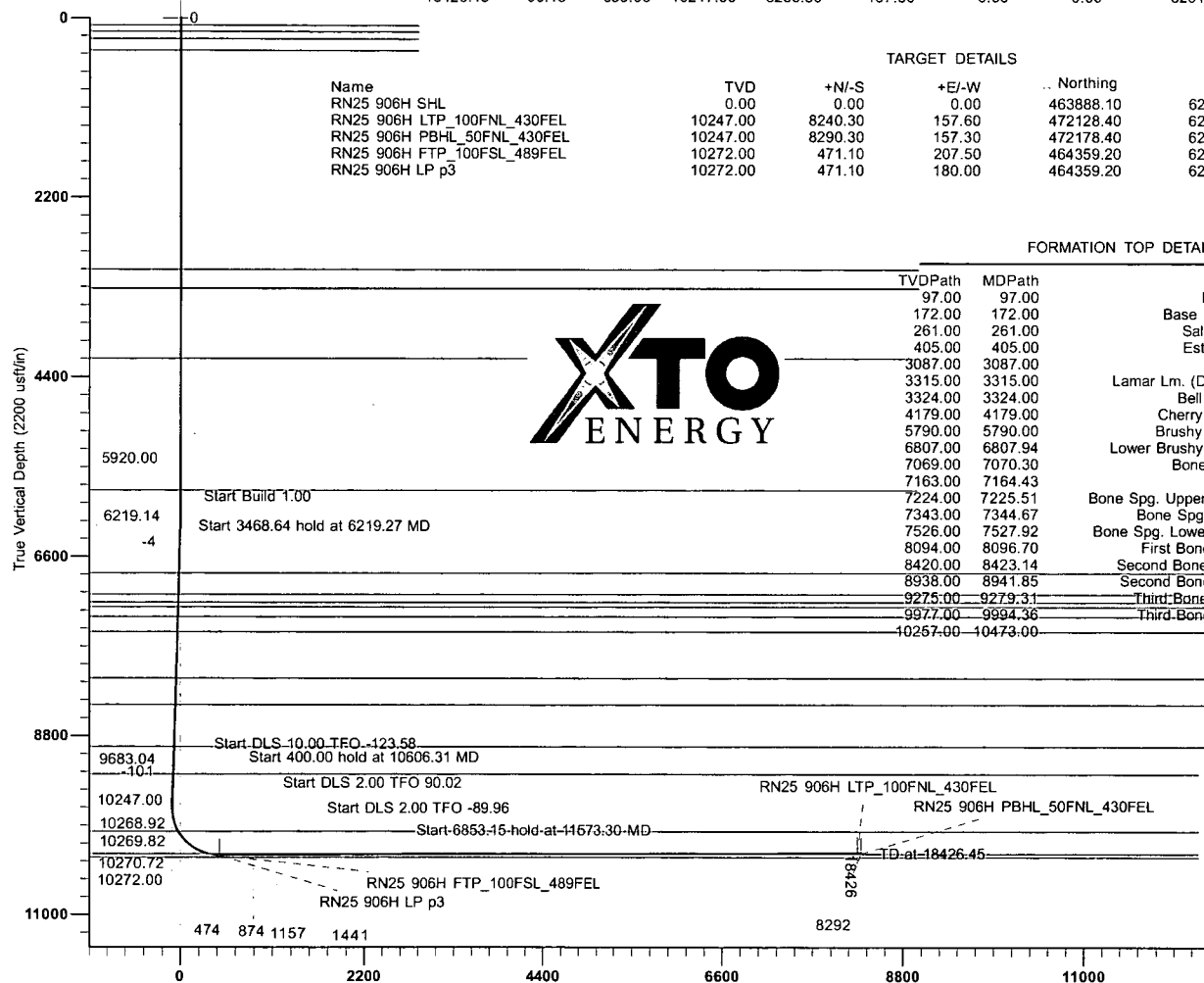
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 463,888.1 X = 622,973.4 LAT. = 32.274718°N LONG. = 103.935448°W FIRST TAKE POINT NAD 27 NME Y = 464,359.2 X = 623,180.9 LAT. = 32.276011°N LONG. = 103.934772°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 463,947.5 X = 664,156.4 LAT. = 32.274841°N LONG. = 103.935940°W FIRST TAKE POINT NAD 83 NME Y = 464,418.6 X = 664,363.9 LAT. = 32.276134°N LONG. = 103.935282°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>Kelly Kardos</i> 9-3-19 Signature Date Printed Name kelly_kardos@xtoenergy.com E-mail Address
	CORNER COORDINATES TABLE NAD 27 NME A - Y = 464,259.7 N, X = 622,286.2 E B - Y = 464,258.9 N, X = 623,667.2 E C - Y = 466,919.8 N, X = 622,281.3 E D - Y = 466,919.6 N, X = 623,603.9 E E - Y = 469,572.4 N, X = 622,257.3 E F - Y = 469,570.2 N, X = 623,580.9 E G - Y = 472,229.5 N, X = 622,233.2 E H - Y = 472,227.8 N, X = 623,559.3 E		
	CORNER COORDINATES TABLE NAD 83 NME A - Y = 464,310.1 N, X = 663,469.2 E B - Y = 464,318.3 N, X = 664,850.2 E C - Y = 466,979.3 N, X = 663,464.2 E D - Y = 466,978.1 N, X = 664,786.8 E E - Y = 469,631.9 N, X = 663,440.1 E F - Y = 469,629.7 N, X = 664,763.7 E G - Y = 472,289.1 N, X = 663,415.9 E H - Y = 472,287.4 N, X = 664,742.0 E		
	LAST TAKE POINT NAD 27 NME Y = 472,128.4 X = 623,131.0 LAT. = 32.297369°N LONG. = 103.934840°W	LAST TAKE POINT NAD 83 NME Y = 472,188.0 X = 664,313.7 LAT. = 32.297491°N LONG. = 103.935331°W	
BOTTOM HOLE LOCATION NAD 27 NME Y = 472,178.4 X = 623,130.7 LAT. = 32.297506°N LONG. = 103.934840°W		BOTTOM HOLE LOCATION NAD 83 NME Y = 472,238.0 X = 664,313.4 LAT. = 32.297628°N LONG. = 103.935332°W	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. 08-30-2019 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AW 2019010067

3059+18 @ 3077.00usft (Precision525)
NAD 1927 (NADCON CONUS)

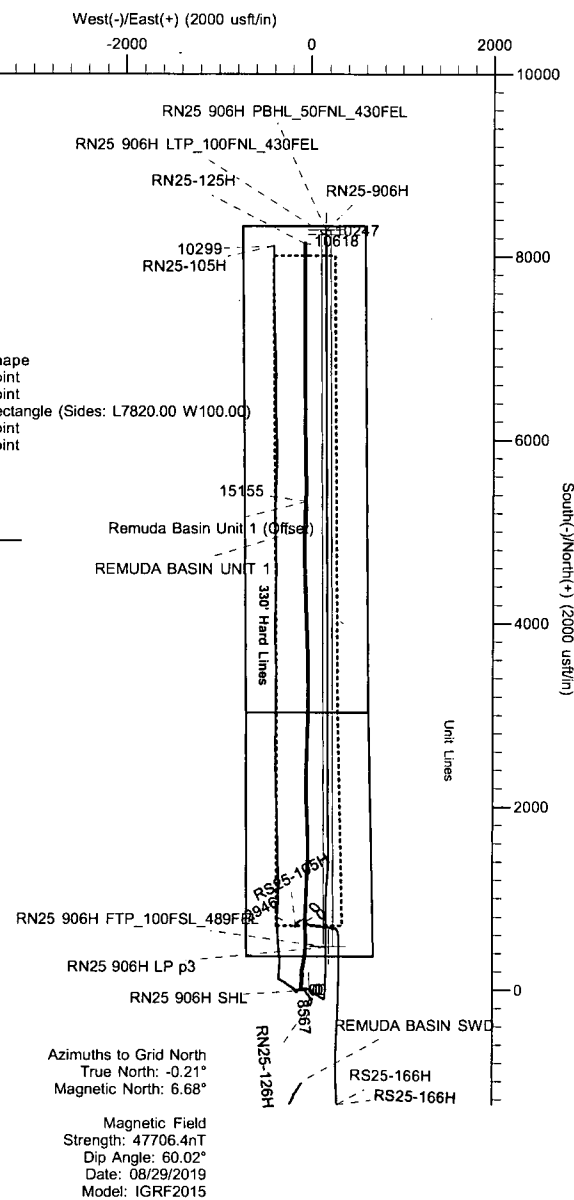
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5920.00	0.00	0.00	5920.00	0.00	0.00	0.00	0.00	0.00
6219.27	2.99	123.26	6219.14	-4.29	6.53	1.00	123.26	-4.16
9587.91	2.89	123.26	9587.91	-103.60	157.37	0.00	0.00	-100.59
10606.31	90.18	359.63	10272.00	471.10	189.00	1.00	-123.58	474.64
11006.31	90.18	359.63	10270.72	871.09	177.43	0.00	0.00	874.30
11289.70	90.18	5.30	10269.82	1154.10	189.62	2.00	90.02	1157.49
11573.30	90.18	359.63	10268.92	1437.32	201.81	2.00	-89.96	1440.89
18426.45	90.18	359.63	10247.00	8290.30	157.30	0.00	0.00	8291.79



TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	.. Northing	Easting	Shape
RN25 906H SHL	0.00	0.00	0.00	463888.10	622973.40	Point
RN25 906H LTP 100FNL_430FEL	10247.00	8240.30	157.60	472128.40	623131.00	Point
RN25 906H PBHL_50FNL_430FEL	10247.00	8290.30	157.30	472178.40	623130.70	Rectangle (Sides: L7820.00 W100.00)
RN25 906H FTP 100FSL_489FEL	10272.00	471.10	207.50	464359.20	623180.90	Point
RN25 906H LP p3	10272.00	471.10	180.00	464359.20	623153.40	Point

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
97.00	97.00	Rustler Anh.
172.00	172.00	Base Rustler Anh.
261.00	261.00	Salado Sh. Lm.
405.00	405.00	Est. Top of Salt
3087.00	3087.00	Base Salt
3315.00	3315.00	Lamar Lm. (Del Mn Grp.)
3324.00	3324.00	Bell Canyon Ss.
4179.00	4179.00	Cherry Canyon Ss.
5790.00	5790.00	Brushy Canyon Ss.
6807.00	6807.94	Lower Brushy Canyon Ss.
7069.00	7070.30	Bone Spring Lm.
7163.00	7164.43	Avalon Ss.
7224.00	7225.51	Bone Spg. Upper Avalon Lm.
7343.00	7344.67	Bone Spg. Avalon Sh.
7526.00	7527.92	Bone Spg. Lower Avalon Lm.
8094.00	8096.70	First Bone Spring Ss.
8420.00	8423.14	Second Bone Spring Lm.
8938.00	8941.85	Second Bone Spring Ss.
9275.00	9279.31	Third Bone Spring Lm.
9977.00	9994.36	Third Bone Spring Ss.
10257.00	10473.00	L.P.



To convert a Magnetic Direction to a Grid Direction, Add 6.68°
 To convert a Magnetic Direction to a True Direction, Add 6.89° East
 Magnetic North is 6.68° East of Grid North (Magnetic Convergence)
 Magnetic North is 6.89° East of True North (Magnetic Declination)

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 05 2019

Planning Report

RECEIVED

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Project	Eddy County, NM (NAD27) NMEZ Grid		
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 North 25 State				
Site Position:	Northing:	463,880.00 usft	Latitude:	32° 16' 28.90938130 N	
From:	Map	Easting:	622,883.30 usft	Longitude:	103° 56' 8.66498793 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.21 °

Well	RN25-906H - Slot RN25 906H SHL					
Well Position	+N/-S	8.10 usft	Northing:	463,888.10 usft	Latitude:	32° 16' 28.98623425 N
	+E/-W	90.10 usft	Easting:	622,973.40 usft	Longitude:	103° 56' 7.61518209 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,059.00 usft

Wellbore	906H Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/29/19	6.89	60.02	47,706.42542265

Design	Plan #3				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	1.09	

Plan Survey Tool Program	Date	09/02/19			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	18,426.45 Plan #3 (906H Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-SI	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,920.00	0.00	0.00	5,920.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,219.27	2.99	123.26	6,219.14	-4.29	6.53	1.00	1.00	0.00	123.26	
9,687.91	2.99	123.26	9,683.04	-103.60	157.97	0.00	0.00	0.00	0.00	
10,606.31	90.18	359.63	10,272.00	471.10	180.00	10.00	9.49	-13.46	-123.58	
11,006.31	90.18	359.63	10,270.72	871.09	177.43	0.00	0.00	0.00	0.00	
11,289.70	90.18	5.30	10,269.82	1,154.10	189.62	2.00	0.00	2.00	90.02	
11,573.30	90.18	359.63	10,268.92	1,437.32	201.81	2.00	0.00	-2.00	-89.96	
18,426.45	90.18	359.63	10,247.00	8,290.30	157.30	0.00	0.00	0.00	0.00	RN25 906H PBHL_5C

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	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
RN25 906H SHL									
97.00	0.00	0.00	97.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler Anh.									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
172.00	0.00	0.00	172.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Rustler Anh.									
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
261.00	0.00	0.00	261.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado Sh. Lm.									
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
405.00	0.00	0.00	405.00	0.00	0.00	0.00	0.00	0.00	0.00
Est. Top of Salt									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,087.00	0.00	0.00	3,087.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,315.00	0.00	0.00	3,315.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar Lm. (Del Mtn Grp.)									
3,324.00	0.00	0.00	3,324.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon Ss.									
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database:	STRYKER EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,179.00	0.00	0.00	4,179.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon Ss.									
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,790.00	0.00	0.00	5,790.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon Ss.									
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,920.00	0.00	0.00	5,920.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.80	123.26	6,000.00	-0.31	0.47	-0.30	1.00	1.00	0.00
6,100.00	1.80	123.26	6,099.97	-1.55	2.36	-1.51	1.00	1.00	0.00
6,200.00	2.80	123.26	6,199.89	-3.75	5.72	-3.64	1.00	1.00	0.00
6,219.27	2.99	123.26	6,219.14	-4.29	6.53	-4.16	1.00	1.00	0.00
6,300.00	2.99	123.26	6,299.75	-6.60	10.06	-6.40	0.00	0.00	0.00
6,400.00	2.99	123.26	6,399.62	-9.46	14.42	-9.18	0.00	0.00	0.00
6,500.00	2.99	123.26	6,499.48	-12.32	18.79	-11.96	0.00	0.00	0.00
6,600.00	2.99	123.26	6,599.34	-15.19	23.16	-14.74	0.00	0.00	0.00
6,700.00	2.99	123.26	6,699.21	-18.05	27.52	-17.52	0.00	0.00	0.00
6,800.00	2.99	123.26	6,799.07	-20.91	31.89	-20.30	0.00	0.00	0.00
6,807.94	2.99	123.26	6,807.00	-21.14	32.23	-20.52	0.00	0.00	0.00
Lower Brushy Canyon Ss.									
6,900.00	2.99	123.26	6,898.94	-23.78	36.25	-23.08	0.00	0.00	0.00
7,000.00	2.99	123.26	6,998.80	-26.64	40.62	-25.86	0.00	0.00	0.00
7,070.30	2.99	123.26	7,069.00	-28.65	43.69	-27.82	0.00	0.00	0.00
Bone Spring Lm.									
7,100.00	2.99	123.26	7,098.66	-29.50	44.99	-28.64	0.00	0.00	0.00
7,164.43	2.99	123.26	7,163.00	-31.35	47.80	-30.43	0.00	0.00	0.00
Avalon Ss.									
7,200.00	2.99	123.26	7,198.53	-32.37	49.35	-31.42	0.00	0.00	0.00
7,225.51	2.99	123.26	7,224.00	-33.10	50.46	-32.13	0.00	0.00	0.00
Bone Spg. Upper Avalon Lm.									
7,300.00	2.99	123.26	7,298.39	-35.23	53.72	-34.20	0.00	0.00	0.00
7,344.67	2.99	123.26	7,343.00	-36.51	55.67	-35.45	0.00	0.00	0.00
Bone Spg. Avalon Sh.									
7,400.00	2.99	123.26	7,398.25	-38.09	58.08	-36.98	0.00	0.00	0.00

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,500.00	2.99	123.26	7,498.12	-40.96	62.45	-39.76	0.00	0.00	0.00
7,527.92	2.99	123.26	7,526.00	-41.76	63.67	-40.54	0.00	0.00	0.00
Bone Spg. Lower Avalon Lm									
7,600.00	2.99	123.26	7,597.98	-43.82	66.81	-42.54	0.00	0.00	0.00
7,700.00	2.99	123.26	7,697.84	-46.68	71.18	-45.32	0.00	0.00	0.00
7,800.00	2.99	123.26	7,797.71	-49.55	75.55	-48.10	0.00	0.00	0.00
7,900.00	2.99	123.26	7,897.57	-52.41	79.91	-50.88	0.00	0.00	0.00
8,000.00	2.99	123.26	7,997.44	-55.27	84.28	-53.66	0.00	0.00	0.00
8,096.70	2.99	123.26	8,094.00	-58.04	88.50	-56.35	0.00	0.00	0.00
First Bone Spring Ss.									
8,100.00	2.99	123.26	8,097.30	-58.13	88.64	-56.44	0.00	0.00	0.00
8,200.00	2.99	123.26	8,197.16	-61.00	93.01	-59.22	0.00	0.00	0.00
8,300.00	2.99	123.26	8,297.03	-63.86	97.37	-62.00	0.00	0.00	0.00
8,400.00	2.99	123.26	8,396.89	-66.72	101.74	-64.78	0.00	0.00	0.00
8,423.14	2.99	123.26	8,420.00	-67.39	102.75	-65.43	0.00	0.00	0.00
Second Bone Spring Lm.									
8,500.00	2.99	123.26	8,496.75	-69.59	106.11	-67.56	0.00	0.00	0.00
8,600.00	2.99	123.26	8,596.62	-72.45	110.47	-70.34	0.00	0.00	0.00
8,700.00	2.99	123.26	8,696.48	-75.31	114.84	-73.12	0.00	0.00	0.00
8,800.00	2.99	123.26	8,796.34	-78.18	119.20	-75.90	0.00	0.00	0.00
8,900.00	2.99	123.26	8,896.21	-81.04	123.57	-78.68	0.00	0.00	0.00
8,941.85	2.99	123.26	8,938.00	-82.24	125.40	-79.85	0.00	0.00	0.00
Second Bone Spring Ss.									
9,000.00	2.99	123.26	8,996.07	-83.90	127.94	-81.46	0.00	0.00	0.00
9,100.00	2.99	123.26	9,095.94	-86.77	132.30	-84.24	0.00	0.00	0.00
9,200.00	2.99	123.26	9,195.80	-89.63	136.67	-87.02	0.00	0.00	0.00
9,279.31	2.99	123.26	9,275.00	-91.90	140.13	-89.23	0.00	0.00	0.00
Third Bone Spring Lm.									
9,300.00	2.99	123.26	9,295.66	-92.49	141.03	-89.80	0.00	0.00	0.00
9,400.00	2.99	123.26	9,395.53	-95.36	145.40	-92.58	0.00	0.00	0.00
9,500.00	2.99	123.26	9,495.39	-98.22	149.76	-95.36	0.00	0.00	0.00
9,600.00	2.99	123.26	9,595.25	-101.08	154.13	-98.14	0.00	0.00	0.00
9,687.91	2.99	123.26	9,683.04	-103.60	157.97	-100.59	0.00	0.00	0.00
9,700.00	2.53	99.82	9,695.12	-103.82	158.50	-100.79	10.00	-3.80	-193.88
9,750.00	5.19	28.29	9,745.02	-102.02	160.66	-98.95	10.00	5.31	-143.06
9,800.00	9.87	14.13	9,794.58	-95.86	162.78	-92.76	10.00	9.36	-28.31
9,850.00	14.76	9.15	9,843.42	-85.41	164.84	-82.27	10.00	9.78	-9.96
9,900.00	19.70	6.62	9,891.16	-70.74	166.82	-67.57	10.00	9.89	-5.06
9,950.00	24.67	5.08	9,937.44	-51.96	168.72	-48.75	10.00	9.93	-3.09
9,994.36	29.09	4.13	9,977.00	-31.98	170.32	-28.74	10.00	9.95	-2.14
Third Bone Spring Ss.									
10,000.00	29.65	4.03	9,981.92	-29.22	170.51	-25.98	10.00	9.96	-1.81
10,050.00	34.63	3.25	10,024.24	-2.68	172.19	0.59	10.00	9.97	-1.55
10,100.00	39.62	2.65	10,064.10	27.45	173.73	30.74	10.00	9.97	-1.20
10,150.00	44.61	2.17	10,101.18	60.94	175.14	64.25	10.00	9.98	-0.97
10,200.00	49.60	1.76	10,135.20	97.53	176.39	100.86	10.00	9.98	-0.81
10,250.00	54.59	1.41	10,165.91	136.96	177.48	140.30	10.00	9.98	-0.70
10,300.00	59.58	1.10	10,193.07	178.91	178.40	182.26	10.00	9.99	-0.62
10,350.00	64.58	0.83	10,216.47	223.07	179.14	226.43	10.00	9.99	-0.56
10,400.00	69.57	0.57	10,235.94	269.10	179.70	272.46	10.00	9.99	-0.51
10,450.00	74.57	0.33	10,251.33	316.66	180.07	320.02	10.00	9.99	-0.48
10,473.00	76.87	0.22	10,257.00	338.95	180.18	342.30	10.00	9.99	-0.46
LP									

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,500.00	79.56	0.10	10,262.51	365.37	180.25	368.73	10.00	9.99	-0.45	
10,550.00	84.56	359.88	10,269.42	414.88	180.24	418.22	10.00	9.99	-0.44	
10,600.00	89.55	359.66	10,271.99	464.80	180.04	468.13	10.00	9.99	-0.44	
10,606.14	90.17	359.63	10,272.00	470.93	180.00	474.26	10.00	9.99	-0.43	
RN25 906H FTP_100FSL_4 9FEL										
10,606.31	90.18	359.63	10,272.00	471.10	180.00	474.43	10.00	9.99	-0.43	
RN25 906H LP p3										
10,700.00	90.18	359.63	10,271.70	564.79	179.40	568.09	0.00	0.00	0.00	
10,800.00	90.18	359.63	10,271.38	664.79	178.76	668.06	0.00	0.00	0.00	
10,900.00	90.18	359.63	10,271.06	764.79	178.11	768.03	0.00	0.00	0.00	
11,006.31	90.18	359.63	10,270.72	871.09	177.43	874.30	0.00	0.00	0.00	
11,100.00	90.18	1.51	10,270.42	964.78	178.36	967.99	2.00	0.00	2.00	
11,200.00	90.18	3.51	10,270.11	1,064.67	182.73	1,067.95	2.00	0.00	2.00	
11,289.70	90.18	5.30	10,269.82	1,154.10	189.62	1,157.49	2.00	0.00	2.00	
11,300.00	90.18	5.09	10,269.79	1,164.36	190.55	1,167.77	2.00	0.00	-2.00	
11,400.00	90.18	3.09	10,269.47	1,264.10	197.69	1,267.63	2.00	0.00	-2.00	
11,500.00	90.18	1.09	10,269.16	1,364.03	201.35	1,367.60	2.00	0.00	-2.00	
11,573.30	90.18	359.63	10,268.92	1,437.32	201.81	1,440.89	2.00	0.00	-2.00	
11,600.00	90.18	359.63	10,268.84	1,464.03	201.63	1,467.59	0.00	0.00	0.00	
11,700.00	90.18	359.63	10,268.52	1,564.02	200.99	1,567.55	0.00	0.00	0.00	
11,800.00	90.18	359.63	10,268.20	1,664.02	200.34	1,667.52	0.00	0.00	0.00	
11,900.00	90.18	359.63	10,267.88	1,764.02	199.69	1,767.49	0.00	0.00	0.00	
12,000.00	90.18	359.63	10,267.56	1,864.01	199.04	1,867.46	0.00	0.00	0.00	
12,100.00	90.18	359.63	10,267.24	1,964.01	198.39	1,967.42	0.00	0.00	0.00	
12,200.00	90.18	359.63	10,266.92	2,064.01	197.74	2,067.39	0.00	0.00	0.00	
12,300.00	90.18	359.63	10,266.60	2,164.01	197.09	2,167.36	0.00	0.00	0.00	
12,400.00	90.18	359.63	10,266.28	2,264.00	196.44	2,267.32	0.00	0.00	0.00	
12,500.00	90.18	359.63	10,265.96	2,364.00	195.79	2,367.29	0.00	0.00	0.00	
12,600.00	90.18	359.63	10,265.64	2,464.00	195.14	2,467.26	0.00	0.00	0.00	
12,700.00	90.18	359.63	10,265.32	2,564.00	194.49	2,567.22	0.00	0.00	0.00	
12,800.00	90.18	359.63	10,265.00	2,663.99	193.84	2,667.19	0.00	0.00	0.00	
12,900.00	90.18	359.63	10,264.68	2,763.99	193.19	2,767.16	0.00	0.00	0.00	
13,000.00	90.18	359.63	10,264.36	2,863.99	192.54	2,867.13	0.00	0.00	0.00	
13,100.00	90.18	359.63	10,264.04	2,963.99	191.89	2,967.09	0.00	0.00	0.00	
13,200.00	90.18	359.63	10,263.72	3,063.98	191.24	3,067.06	0.00	0.00	0.00	
13,300.00	90.18	359.63	10,263.40	3,163.98	190.59	3,167.03	0.00	0.00	0.00	
13,400.00	90.18	359.63	10,263.08	3,263.98	189.94	3,266.99	0.00	0.00	0.00	
13,500.00	90.18	359.63	10,262.76	3,363.98	189.29	3,366.96	0.00	0.00	0.00	
13,600.00	90.18	359.63	10,262.44	3,463.97	188.65	3,466.93	0.00	0.00	0.00	
13,700.00	90.18	359.63	10,262.12	3,563.97	188.00	3,566.90	0.00	0.00	0.00	
13,800.00	90.18	359.63	10,261.80	3,663.97	187.35	3,666.86	0.00	0.00	0.00	
13,900.00	90.18	359.63	10,261.48	3,763.97	186.70	3,766.83	0.00	0.00	0.00	
14,000.00	90.18	359.63	10,261.16	3,863.96	186.05	3,866.80	0.00	0.00	0.00	
14,100.00	90.18	359.63	10,260.84	3,963.96	185.40	3,966.76	0.00	0.00	0.00	
14,200.00	90.18	359.63	10,260.52	4,063.96	184.75	4,066.73	0.00	0.00	0.00	
14,300.00	90.18	359.63	10,260.20	4,163.95	184.10	4,166.70	0.00	0.00	0.00	
14,400.00	90.18	359.63	10,259.88	4,263.95	183.45	4,266.66	0.00	0.00	0.00	
14,500.00	90.18	359.63	10,259.56	4,363.95	182.80	4,366.63	0.00	0.00	0.00	
14,600.00	90.18	359.63	10,259.24	4,463.95	182.15	4,466.60	0.00	0.00	0.00	
14,700.00	90.18	359.63	10,258.92	4,563.94	181.50	4,566.57	0.00	0.00	0.00	
14,800.00	90.18	359.63	10,258.60	4,663.94	180.85	4,666.53	0.00	0.00	0.00	
14,900.00	90.18	359.63	10,258.28	4,763.94	180.20	4,766.50	0.00	0.00	0.00	
15,000.00	90.18	359.63	10,257.96	4,863.94	179.55	4,866.47	0.00	0.00	0.00	
15,100.00	90.18	359.63	10,257.64	4,963.93	178.90	4,966.43	0.00	0.00	0.00	

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,200.00	90.18	359.63	10,257.32	5,063.93	178.25	5,066.40	0.00	0.00	0.00
15,300.00	90.18	359.63	10,257.00	5,163.93	177.60	5,166.37	0.00	0.00	0.00
15,400.00	90.18	359.63	10,256.68	5,263.93	176.96	5,266.34	0.00	0.00	0.00
15,500.00	90.18	359.63	10,256.36	5,363.92	176.31	5,366.30	0.00	0.00	0.00
15,600.00	90.18	359.63	10,256.04	5,463.92	175.66	5,466.27	0.00	0.00	0.00
15,700.00	90.18	359.63	10,255.72	5,563.92	175.01	5,566.24	0.00	0.00	0.00
15,800.00	90.18	359.63	10,255.40	5,663.92	174.36	5,666.20	0.00	0.00	0.00
15,900.00	90.18	359.63	10,255.08	5,763.91	173.71	5,766.17	0.00	0.00	0.00
16,000.00	90.18	359.63	10,254.76	5,863.91	173.06	5,866.14	0.00	0.00	0.00
16,100.00	90.18	359.63	10,254.44	5,963.91	172.41	5,966.10	0.00	0.00	0.00
16,200.00	90.18	359.63	10,254.12	6,063.90	171.76	6,066.07	0.00	0.00	0.00
16,300.00	90.18	359.63	10,253.80	6,163.90	171.11	6,166.04	0.00	0.00	0.00
16,400.00	90.18	359.63	10,253.48	6,263.90	170.46	6,266.01	0.00	0.00	0.00
16,500.00	90.18	359.63	10,253.16	6,363.90	169.81	6,365.97	0.00	0.00	0.00
16,600.00	90.18	359.63	10,252.84	6,463.89	169.16	6,465.94	0.00	0.00	0.00
16,700.00	90.18	359.63	10,252.52	6,563.89	168.51	6,565.91	0.00	0.00	0.00
16,800.00	90.18	359.63	10,252.20	6,663.89	167.86	6,665.87	0.00	0.00	0.00
16,900.00	90.18	359.63	10,251.88	6,763.89	167.21	6,765.84	0.00	0.00	0.00
17,000.00	90.18	359.63	10,251.56	6,863.88	166.56	6,865.81	0.00	0.00	0.00
17,100.00	90.18	359.63	10,251.24	6,963.88	165.91	6,965.78	0.00	0.00	0.00
17,200.00	90.18	359.63	10,250.92	7,063.88	165.27	7,065.74	0.00	0.00	0.00
17,300.00	90.18	359.63	10,250.60	7,163.88	164.62	7,165.71	0.00	0.00	0.00
17,400.00	90.18	359.63	10,250.28	7,263.87	163.97	7,265.68	0.00	0.00	0.00
17,500.00	90.18	359.63	10,249.96	7,363.87	163.32	7,365.64	0.00	0.00	0.00
17,600.00	90.18	359.63	10,249.64	7,463.87	162.67	7,465.61	0.00	0.00	0.00
17,700.00	90.18	359.63	10,249.32	7,563.87	162.02	7,565.58	0.00	0.00	0.00
17,800.00	90.18	359.63	10,249.00	7,663.86	161.37	7,665.55	0.00	0.00	0.00
17,900.00	90.18	359.63	10,248.68	7,763.86	160.72	7,765.51	0.00	0.00	0.00
18,000.00	90.18	359.63	10,248.36	7,863.86	160.07	7,865.48	0.00	0.00	0.00
18,100.00	90.18	359.63	10,248.04	7,963.86	159.42	7,965.45	0.00	0.00	0.00
18,200.00	90.18	359.63	10,247.72	8,063.85	158.77	8,065.41	0.00	0.00	0.00
18,300.00	90.18	359.63	10,247.40	8,163.85	158.12	8,165.38	0.00	0.00	0.00
18,376.45	90.18	359.63	10,247.16	8,240.30	157.62	8,241.81	0.00	0.00	0.00
RN25 906H LTP_100FNL_430FEL									
18,400.00	90.18	359.63	10,247.08	8,263.85	157.47	8,265.35	0.00	0.00	0.00
18,426.45	90.18	359.63	10,247.00	8,290.30	157.30	8,291.79	0.00	0.00	0.00
RN25 906H PBHL_50FNL_430FEL									

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well RN25-906H - Slot RN25 906H SHL
Company:	XTO Energy	TVD Reference:	3059+18 @ 3077.00usft (Precision525)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3059+18 @ 3077.00usft (Precision525)
Site:	Remuda North 25 State	North Reference:	Grid
Well:	RN25-906H	Survey Calculation Method:	Minimum Curvature
Wellbore:	906H Lateral		
Design:	Plan #3		

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									
RN25 906H SHL	0.00	0.00	0.00	0.00	0.00	463,888.10	622,973.40	2° 16' 28.98623425 N	33° 56' 7.61518209 W
- plan hits target center									
- Point									
RN25 906H LTP_100FN	0.00	0.00	10,247.00	8,240.30	157.60	472,128.40	623,131.00	2° 17' 50.52682573 N	33° 56' 5.42293419 W
- plan misses target center by 0.16usft at 18376.45usft MD (10247.16 T D, 8240.30 N, 157.62 E)									
- Point									
RN25 906H PBHL_50Ft	0.00	0.00	10,247.00	8,290.30	157.30	472,178.40	623,130.70	2° 17' 51.02163811 N	33° 56' 5.42426456 W
- plan hits target center									
- Rectangle (sides W100.00 H7,820.00 D0.00)									
RN25 906H LP p3	0.00	0.00	10,272.00	471.10	180.00	464,359.20	623,153.40	2° 16' 33.64165870 N	33° 56' 5.49822101 W
- plan hits target center									
- Point									
RN25 906H FTP_100FS	0.00	0.00	10,272.00	471.10	207.50	464,359.20	623,180.90	2° 16' 33.64064790 N	33° 56' 5.17790521 W
- plan misses target center by 27.50usft at 10606.14usft MD (10272.00 T D, 470.93 N, 180.00 E)									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
97.00	97.00	Rustler Anh.				
172.00	172.00	Base Rustler Anh.				
261.00	261.00	Salado Sh. Lm.				
405.00	405.00	Est. Top of Salt				
3,087.00	3,087.00	Base Salt				
3,315.00	3,315.00	Lamar Lm. (Del Mtn Grp.)				
3,324.00	3,324.00	Bell Canyon Ss.				
4,179.00	4,179.00	Cherry Canyon Ss.				
5,790.00	5,790.00	Brushy Canyon Ss.				
6,807.94	6,807.00	Lower Brushy Canyon Ss.				
7,070.30	7,069.00	Bone Spring Lm.				
7,164.43	7,163.00	Avalon Ss.				
7,225.51	7,224.00	Bone Spg. Upper Avalon Lm.				
7,344.67	7,343.00	Bone Spg. Avalon Sh.				
7,527.92	7,526.00	Bone Spg. Lower Avalon Lm				
8,096.70	8,094.00	First Bone Spring Ss.				
8,423.14	8,420.00	Second Bone Spring Lm.				
8,941.85	8,938.00	Second Bone Spring Ss.				
9,279.31	9,275.00	Third Bone Spring Lm.				
9,994.36	9,977.00	Third Bone Spring Ss.				
10,473.00	10,257.00	LP				

NM STATE DRILLING PERMITTING

Remuda North 25 State 906H

		Deepest TVD	10264	KOP		9688	End of Curve	10606	Measured depth		18426	
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Sks Cement	TOC
Surface	FW/Native	8.3 - 9.7	20	16	H40 STC	64	0	350	90	275	365	0
1st Intermediate	Brine	9.0-10.3	14.75	11.75	H-40 STC	42	0	3190	1055	168	1223	0
2nd Intermediate	FW/Native	8.3-9.7	10.875	8.625	J-55 LTC	32	0	7600	1111	84	1195	0
Production	FW/Cut Brine	8.5 - 10	7.875	5.5	P110 BTC	17	0	18426	178	1043	1222	7100
	OBM	9.6	7.875									

Max Expected Surface Pressure
2866

BOP
Cameron 5M Double Ram BOP
Test Pressure 5000

Total Vertical Section 7820

Contingencies
1. DV tool may be set in 2nd intermediate between 3200-3400'