

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.Carlsbad Field
NMN136870
OCD Artesia

Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

CORRAL CANYON 3-34 FEDERAL 127H

2. Name of Operator

XTO ENERGY INCORPORATED

Contact: KELLY KARDOS

E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.

30-015-45430-00-X1

3a. Address

6401 HOLIDAY HILL ROAD BLDG 5
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-620-4374

10. Field and Pool or Exploratory Area

PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 10 T25S R29E NENE 185FNL 914FEL
32.151455 N Lat, 103.966698 W Lon

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

XTO Energy Inc. requests permission to make the following changes to the approved APD:

1. Change BHL from 200'FNL & 952'FEL in Sec. 34, T24S, R29E to 200'FNL & 961'FEL in Sec. 3, T25S, R29E (lease number will change from NMNM136870 to NMNM16302).

2. Drilling Program/Directional Plan

Attachments:

1. C102
2. Permitted vs Sundry Sheet
3. Drilling Program
4. BOP/CM/FH

RECEIVED

FEB 14 2019

DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #451342 verified by the BLM Well Information System

For XTO ENERGY INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 01/29/2019 (19PP0793SE)

Name (Printed/Typed) KELLY KARDOS

Title REGULATORY COORDINATOR

Signature (Electronic Submission)

Date 01/22/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO

Title PETROLEUM ENGINEER

Date 02/12/2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Rev 2-21-19.

M

Additional data for EC transaction #451342 that would not fit on the form

32. Additional remarks, continued

5. Directional Plan

*Sundry originally submitted on 12/27/18. BLM rejected on 1/22/19 due to system failure and unable to upload attachments. Requested sundry be re-submitted.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-4720
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

FEB 14 2019

AMENDED REPORT

DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

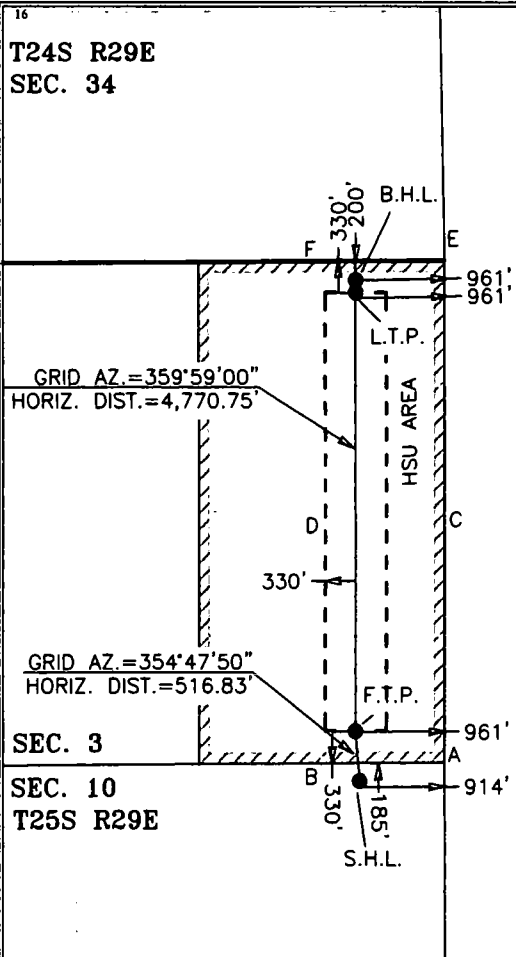
¹ API Number 30-015-45430		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP	
⁴ Property Code 322863		⁵ Property Name CORRAL CANYON 3-34 FED			⁶ Well Number 127H
⁷ OGRID No. 005380		⁸ Operator Name XTO ENERGY, INC.			⁹ Elevation 3,034'

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
A	10	25 S	29 E		185	NORTH	914	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
A	1	25 S	29 E		200	NORTH	961	EAST	EDDY

¹² Dedicated Acres 319.40	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 T24S R29E SEC. 34 	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 418,969.0 X= 613,619.6 LAT.= 32.151330°N LONG.= 103.966209°W FIRST TAKE POINT NAD 27 NME Y= 419,483.7 X= 613,572.8 LAT.= 32.152745°N LONG.= 103.966355°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 419,027.5 X= 654,803.9 LAT.= 32.151454°N LONG.= 103.966696°W FIRST TAKE POINT NAD 83 NME Y= 419,542.2 X= 654,757.0 LAT.= 32.152869°N LONG.= 103.966842°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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Kelly Kardos. 11-15-18 Signature Date Kelly Kardos Printed Name kelly_kardos@xtoenergy.com E-mail Address
	CORNER COORDINATES TABLE NAD 27 NME A - Y= 419,159.1 N, X= 614,533.5 E B - Y= 419,151.6 N, X= 613,208.3 E C - Y= 421,814.9 N, X= 614,533.4 E D - Y= 421,806.5 N, X= 613,204.3 E E - Y= 424,458.2 N, X= 614,532.5 E F - Y= 424,452.8 N, X= 613,199.9 E	CORNER COORDINATES TABLE NAD 83 NME A - Y= 419,217.6 N, X= 655,717.8 E B - Y= 419,210.1 N, X= 654,392.5 E C - Y= 421,873.4 N, X= 655,717.6 E D - Y= 421,865.0 N, X= 654,388.5 E E - Y= 424,516.8 N, X= 655,716.6 E F - Y= 424,511.4 N, X= 654,384.0 E	
	LAST TAKE POINT NAD 27 NME Y= 424,124.3 X= 613,571.6 LAT.= 32.165502°N LONG.= 103.966307°W	LAST TAKE POINT NAD 83 NME Y= 424,182.9 X= 654,755.7 LAT.= 32.165626°N LONG.= 103.966795°W	
	BOTTOM HOLE LOCATION NAD 27 NME Y= 424,254.3 X= 613,571.5 LAT.= 32.165860°N LONG.= 103.966306°W	BOTTOM HOLE LOCATION NAD 83 NME Y= 424,312.9 X= 654,755.6 LAT.= 32.165983°N LONG.= 103.966794°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.

11-14-2018

Date of Survey

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number



AI 2017091544

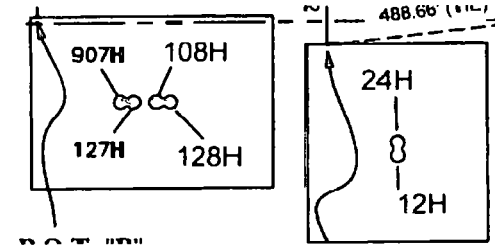
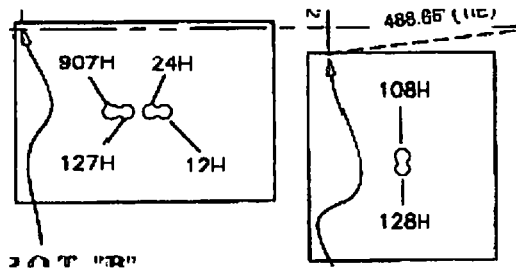
Rev 2-21-19

PERMITTED PLAN

Current Well Name	Formation	Permitted SHL	Permitted BHL
CORRAL CANYON 3-34 FED 907H	BONESPRING	A -10-255-29E 185 FNL & 944 FEL	A -34-245-29E 200 FNL & 952 FEL
CORRAL CANYON 3-34 FED 127H	WOLFCAMP	A -10-255-29E 185 FNL & 914 FEL	A -34-245-29E 200 FNL & 962 FEL
CORRAL CANYON 3-34 FED 108H	WOLFCAMP	A -10-255-29E 285 FNL & 330 FEL	A -34-245-29E 200 FNL & 330 FEL
CORRAL CANYON FEDERAL 24H	BONESPRING	A -10-255-29E 185 FNL & 885 FEL	A -34-245-29E 200 FNL & 660 FEL
CORRAL CANYON FEDERAL 12H	BONESPRING	A -10-255-29E 185 FNL & 835 FEL	P -15-255-29E 200 FSL & 660 FEL
CORRAL CANYON 3-34 FED 128H	WOLFCAMP	A -10-255-29E 315 FNL & 330 FEL	A -34-245-29E 200 FNL & 330 FEL

SUNDRY CHANGES

Well Name Change	Formation	Updated SHL	Updated BHL
CORRAL CANYON 3-34 FED 907H	BONESPRING	A -10-255-29E 185 FNL & 944 FEL	L1 -3-255-29E 50 FNL & 961 FEL
CORRAL CANYON 3-34 FED 127H	WOLFCAMP	A -10-255-29E 185 FNL & 914 FEL	L1 -3-255-29E 200 FNL & 961 FEL
CORRAL CANYON FEDERAL 24H	BONESPRING	A -10-255-29E 285 FNL & 330 FEL	L1 -3-255-29E 50 FNL & 660 FEL
CORRAL CANYON 3-34 FED 108H	WOLFCAMP	A -10-255-29E 185'FNL & 884'FEL	L1 -3-255-29E 200 FNL & 330 FEL
CORRAL CANYON 3-34 FED 128H	WOLFCAMP	A -10-255-29E 185'FNL & 854'FEL	L1 -3-255-29E 200 FNL & 330 FEL
CORRAL CANYON 10-15 FED 12H	BONESPRING	A -10-255-29E 315'FNL & 330'FEL	P -15-255-29E 50 FSL & 660 FEL



DRILLING PLAN (SUNDRY): BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
Corral Canyon 3-34 Federal 127H
Projected TD: 15570' MD / 10417' TVD
SHL: 185' FNL & 914' FEL , Section 10, T25S, R29E
BHL: 200' FNL & 961' FEL , Section 3, T25S, R29E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	585'	Water
Top of Salt	854'	Water
Base of Salt	2968'	Water
Delaware	3151'	Water
Bone Spring Lm	6892'	Water/Oil/Gas
1st Bone Spring Ss	7825'	Water/Oil/Gas
2nd Bone Spring Ss	8697'	Water/Oil/Gas
3rd Bone Spring Ss	9749'	Water/Oil/Gas
Target/Land Curve	10417'	Water/Oil/Gas

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13-3/8 inch casing @ 647' (100' into the Rustler) and circulating cement back to surface. The salt will be isolated by setting 9-5/8 inch casing at 9100'. A DV tool will be set @ 697' (100' below the surface shoe). Cement will be circulated to surface. An 8-3/4 inch curve and 8-1/2 inch lateral hole will be drilled to MD/TD and 5-1/2 inch casing will be set at TD and cemented back at least 500' into the intermediate casing.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' – 647'	13-3/8"	54.5	STC	J-55	New	1.00	3.91	14.58
12-1/4"	0' – 9100'	9-5/8"	40	LTC	HCL-80	New	1.84	1.53	2.30
8-3/4" x 8-1/2"	0' – 15570'	5-1/2"	17	BTC	P-110	New	1.12	1.38	2.58

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.
- 9-5/8" Collapse analyzed using 50% evacuation based on regional experience.
- 5-1/2" tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

WELLHEAD:

Permanent Wellhead – GE RSH Multibowl System

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Manufacturer will witness installation of test plug for initial test.
- Operator will test the 9-5/8" casing per BLM Onshore Order 2

4. Cement Program

Surface Casing: 13-3/8", 54.5 New J-55, STC casing to be set at +/- 647'

Lead: 250 sxs EconoCem-HL TRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 300 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Intermediate Casing: 9-5/8", 40 New HCL-80, LTC casing to be set at +/- 9100'

First Stage

Lead: 2610 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, 1.88 ft3/sx, 9.61 gal/sx water)

Tail: 230 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

If losses are severe, a DV tool will be set @ 697' (100' below the surface shoe).

Second Stage

Lead: 230 sxs Halcem-C + 2% CaCl (mixed at 12.9 ppg, ft3/sx, 9.61 gal/sx water)

Tail: 180 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Production Casing: 5-1/2", 17 New P-110, BTC casing to be set at +/- 15570'

Lead: 150 sxs NeoCem (mixed at 10.5 ppg, 2.69 ft3/sx; 12.26 gal/sx water)

Tail: 1170 sxs VersaCem (mixed at 13.2 ppg, 1.61 ft3/sx, 8.38 gal/sx water)

Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

5. Pressure Control Equipment

The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 3125 psi.

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 9-5/8", the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' to 647'	17-1/2"	FW/Native	8.4-8.8	35-40	NC
647' to 9100'	12-1/4"	Brine/Gel Sweeps	9.8-10.2	30-32	NC
9100' to 15570'	8-3/4" x 8-1/2"	FW / Cut Brine / Polymer / OBM	9.7 - 10	29-32	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 13-3/8" surface casing with brine solution. A 9.8ppg-10.2ppg brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 13-3/8" casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

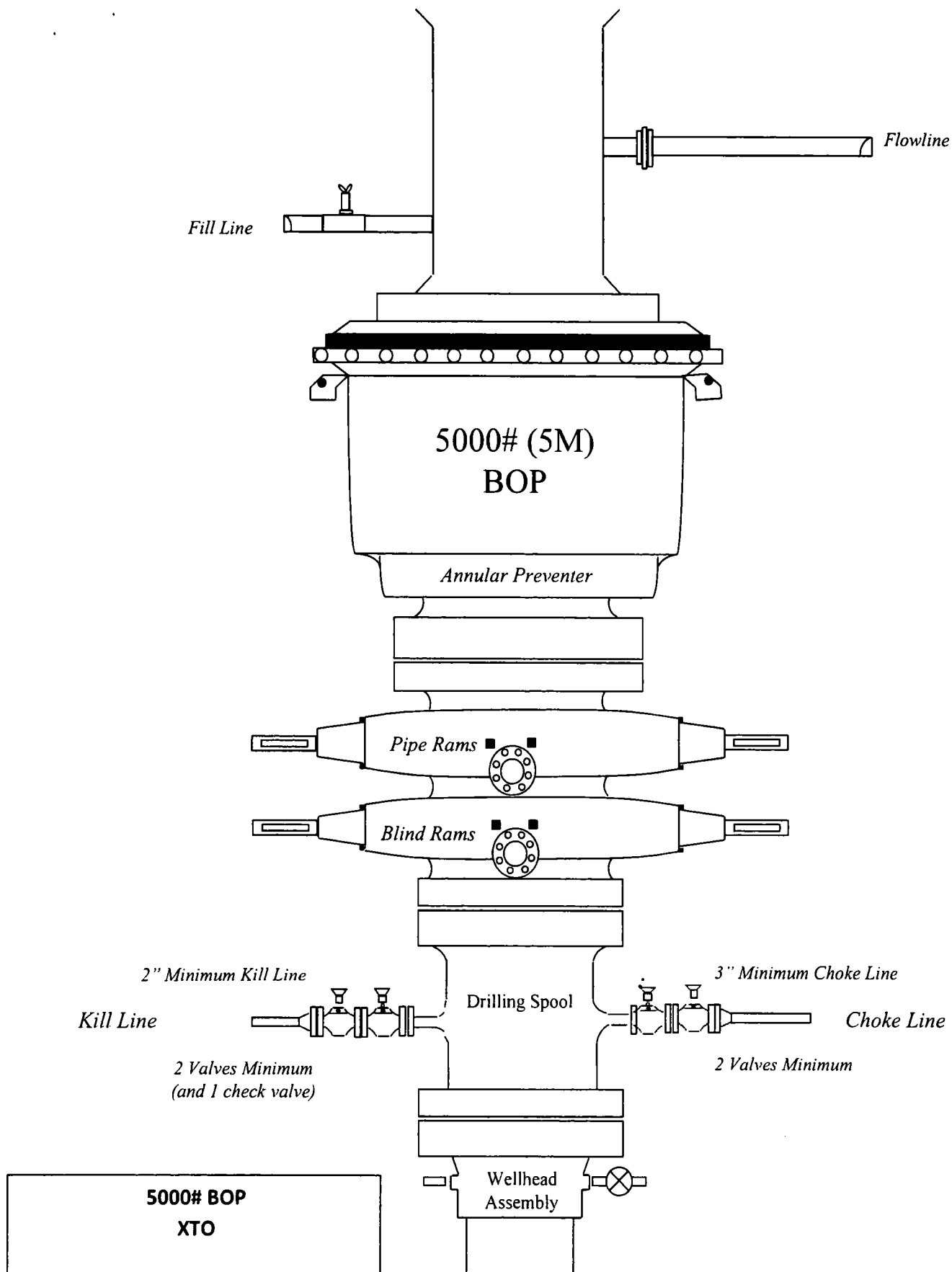
Open hole logging will not be done on this well.

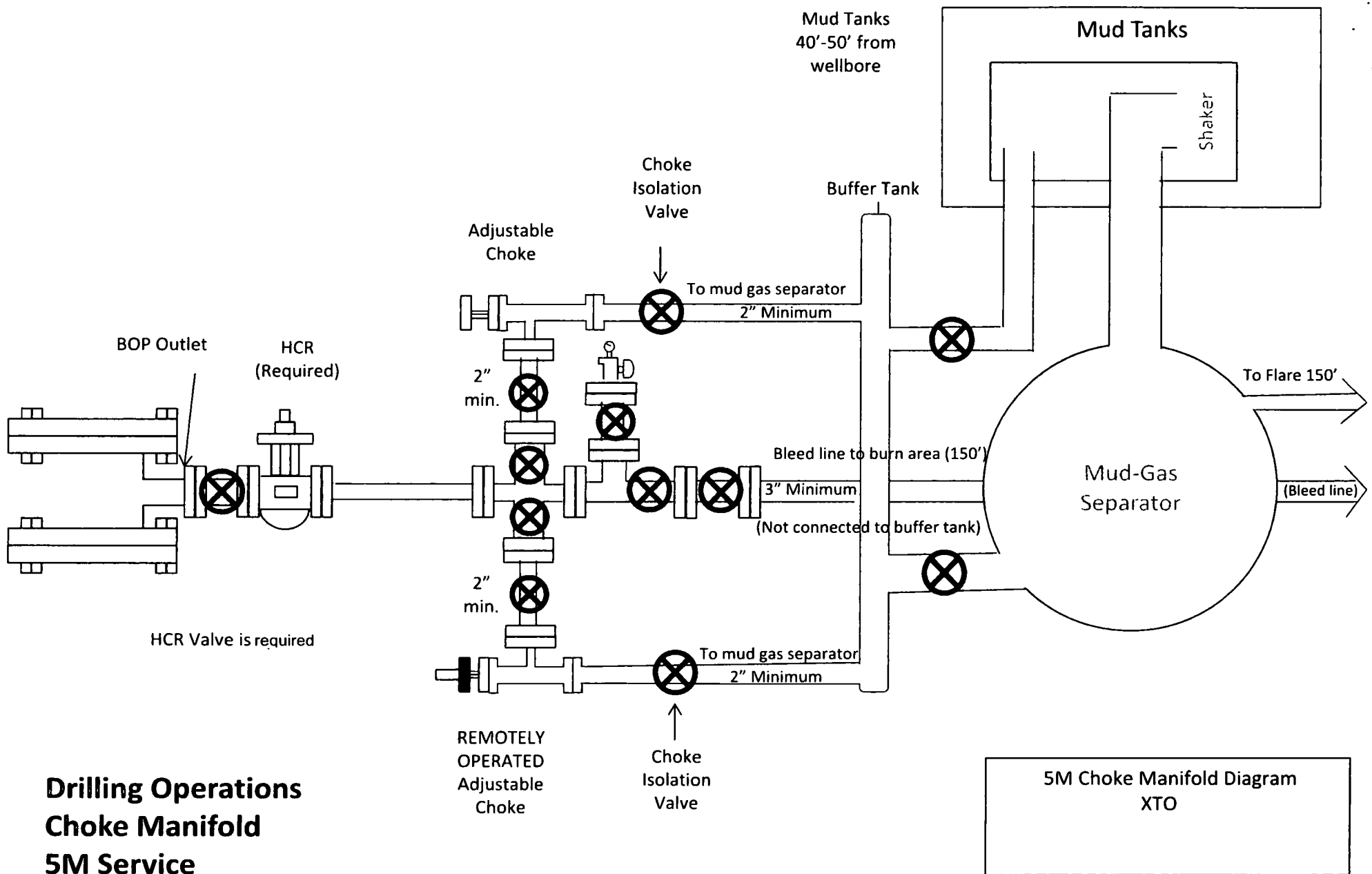
9. Abnormal Pressures and Temperatures / Potential Hazards

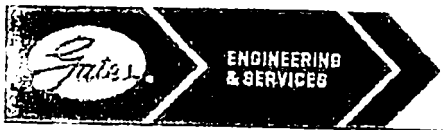
None Anticipated. BHT of 150 to 170 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5417 psi.

10. Anticipated Starting Date and Duration of Operations

Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 40 days. If production casing is run, an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.







GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

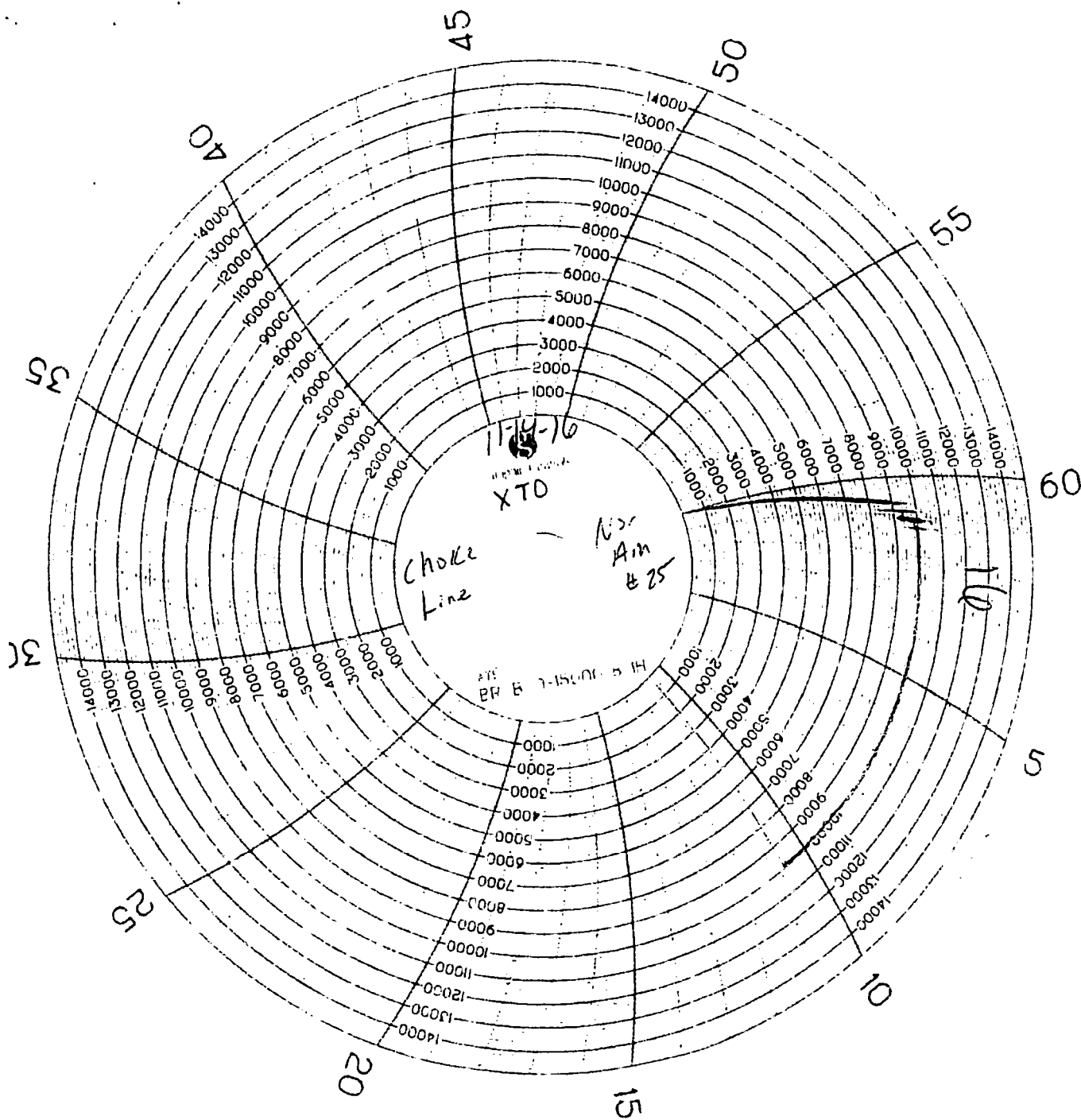
PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe@s@gates.com
WEB: www.gates.com

GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORMA
Product Description:	FD3.042.0R41/16.5KFLGE;E LE		
End Fitting 1 :	4 1/16 in.5K FLG	End Fitting 2 :	4 1/16 in.5K FLG
Gates Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

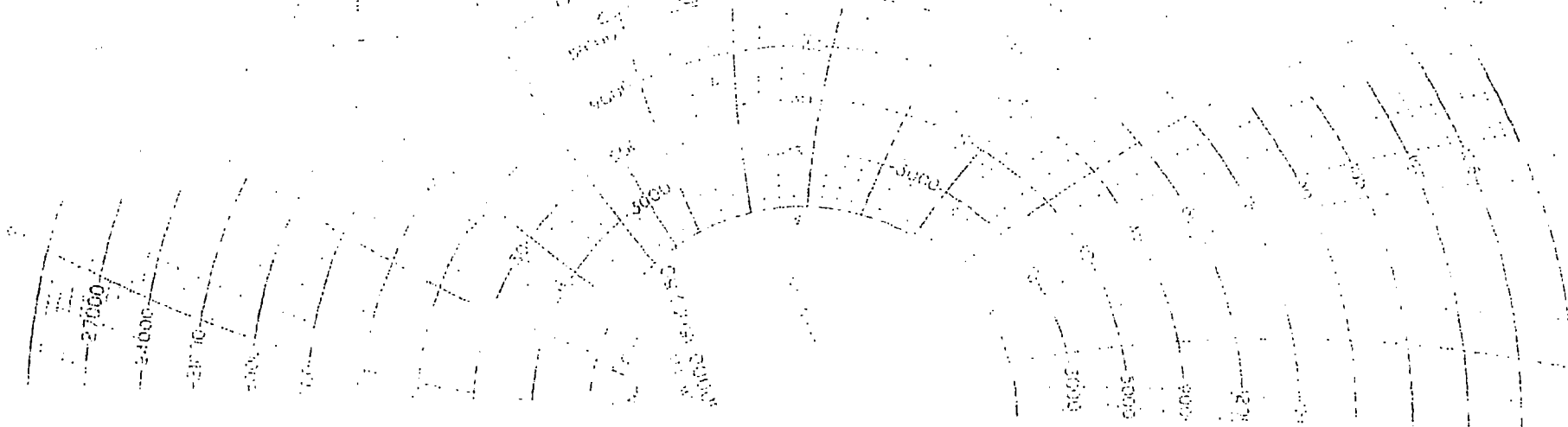
Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor:	PRODUCTION
Date:	6/8/2014	Date:	6/8/2014
Signature:		Signature:	



HOOM

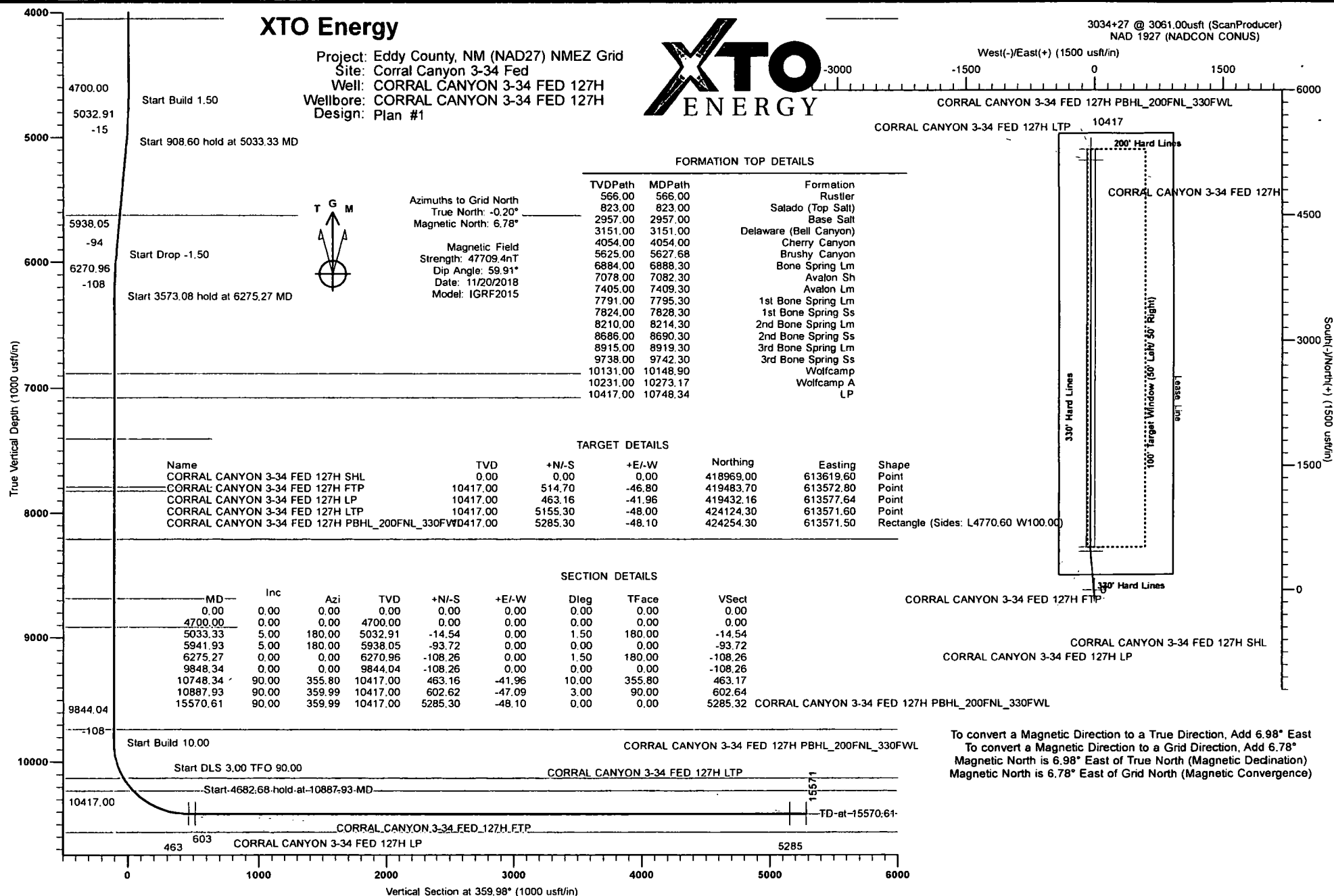
HOSE I.D. 2 1/2 LENGTH 42 ft END 1 4 1/2" SKA END 2 4 1/2" SKA
GRADE D WORKING PRESSURE 5,000 PSI
TEST PRESSURE 7,500 PSI ASSEMBLY DATE 6-8-14
TEST DATE 6-8-14 SERIAL 6380960715130-040814-R
NAME D-60-72 CH 28673



Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Corral Canyon 3-34 Fed
Well: CORRAL CANYON 3-34 FED 127H
Wellbore: CORRAL CANYON 3-34 FED 127H
Design: Plan #1



3034+27 @ 3061.00usft (ScanProducer)
NAD 1927 (NADCON CONUS)



Plan: Plan #1 (CORRAL CANYON 3-34 FED 127H/CORRAL CANYON 3-34 FED 127H)
Created By: Mekka Williams
eSomina Well Design
mekka@esominawelldesign.com
13:24, November 23 2018

STRYKER DIRECTIONAL
6701 FM 307
79706 - 432-687-1121

STRYKER
DIRECTIONAL

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Company:	XTO Energy	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site:	Corral Canyon 3-34 Fed	North Reference:	Grid
Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	CORRAL CANYON 3-34 FED 127H		
Design:	Plan #1		

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	Corral Canyon 3-34 Fed				
Site Position:		Northing:	418,968.80 usft	Latitude:	32° 9' 4.787 N
From:	Map	Easting:	613,589.50 usft	Longitude:	103° 57' 58.703 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.20 °

Well	CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL					
Well Position	+N/-S	0.20 usft	Northing:	418,969.00 usft	Latitude:	32° 9' 4.788 N
	+E/-W	30.10 usft	Easting:	613,619.60 usft	Longitude:	103° 57' 58.353 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,034.00 usft

Wellbore	CORRAL CANYON 3-34 FED 127H					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	11/20/18	6.98	59.91	47,709.43027599	

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.98	

Plan Survey Tool Program	Date	11/23/18			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	15,570.61	Plan #1 (CORRAL CANYON 3-34	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St		

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Company:	XTO Energy	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site:	Corral Canyon 3-34 Fed	North Reference:	Grid
Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	CORRAL CANYON 3-34 FED 127H		
Design:	Plan #1		

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	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,033.33	5.00	180.00	5,032.91	-14.54	0.00	1.50	1.50	0.00	180.00	
5,941.93	5.00	180.00	5,938.05	-93.72	0.00	0.00	0.00	0.00	0.00	
6,275.27	0.00	0.00	6,270.96	-108.26	0.00	1.50	-1.50	0.00	180.00	
9,848.34	0.00	0.00	9,844.04	-108.26	0.00	0.00	0.00	0.00	0.00	
10,748.34	90.00	355.80	10,417.00	463.16	-41.96	10.00	10.00	0.00	355.80	
10,887.93	90.00	359.99	10,417.00	602.62	-47.09	3.00	0.00	3.00	90.00	
15,570.61	90.00	359.99	10,417.00	5,285.30	-48.10	0.00	0.00	0.00	0.00	CORRAL CANYON 3-

Planning Report

Database: STRYKER_EDM

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -
Slot CORRAL CANYON 3-34 FED 127H SHL

Company: XTO Energy

TVD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Project: Eddy County, NM (NAD27) NMEZ Grid

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site: Corral Canyon 3-34 Fed

North Reference:

Grid

Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Wellbore: CORRAL CANYON 3-34 FED 127H

Design: Plan #1

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
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
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
566.00	0.00	0.00	566.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
823.00	0.00	0.00	823.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado (Top Salt)									
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
2,957.00	0.00	0.00	2,957.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,151.00	0.00	0.00	3,151.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware (Bell Canyon)									
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
3,400.00	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
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
4,054.00	0.00	0.00	4,054.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database: STRYKER_EDM

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -
Slot CORRAL CANYON 3-34 FED 127H SHL

Company: XTO Energy

TVD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Project: Eddy County, NM (NAD27) NMEZ Grid

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site: Corral Canyon 3-34 Fed

North Reference:

Grid

Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Wellbore: CORRAL CANYON 3-34 FED 127H

Design: Plan #1

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)
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	1.50	180.00	4,799.99	-1.31	0.00	-1.31	1.50	1.50	0.00
4,900.00	3.00	180.00	4,899.91	-5.23	0.00	-5.23	1.50	1.50	0.00
5,000.00	4.50	180.00	4,999.69	-11.77	0.00	-11.77	1.50	1.50	0.00
5,033.33	5.00	180.00	5,032.91	-14.54	0.00	-14.54	1.50	1.50	0.00
5,100.00	5.00	180.00	5,099.32	-20.35	0.00	-20.35	0.00	0.00	0.00
5,200.00	5.00	180.00	5,198.94	-29.06	0.00	-29.06	0.00	0.00	0.00
5,300.00	5.00	180.00	5,298.56	-37.78	0.00	-37.78	0.00	0.00	0.00
5,400.00	5.00	180.00	5,398.18	-46.49	0.00	-46.49	0.00	0.00	0.00
5,500.00	5.00	180.00	5,497.80	-55.21	0.00	-55.21	0.00	0.00	0.00
5,600.00	5.00	180.00	5,597.42	-63.92	0.00	-63.92	0.00	0.00	0.00
5,627.68	5.00	180.00	5,625.00	-66.34	0.00	-66.34	0.00	0.00	0.00
Brushy Canyon									
5,700.00	5.00	180.00	5,697.04	-72.64	0.00	-72.64	0.00	0.00	0.00
5,800.00	5.00	180.00	5,796.66	-81.35	0.00	-81.35	0.00	0.00	0.00
5,900.00	5.00	180.00	5,896.28	-90.07	0.00	-90.07	0.00	0.00	0.00
5,941.93	5.00	180.00	5,938.05	-93.72	0.00	-93.72	0.00	0.00	0.00
6,000.00	4.13	180.00	5,995.93	-98.35	0.00	-98.35	1.50	-1.50	0.00
6,100.00	2.63	180.00	6,095.76	-104.24	0.00	-104.24	1.50	-1.50	0.00
6,200.00	1.13	180.00	6,195.70	-107.52	0.00	-107.52	1.50	-1.50	0.00
6,275.27	0.00	0.00	6,270.96	-108.26	0.00	-108.26	1.50	-1.50	0.00
6,300.00	0.00	0.00	6,295.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,400.00	0.00	0.00	6,395.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,500.00	0.00	0.00	6,495.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,600.00	0.00	0.00	6,595.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,700.00	0.00	0.00	6,695.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,800.00	0.00	0.00	6,795.70	-108.26	0.00	-108.26	0.00	0.00	0.00
6,888.30	0.00	0.00	6,884.00	-108.26	0.00	-108.26	0.00	0.00	0.00
Bone Spring Lm									
6,900.00	0.00	0.00	6,895.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,000.00	0.00	0.00	6,995.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,082.30	0.00	0.00	7,078.00	-108.26	0.00	-108.26	0.00	0.00	0.00
Avalon Sh									
7,100.00	0.00	0.00	7,095.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,200.00	0.00	0.00	7,195.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,300.00	0.00	0.00	7,295.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,400.00	0.00	0.00	7,395.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,409.30	0.00	0.00	7,405.00	-108.26	0.00	-108.26	0.00	0.00	0.00
Avalon Lm									
7,500.00	0.00	0.00	7,495.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,600.00	0.00	0.00	7,595.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,700.00	0.00	0.00	7,695.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,795.30	0.00	0.00	7,791.00	-108.26	0.00	-108.26	0.00	0.00	0.00
1st Bone Spring Lm									
7,800.00	0.00	0.00	7,795.70	-108.26	0.00	-108.26	0.00	0.00	0.00
7,828.30	0.00	0.00	7,824.00	-108.26	0.00	-108.26	0.00	0.00	0.00
1st Bone Spring Ss									
7,900.00	0.00	0.00	7,895.70	-108.26	0.00	-108.26	0.00	0.00	0.00

Planning Report

Database:	STRYKER_EDM	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Company:	XTO Energy	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Project:	Eddy County, NM (NAD27) NMEZ Grid	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site:	Corral Canyon 3-34 Fed	North Reference:	Grid
Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	CORRAL CANYON 3-34 FED 127H		
Design:	Plan #1		

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)
8,000.00	0.00	0.00	7,995.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,100.00	0.00	0.00	8,095.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,200.00	0.00	0.00	8,195.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,214.30	0.00	0.00	8,210.00	-108.26	0.00	-108.26	0.00	0.00	0.00
2nd Bone Spring Lm									
8,300.00	0.00	0.00	8,295.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,400.00	0.00	0.00	8,395.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,500.00	0.00	0.00	8,495.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,600.00	0.00	0.00	8,595.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,690.30	0.00	0.00	8,686.00	-108.26	0.00	-108.26	0.00	0.00	0.00
2nd Bone Spring Ss									
8,700.00	0.00	0.00	8,695.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,800.00	0.00	0.00	8,795.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,900.00	0.00	0.00	8,895.70	-108.26	0.00	-108.26	0.00	0.00	0.00
8,919.30	0.00	0.00	8,915.00	-108.26	0.00	-108.26	0.00	0.00	0.00
3rd Bone Spring Lm									
9,000.00	0.00	0.00	8,995.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,100.00	0.00	0.00	9,095.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,200.00	0.00	0.00	9,195.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,300.00	0.00	0.00	9,295.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,400.00	0.00	0.00	9,395.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,500.00	0.00	0.00	9,495.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,600.00	0.00	0.00	9,595.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,700.00	0.00	0.00	9,695.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,742.30	0.00	0.00	9,738.00	-108.26	0.00	-108.26	0.00	0.00	0.00
3rd Bone Spring Ss									
9,800.00	0.00	0.00	9,795.70	-108.26	0.00	-108.26	0.00	0.00	0.00
9,848.34	0.00	0.00	9,844.04	-108.26	0.00	-108.26	0.00	0.00	0.00
9,850.00	0.17	355.80	9,845.70	-108.26	0.00	-108.26	10.00	10.00	0.00
9,900.00	5.17	355.80	9,895.63	-105.94	-0.17	-105.94	10.00	10.00	0.00
9,950.00	10.17	355.80	9,945.16	-99.29	-0.66	-99.29	10.00	10.00	0.00
10,000.00	15.17	355.80	9,993.93	-88.36	-1.46	-88.36	10.00	10.00	0.00
10,050.00	20.17	355.80	10,041.56	-73.23	-2.57	-73.23	10.00	10.00	0.00
10,100.00	25.17	355.80	10,087.68	-54.02	-3.98	-54.02	10.00	10.00	0.00
10,148.90	30.06	355.80	10,131.00	-31.43	-5.64	-31.42	10.00	10.00	0.00
Wolfcamp									
10,150.00	30.17	355.80	10,131.95	-30.88	-5.68	-30.87	10.00	10.00	0.00
10,200.00	35.17	355.80	10,174.03	-3.97	-7.66	-3.97	10.00	10.00	0.00
10,250.00	40.17	355.80	10,213.60	26.49	-9.90	26.49	10.00	10.00	0.00
10,273.17	42.48	355.80	10,231.00	41.75	-11.02	41.76	10.00	10.00	0.00
Wolfcamp A									
10,300.00	45.17	355.80	10,250.35	60.28	-12.38	60.28	10.00	10.00	0.00
10,350.00	50.17	355.80	10,284.01	97.13	-15.08	97.13	10.00	10.00	0.00
10,400.00	55.17	355.80	10,314.33	136.76	-17.99	136.77	10.00	10.00	0.00
10,450.00	60.17	355.80	10,341.06	178.88	-21.09	178.89	10.00	10.00	0.00
10,500.00	65.17	355.80	10,364.01	223.17	-24.34	223.17	10.00	10.00	0.00
10,550.00	70.17	355.80	10,383.01	269.28	-27.72	269.29	10.00	10.00	0.00
10,600.00	75.17	355.80	10,397.90	316.86	-31.22	316.87	10.00	10.00	0.00
10,650.00	80.17	355.80	10,408.58	365.56	-34.80	365.57	10.00	10.00	0.00
10,700.00	85.17	355.80	10,414.96	415.00	-38.43	415.02	10.00	10.00	0.00
10,748.34	90.00	355.80	10,417.00	463.16	-41.96	463.17	10.00	10.00	0.00

LP

Planning Report

Database: STRYKER_EDM

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -
Slot CORRAL CANYON 3-34 FED 127H SHL

Company: XTO Energy

TVD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Project: Eddy County, NM (NAD27) NMEZ Grid

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site: Corral Canyon 3-34 Fed

North Reference:

Grid

Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Wellbore: CORRAL CANYON 3-34 FED 127H

Design: Plan #1

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)
10,800.00	90.00	357.35	10,417.00	514.72	-45.05	514.74	3.00	0.00	3.00
10,887.93	90.00	359.99	10,417.00	602.62	-47.09	602.64	3.00	0.00	3.00
10,900.00	90.00	359.99	10,417.00	614.69	-47.09	614.71	0.00	0.00	0.00
11,000.00	90.00	359.99	10,417.00	714.69	-47.12	714.71	0.00	0.00	0.00
11,100.00	90.00	359.99	10,417.00	814.69	-47.14	814.71	0.00	0.00	0.00
11,200.00	90.00	359.99	10,417.00	914.69	-47.16	914.71	0.00	0.00	0.00
11,300.00	90.00	359.99	10,417.00	1,014.69	-47.18	1,014.71	0.00	0.00	0.00
11,400.00	90.00	359.99	10,417.00	1,114.69	-47.20	1,114.71	0.00	0.00	0.00
11,500.00	90.00	359.99	10,417.00	1,214.69	-47.22	1,214.71	0.00	0.00	0.00
11,600.00	90.00	359.99	10,417.00	1,314.69	-47.24	1,314.71	0.00	0.00	0.00
11,700.00	90.00	359.99	10,417.00	1,414.69	-47.27	1,414.71	0.00	0.00	0.00
11,800.00	90.00	359.99	10,417.00	1,514.69	-47.29	1,514.71	0.00	0.00	0.00
11,900.00	90.00	359.99	10,417.00	1,614.69	-47.31	1,614.71	0.00	0.00	0.00
12,000.00	90.00	359.99	10,417.00	1,714.69	-47.33	1,714.71	0.00	0.00	0.00
12,100.00	90.00	359.99	10,417.00	1,814.69	-47.35	1,814.71	0.00	0.00	0.00
12,200.00	90.00	359.99	10,417.00	1,914.69	-47.37	1,914.71	0.00	0.00	0.00
12,300.00	90.00	359.99	10,417.00	2,014.69	-47.40	2,014.71	0.00	0.00	0.00
12,400.00	90.00	359.99	10,417.00	2,114.69	-47.42	2,114.71	0.00	0.00	0.00
12,500.00	90.00	359.99	10,417.00	2,214.69	-47.44	2,214.71	0.00	0.00	0.00
12,600.00	90.00	359.99	10,417.00	2,314.69	-47.46	2,314.71	0.00	0.00	0.00
12,700.00	90.00	359.99	10,417.00	2,414.69	-47.48	2,414.71	0.00	0.00	0.00
12,800.00	90.00	359.99	10,417.00	2,514.69	-47.50	2,514.71	0.00	0.00	0.00
12,900.00	90.00	359.99	10,417.00	2,614.69	-47.52	2,614.71	0.00	0.00	0.00
13,000.00	90.00	359.99	10,417.00	2,714.69	-47.55	2,714.71	0.00	0.00	0.00
13,100.00	90.00	359.99	10,417.00	2,814.69	-47.57	2,814.71	0.00	0.00	0.00
13,200.00	90.00	359.99	10,417.00	2,914.69	-47.59	2,914.71	0.00	0.00	0.00
13,300.00	90.00	359.99	10,417.00	3,014.69	-47.61	3,014.71	0.00	0.00	0.00
13,400.00	90.00	359.99	10,417.00	3,114.69	-47.63	3,114.71	0.00	0.00	0.00
13,500.00	90.00	359.99	10,417.00	3,214.69	-47.65	3,214.71	0.00	0.00	0.00
13,600.00	90.00	359.99	10,417.00	3,314.69	-47.68	3,314.71	0.00	0.00	0.00
13,700.00	90.00	359.99	10,417.00	3,414.69	-47.70	3,414.71	0.00	0.00	0.00
13,800.00	90.00	359.99	10,417.00	3,514.69	-47.72	3,514.71	0.00	0.00	0.00
13,900.00	90.00	359.99	10,417.00	3,614.69	-47.74	3,614.71	0.00	0.00	0.00
14,000.00	90.00	359.99	10,417.00	3,714.69	-47.76	3,714.71	0.00	0.00	0.00
14,100.00	90.00	359.99	10,417.00	3,814.69	-47.78	3,814.71	0.00	0.00	0.00
14,200.00	90.00	359.99	10,417.00	3,914.69	-47.80	3,914.71	0.00	0.00	0.00
14,300.00	90.00	359.99	10,417.00	4,014.69	-47.83	4,014.71	0.00	0.00	0.00
14,400.00	90.00	359.99	10,417.00	4,114.69	-47.85	4,114.71	0.00	0.00	0.00
14,500.00	90.00	359.99	10,417.00	4,214.69	-47.87	4,214.71	0.00	0.00	0.00
14,600.00	90.00	359.99	10,417.00	4,314.69	-47.89	4,314.71	0.00	0.00	0.00
14,700.00	90.00	359.99	10,417.00	4,414.69	-47.91	4,414.71	0.00	0.00	0.00
14,800.00	90.00	359.99	10,417.00	4,514.69	-47.93	4,514.71	0.00	0.00	0.00
14,900.00	90.00	359.99	10,417.00	4,614.69	-47.96	4,614.71	0.00	0.00	0.00
15,000.00	90.00	359.99	10,417.00	4,714.69	-47.98	4,714.71	0.00	0.00	0.00
15,100.00	90.00	359.99	10,417.00	4,814.69	-48.00	4,814.71	0.00	0.00	0.00
15,200.00	90.00	359.99	10,417.00	4,914.69	-48.02	4,914.71	0.00	0.00	0.00
15,300.00	90.00	359.99	10,417.00	5,014.69	-48.04	5,014.71	0.00	0.00	0.00
15,400.00	90.00	359.99	10,417.00	5,114.69	-48.06	5,114.71	0.00	0.00	0.00
15,500.00	90.00	359.99	10,417.00	5,214.69	-48.08	5,214.71	0.00	0.00	0.00
15,570.61	90.00	359.99	10,417.00	5,285.30	-48.10	5,285.32	0.00	0.00	0.00

Planning Report

Database: STRYKER_EDM

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -
Slot CORRAL CANYON 3-34 FED 127H SHL

Company: XTO Energy

TVD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Project: Eddy County, NM (NAD27) NMEZ Grid

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site: Corral Canyon 3-34 Fed

North Reference:

Grid

Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Wellbore: CORRAL CANYON 3-34 FED 127H

Design: Plan #1

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
CORRAL CANYON 3-34 - plan hits target center - Point	0.00	0.01	0.00	0.00	0.00	418,969.00	613,619.60	32° 9' 4.788 N	103° 57' 58.353 W
CORRAL CANYON 3-34 - plan misses target center by 68.38usft at 9532.34usft MD (9528.04 TVD, -108.26 N, 0.00 E) - Point	0.00	0.00	9,528.04	-58.26	-46.65	418,910.74	613,572.95	32° 9' 4.213 N	103° 57' 58.898 W
CORRAL CANYON 3-34 - plan misses target center by 0.07usft at 15440.61usft MD (10417.00 TVD, 5155.30 N, -48.07 E) - Point	0.00	0.00	10,417.00	5,155.30	-48.00	424,124.30	613,571.60	32° 9' 55.808 N	103° 57' 58.707 W
CORRAL CANYON 3-34 - plan hits target center - Point	0.00	0.00	10,417.00	463.16	-41.96	419,432.16	613,577.64	32° 9' 9.373 N	103° 57' 58.822 W
CORRAL CANYON 3-34 - plan misses target center by 1.75usft at 10800.02usft MD (10417.00 TVD, 514.74 N, -45.05 E) - Point	0.00	0.00	10,417.00	514.70	-46.80	419,483.70	613,572.80	32° 9' 9.883 N	103° 57' 58.877 W
CORRAL CANYON 3-34 - plan hits target center - Rectangle (sides W100.00 H4,770.60 D0.00)	0.00	0.00	10,417.00	5,285.30	-48.10	424,254.30	613,571.50	32° 9' 57.095 N	103° 57' 58.703 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
566.00	566.00	Rustler			
823.00	823.00	Salado (Top Salt)			
2,957.00	2,957.00	Base Salt			
3,151.00	3,151.00	Delaware (Bell Canyon)			
4,054.00	4,054.00	Cherry Canyon			
5,627.68	5,625.00	Brushy Canyon			
6,888.30	6,884.00	Bone Spring Lm			
7,082.30	7,078.00	Avalon Sh			
7,409.30	7,405.00	Avalon Lm			
7,795.30	7,791.00	1st Bone Spring Lm			
7,828.30	7,824.00	1st Bone Spring Ss			
8,214.30	8,210.00	2nd Bone Spring Lm			
8,690.30	8,686.00	2nd Bone Spring Ss			
8,919.30	8,915.00	3rd Bone Spring Lm			
9,742.30	9,738.00	3rd Bone Spring Ss			
10,148.90	10,131.00	Wolfcamp			
10,273.17	10,231.00	Wolfcamp A			
10,748.34	10,417.00	LP			

Anticollision Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Reference Site:	Corral Canyon 3-34 Fed	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	CORRAL CANYON 3-34 FED 127H	Database:	STRYKER_EDM
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Reference	Plan #1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 50.00usft
Depth Range:	Unlimited
Results Limited by:	Maximum separation factor of 4.00
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Ellipsoid Separation
Casing Method:	Not applied

Survey Tool Program	Date	11/23/18
From (usft)	To (usft)	Survey (Wellbore)
0.00	15,570.61	Plan #1 (CORRAL CANYON 3-34 FED 12
		Tool Name
		MWD+IFR1+MS
		Description
		OWSG MWD + IFR1 + Multi-Station Correction

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Corral Canyon 3-34 Fed						
CORRAL CANYON 3-34 FED 108H - CORRAL CANYON	4,200.00	4,200.00	30.00	0.34	1.012	Level 2, CC, ES, SF
CORRAL CANYON 3-34 FED 128H - CORRAL CANYON	4,200.00	4,200.00	30.00	0.34	1.012	Level 2, CC, ES, SF
CORRAL CANYON 3-34 FED 907H - CORRAL CANYON	4,500.00	4,500.00	30.10	-1.71	0.946	Level 1, CC
CORRAL CANYON 3-34 FED 907H - CORRAL CANYON	4,600.00	4,599.76	30.49	-2.00	0.938	Level 1, ES, SF

Offset Design														Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 108H - CORRAL CANYON 3-34 FED 108H - P		Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS																Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
1,150.00	1,150.00	1,150.00	1,150.00	3.89	3.89	89.81	0.10	30.00	30.00	22.21	7.79	3.851					
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	89.81	0.10	30.00	30.00	21.85	8.15	3.682					
1,250.00	1,250.00	1,250.00	1,250.00	4.25	4.25	89.81	0.10	30.00	30.00	21.49	8.51	3.527					
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	89.81	0.10	30.00	30.00	21.14	8.87	3.384					
1,350.00	1,350.00	1,350.00	1,350.00	4.61	4.61	89.81	0.10	30.00	30.00	20.78	9.22	3.253					
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	89.81	0.10	30.00	30.00	20.42	9.58	3.131					
1,450.00	1,450.00	1,450.00	1,450.00	4.97	4.97	89.81	0.10	30.00	30.00	20.06	9.94	3.018					
1,500.00	1,500.00	1,500.00	1,500.00	5.15	5.15	89.81	0.10	30.00	30.00	19.70	10.30	2.913					
1,550.00	1,550.00	1,550.00	1,550.00	5.33	5.33	89.81	0.10	30.00	30.00	19.34	10.66	2.815					
1,600.00	1,600.00	1,600.00	1,600.00	5.51	5.51	89.81	0.10	30.00	30.00	18.98	11.02	2.723					
1,650.00	1,650.00	1,650.00	1,650.00	5.69	5.69	89.81	0.10	30.00	30.00	18.63	11.37	2.638					
1,700.00	1,700.00	1,700.00	1,700.00	5.87	5.87	89.81	0.10	30.00	30.00	18.27	11.73	2.557					
1,750.00	1,750.00	1,750.00	1,750.00	6.05	6.05	89.81	0.10	30.00	30.00	17.91	12.09	2.481					
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	89.81	0.10	30.00	30.00	17.55	12.45	2.410					
1,850.00	1,850.00	1,850.00	1,850.00	6.40	6.40	89.81	0.10	30.00	30.00	17.19	12.81	2.342					
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	89.81	0.10	30.00	30.00	16.83	13.17	2.278					
1,950.00	1,950.00	1,950.00	1,950.00	6.76	6.76	89.81	0.10	30.00	30.00	16.48	13.53	2.218					
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	89.81	0.10	30.00	30.00	16.12	13.88	2.161					
2,050.00	2,050.00	2,050.00	2,050.00	7.12	7.12	89.81	0.10	30.00	30.00	15.76	14.24	2.106					
2,100.00	2,100.00	2,100.00	2,100.00	7.30	7.30	89.81	0.10	30.00	30.00	15.40	14.60	2.055					
2,150.00	2,150.00	2,150.00	2,150.00	7.48	7.48	89.81	0.10	30.00	30.00	15.04	14.96	2.005					
2,200.00	2,200.00	2,200.00	2,200.00	7.66	7.66	89.81	0.10	30.00	30.00	14.68	15.32	1.959					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company: XTO Energy

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -

Project: Eddy County, NM (NAD27) NMEZ Grid

TVD Reference:

Slot CORRAL CANYON 3-34 FED 127H SHL

Reference Site: Corral Canyon 3-34 Fed

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site Error: 0.00 usft

North Reference:

3034+27 @ 3061.00usft (ScanProducer)

Reference Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Grid

Well Error: 0.00 usft

Output errors are at

Minimum Curvature

Reference Wellbore: CORRAL CANYON 3-34 FED 127H

Database:

2.00 sigma

Reference Design: Plan #1

Offset TVD Reference:

STRYKER_EDM

Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 108H - CORRAL CANYON 3-34 FED 108H - P												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)					
2,250.00	2,250.00	2,250.00	2,250.00	7.84	7.84	89.81	0.10	30.00	30.00	14.32	15.68	1.914	
2,300.00	2,300.00	2,300.00	2,300.00	8.02	8.02	89.81	0.10	30.00	30.00	13.97	16.03	1.871	
2,350.00	2,350.00	2,350.00	2,350.00	8.20	8.20	89.81	0.10	30.00	30.00	13.61	16.39	1.830	
2,400.00	2,400.00	2,400.00	2,400.00	8.38	8.38	89.81	0.10	30.00	30.00	13.25	16.75	1.791	
2,450.00	2,450.00	2,450.00	2,450.00	8.55	8.55	89.81	0.10	30.00	30.00	12.89	17.11	1.753	
2,500.00	2,500.00	2,500.00	2,500.00	8.73	8.73	89.81	0.10	30.00	30.00	12.53	17.47	1.717	
2,550.00	2,550.00	2,550.00	2,550.00	8.91	8.91	89.81	0.10	30.00	30.00	12.17	17.83	1.683	
2,600.00	2,600.00	2,600.00	2,600.00	9.09	9.09	89.81	0.10	30.00	30.00	11.81	18.19	1.650	
2,650.00	2,650.00	2,650.00	2,650.00	9.27	9.27	89.81	0.10	30.00	30.00	11.45	18.54	1.618	
2,700.00	2,700.00	2,700.00	2,700.00	9.45	9.45	89.81	0.10	30.00	30.00	11.10	18.90	1.587	
2,750.00	2,750.00	2,750.00	2,750.00	9.63	9.63	89.81	0.10	30.00	30.00	10.74	19.26	1.558	
2,800.00	2,800.00	2,800.00	2,800.00	9.81	9.81	89.81	0.10	30.00	30.00	10.38	19.62	1.529	
2,850.00	2,850.00	2,850.00	2,850.00	9.99	9.99	89.81	0.10	30.00	30.00	10.02	19.98	1.502	
2,900.00	2,900.00	2,900.00	2,900.00	10.17	10.17	89.81	0.10	30.00	30.00	9.66	20.34	1.475 Level 3	
2,950.00	2,950.00	2,950.00	2,950.00	10.35	10.35	89.81	0.10	30.00	30.00	9.31	20.69	1.450 Level 3	
3,000.00	3,000.00	3,000.00	3,000.00	10.53	10.53	89.81	0.10	30.00	30.00	8.95	21.05	1.425 Level 3	
3,050.00	3,050.00	3,050.00	3,050.00	10.71	10.71	89.81	0.10	30.00	30.00	8.59	21.41	1.401 Level 3	
3,100.00	3,100.00	3,100.00	3,100.00	10.88	10.88	89.81	0.10	30.00	30.00	8.23	21.77	1.378 Level 3	
3,150.00	3,150.00	3,150.00	3,150.00	11.06	11.06	89.81	0.10	30.00	30.00	7.87	22.13	1.356 Level 3	
3,200.00	3,200.00	3,200.00	3,200.00	11.24	11.24	89.81	0.10	30.00	30.00	7.51	22.49	1.334 Level 3	
3,250.00	3,250.00	3,250.00	3,250.00	11.42	11.42	89.81	0.10	30.00	30.00	7.15	22.85	1.313 Level 3	
3,300.00	3,300.00	3,300.00	3,300.00	11.60	11.60	89.81	0.10	30.00	30.00	6.80	23.20	1.293 Level 3	
3,350.00	3,350.00	3,350.00	3,350.00	11.78	11.78	89.81	0.10	30.00	30.00	6.44	23.56	1.273 Level 3	
3,400.00	3,400.00	3,400.00	3,400.00	11.96	11.96	89.81	0.10	30.00	30.00	6.08	23.92	1.254 Level 3	
3,450.00	3,450.00	3,450.00	3,450.00	12.14	12.14	89.81	0.10	30.00	30.00	5.72	24.28	1.236 Level 2	
3,500.00	3,500.00	3,500.00	3,500.00	12.32	12.32	89.81	0.10	30.00	30.00	5.36	24.64	1.218 Level 2	
3,550.00	3,550.00	3,550.00	3,550.00	12.50	12.50	89.81	0.10	30.00	30.00	5.00	25.00	1.200 Level 2	
3,600.00	3,600.00	3,600.00	3,600.00	12.68	12.68	89.81	0.10	30.00	30.00	4.65	25.35	1.183 Level 2	
3,650.00	3,650.00	3,650.00	3,650.00	12.86	12.86	89.81	0.10	30.00	30.00	4.29	25.71	1.167 Level 2	
3,700.00	3,700.00	3,700.00	3,700.00	13.04	13.04	89.81	0.10	30.00	30.00	3.93	26.07	1.151 Level 2	
3,750.00	3,750.00	3,750.00	3,750.00	13.22	13.22	89.81	0.10	30.00	30.00	3.57	26.43	1.135 Level 2	
3,800.00	3,800.00	3,800.00	3,800.00	13.39	13.39	89.81	0.10	30.00	30.00	3.21	26.79	1.120 Level 2	
3,850.00	3,850.00	3,850.00	3,850.00	13.57	13.57	89.81	0.10	30.00	30.00	2.85	27.15	1.105 Level 2	
3,900.00	3,900.00	3,900.00	3,900.00	13.75	13.75	89.81	0.10	30.00	30.00	2.49	27.51	1.091 Level 2	
3,950.00	3,950.00	3,950.00	3,950.00	13.93	13.93	89.81	0.10	30.00	30.00	2.14	27.86	1.077 Level 2	
4,000.00	4,000.00	4,000.00	4,000.00	14.11	14.11	89.81	0.10	30.00	30.00	1.78	28.22	1.063 Level 2	
4,050.00	4,050.00	4,050.00	4,050.00	14.29	14.29	89.81	0.10	30.00	30.00	1.42	28.58	1.050 Level 2	
4,100.00	4,100.00	4,100.00	4,100.00	14.47	14.47	89.81	0.10	30.00	30.00	1.06	28.94	1.037 Level 2	
4,150.00	4,150.00	4,150.00	4,150.00	14.65	14.65	89.81	0.10	30.00	30.00	0.70	29.30	1.024 Level 2	
4,200.00	4,200.00	4,200.00	4,200.00	14.83	14.83	89.81	0.10	30.00	30.00	0.34	29.66	1.012 Level 2, CC, ES, SF	
4,250.00	4,250.00	4,249.48	4,249.48	15.01	15.00	89.90	0.05	30.42	30.43	0.44	29.99	1.015 Level 2	
4,300.00	4,300.00	4,298.93	4,298.91	15.19	15.17	90.15	-0.08	31.70	31.72	1.43	30.28	1.047 Level 2	
4,350.00	4,350.00	4,348.32	4,348.26	15.37	15.34	90.52	-0.31	33.82	33.86	3.30	30.56	1.108 Level 2	
4,400.00	4,400.00	4,397.63	4,397.47	15.55	15.51	90.97	-0.63	36.78	36.87	6.02	30.84	1.195 Level 2	
4,450.00	4,450.00	4,446.81	4,446.51	15.72	15.68	91.46	-1.03	40.56	40.73	9.60	31.13	1.308 Level 3	
4,500.00	4,500.00	4,495.85	4,495.33	15.90	15.84	91.93	-1.53	45.18	45.44	14.03	31.41	1.447 Level 3	
4,550.00	4,550.00	4,545.51	4,544.72	16.08	16.01	92.36	-2.08	50.33	50.65	18.87	31.78	1.594	
4,600.00	4,600.00	4,595.24	4,594.17	16.26	16.18	92.71	-2.63	55.50	55.87	23.71	32.16	1.737	
4,650.00	4,650.00	4,644.97	4,643.62	16.44	16.36	93.01	-3.19	60.67	61.09	28.57	32.52	1.878	
4,700.00	4,700.00	4,694.69	4,693.08	16.62	16.53	93.25	-3.74	65.84	66.31	33.42	32.88	2.016	
4,750.00	4,750.00	4,744.42	4,742.53	16.79	16.70	-86.73	-4.29	71.01	71.51	38.27	33.23	2.152	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Reference Site:	Corral Canyon 3-34 Fed	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	CORRAL CANYON 3-34 FED 127H	Database:	STRYKER_EDM
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 108H - CORRAL CANYON 3-34 FED 108H - P													Offset Site Error:	0.00 ush
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 ush
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ush)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (ush)	Between Centres (ush)	Between Ellipses (ush)	Minimum Separation (ush)	Separation Factor		
4,800.00	4,799.99	4,794.15	4,791.99	16.96	16.87	-87.19	-4.85	76.18	76.68	43.09	33.58	2.283		
4,850.00	4,849.96	4,843.86	4,841.43	17.12	17.04	-88.04	-5.40	81.34	81.83	47.91	33.92	2.412		
4,900.00	4,899.91	4,893.56	4,890.86	17.28	17.21	-89.21	-5.95	86.51	86.98	52.73	34.26	2.539		
4,950.00	4,949.82	4,943.24	4,940.26	17.44	17.38	-90.65	-6.51	91.67	92.18	57.59	34.59	2.665		
5,000.00	4,999.69	4,992.87	4,989.63	17.61	17.56	-92.31	-7.06	96.83	97.47	62.53	34.93	2.790		
5,050.00	5,049.51	5,042.47	5,038.95	17.77	17.73	-94.16	-7.61	101.99	102.87	67.60	35.27	2.917		
5,100.00	5,099.32	5,092.05	5,088.26	17.93	17.90	-95.95	-8.16	107.14	108.40	72.79	35.61	3.044		
5,150.00	5,149.13	5,141.64	5,137.58	18.09	18.07	-97.57	-8.71	112.29	114.01	78.07	35.95	3.172		
5,200.00	5,198.94	5,191.23	5,186.89	18.26	18.24	-99.03	-9.27	117.45	119.71	83.43	36.28	3.299		
5,250.00	5,248.75	5,240.81	5,236.20	18.42	18.42	-100.36	-9.82	122.60	125.48	88.86	36.62	3.426		
5,300.00	5,298.56	5,290.40	5,285.52	18.58	18.59	-101.57	-10.37	127.75	131.31	94.35	36.96	3.553		
5,350.00	5,348.37	5,339.98	5,334.83	18.75	18.76	-102.68	-10.92	132.91	137.19	99.89	37.30	3.678		
5,400.00	5,398.18	5,389.57	5,384.15	18.91	18.93	-103.70	-11.48	138.06	143.12	105.48	37.64	3.802		
5,450.00	5,447.99	5,439.15	5,433.46	19.07	19.11	-104.64	-12.03	143.21	149.09	111.11	37.98	3.926		

Anticollision Report

Company: XTO Energy

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -

Project: Eddy County, NM (NAD27) NMEZ Grid

TVD Reference:

Slot CORRAL CANYON 3-34 FED 127H SHL

Reference Site: Corral Canyon 3-34 Fed

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site Error: 0.00 usft

North Reference:

Grid

Reference Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Well Error: 0.00 usft

Output errors are at

2.00 sigma

Reference Wellbore: CORRAL CANYON 3-34 FED 127H

Database:

STRYKER_EDM

Reference Design: Plan #1

Offset TVD Reference:

Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 128H - CORRAL CANYON 3-34 FED 128H - P													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,150.00	1,150.00	1,150.00	1,150.00	3.89	3.89	89.81	0.10	30.00	30.00	22.21	7.79	3.851		
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	89.81	0.10	30.00	30.00	21.85	8.15	3.682		
1,250.00	1,250.00	1,250.00	1,250.00	4.25	4.25	89.81	0.10	30.00	30.00	21.49	8.51	3.527		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	89.81	0.10	30.00	30.00	21.14	8.87	3.384		
1,350.00	1,350.00	1,350.00	1,350.00	4.61	4.61	89.81	0.10	30.00	30.00	20.78	9.22	3.253		
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	89.81	0.10	30.00	30.00	20.42	9.58	3.131		
1,450.00	1,450.00	1,450.00	1,450.00	4.97	4.97	89.81	0.10	30.00	30.00	20.06	9.94	3.018		
1,500.00	1,500.00	1,500.00	1,500.00	5.15	5.15	89.81	0.10	30.00	30.00	19.70	10.30	2.913		
1,550.00	1,550.00	1,550.00	1,550.00	5.33	5.33	89.81	0.10	30.00	30.00	19.34	10.66	2.815		
1,600.00	1,600.00	1,600.00	1,600.00	5.51	5.51	89.81	0.10	30.00	30.00	18.98	11.02	2.723		
1,650.00	1,650.00	1,650.00	1,650.00	5.69	5.69	89.81	0.10	30.00	30.00	18.63	11.37	2.638		
1,700.00	1,700.00	1,700.00	1,700.00	5.87	5.87	89.81	0.10	30.00	30.00	18.27	11.73	2.557		
1,750.00	1,750.00	1,750.00	1,750.00	6.05	6.05	89.81	0.10	30.00	30.00	17.91	12.09	2.481		
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	89.81	0.10	30.00	30.00	17.55	12.45	2.410		
1,850.00	1,850.00	1,850.00	1,850.00	6.40	6.40	89.81	0.10	30.00	30.00	17.19	12.81	2.342		
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	89.81	0.10	30.00	30.00	16.83	13.17	2.278		
1,950.00	1,950.00	1,950.00	1,950.00	6.76	6.76	89.81	0.10	30.00	30.00	16.48	13.53	2.218		
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	89.81	0.10	30.00	30.00	16.12	13.88	2.161		
2,050.00	2,050.00	2,050.00	2,050.00	7.12	7.12	89.81	0.10	30.00	30.00	15.76	14.24	2.106		
2,100.00	2,100.00	2,100.00	2,100.00	7.30	7.30	89.81	0.10	30.00	30.00	15.40	14.60	2.055		
2,150.00	2,150.00	2,150.00	2,150.00	7.48	7.48	89.81	0.10	30.00	30.00	15.04	14.96	2.005		
2,200.00	2,200.00	2,200.00	2,200.00	7.66	7.66	89.81	0.10	30.00	30.00	14.68	15.32	1.959		
2,250.00	2,250.00	2,250.00	2,250.00	7.84	7.84	89.81	0.10	30.00	30.00	14.32	15.68	1.914		
2,300.00	2,300.00	2,300.00	2,300.00	8.02	8.02	89.81	0.10	30.00	30.00	13.97	16.03	1.871		
2,350.00	2,350.00	2,350.00	2,350.00	8.20	8.20	89.81	0.10	30.00	30.00	13.61	16.39	1.830		
2,400.00	2,400.00	2,400.00	2,400.00	8.38	8.38	89.81	0.10	30.00	30.00	13.25	16.75	1.791		
2,450.00	2,450.00	2,450.00	2,450.00	8.55	8.55	89.81	0.10	30.00	30.00	12.89	17.11	1.753		
2,500.00	2,500.00	2,500.00	2,500.00	8.73	8.73	89.81	0.10	30.00	30.00	12.53	17.47	1.717		
2,550.00	2,550.00	2,550.00	2,550.00	8.91	8.91	89.81	0.10	30.00	30.00	12.17	17.83	1.683		
2,600.00	2,600.00	2,600.00	2,600.00	9.09	9.09	89.81	0.10	30.00	30.00	11.81	18.19	1.650		
2,650.00	2,650.00	2,650.00	2,650.00	9.27	9.27	89.81	0.10	30.00	30.00	11.46	18.54	1.618		
2,700.00	2,700.00	2,700.00	2,700.00	9.45	9.45	89.81	0.10	30.00	30.00	11.10	18.90	1.587		
2,750.00	2,750.00	2,750.00	2,750.00	9.63	9.63	89.81	0.10	30.00	30.00	10.74	19.26	1.558		
2,800.00	2,800.00	2,800.00	2,800.00	9.81	9.81	89.81	0.10	30.00	30.00	10.38	19.62	1.529		
2,850.00	2,850.00	2,850.00	2,850.00	9.99	9.99	89.81	0.10	30.00	30.00	10.02	19.98	1.502		
2,900.00	2,900.00	2,900.00	2,900.00	10.17	10.17	89.81	0.10	30.00	30.00	9.66	20.34	1.475 Level 3		
2,950.00	2,950.00	2,950.00	2,950.00	10.35	10.35	89.81	0.10	30.00	30.00	9.31	20.69	1.450 Level 3		
3,000.00	3,000.00	3,000.00	3,000.00	10.53	10.53	89.81	0.10	30.00	30.00	8.95	21.05	1.425 Level 3		
3,050.00	3,050.00	3,050.00	3,050.00	10.71	10.71	89.81	0.10	30.00	30.00	8.59	21.41	1.401 Level 3		
3,100.00	3,100.00	3,100.00	3,100.00	10.88	10.88	89.81	0.10	30.00	30.00	8.23	21.77	1.378 Level 3		
3,150.00	3,150.00	3,150.00	3,150.00	11.06	11.06	89.81	0.10	30.00	30.00	7.87	22.13	1.356 Level 3		
3,200.00	3,200.00	3,200.00	3,200.00	11.24	11.24	89.81	0.10	30.00	30.00	7.51	22.49	1.334 Level 3		
3,250.00	3,250.00	3,250.00	3,250.00	11.42	11.42	89.81	0.10	30.00	30.00	7.15	22.85	1.313 Level 3		
3,300.00	3,300.00	3,300.00	3,300.00	11.60	11.60	89.81	0.10	30.00	30.00	6.80	23.20	1.293 Level 3		
3,350.00	3,350.00	3,350.00	3,350.00	11.78	11.78	89.81	0.10	30.00	30.00	6.44	23.56	1.273 Level 3		
3,400.00	3,400.00	3,400.00	3,400.00	11.96	11.96	89.81	0.10	30.00	30.00	6.08	23.92	1.254 Level 3		
3,450.00	3,450.00	3,450.00	3,450.00	12.14	12.14	89.81	0.10	30.00	30.00	5.72	24.28	1.236 Level 2		
3,500.00	3,500.00	3,500.00	3,500.00	12.32	12.32	89.81	0.10	30.00	30.00	5.36	24.64	1.218 Level 2		
3,550.00	3,550.00	3,550.00	3,550.00	12.50	12.50	89.81	0.10	30.00	30.00	5.00	25.00	1.200 Level 2		
3,600.00	3,600.00	3,600.00	3,600.00	12.68	12.68	89.81	0.10	30.00	30.00	4.65	25.35	1.183 Level 2		
3,650.00	3,650.00	3,650.00	3,650.00	12.86	12.86	89.81	0.10	30.00	30.00	4.29	25.71	1.167 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Reference Site:	Corral Canyon 3-34 Fed	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	CORRAL CANYON 3-34 FED 127H	Database:	STRYKER_EDM
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 128H - CORRAL CANYON 3-34 FED 128H - P													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 ush
Reference		Offset		Semi Major Axis		Highside Tooface (")	Distance		Minimum Separation (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
3,700.00	3,700.00	3,700.00	3,700.00	13.04	13.04	89.81	0.10	30.00	30.00	3.93	26.07	1.151	Level 2	
3,750.00	3,750.00	3,750.00	3,750.00	13.22	13.22	89.81	0.10	30.00	30.00	3.57	26.43	1.135	Level 2	
3,800.00	3,800.00	3,800.00	3,800.00	13.39	13.39	89.81	0.10	30.00	30.00	3.21	26.79	1.120	Level 2	
3,850.00	3,850.00	3,850.00	3,850.00	13.57	13.57	89.81	0.10	30.00	30.00	2.85	27.15	1.105	Level 2	
3,900.00	3,900.00	3,900.00	3,900.00	13.75	13.75	89.81	0.10	30.00	30.00	2.49	27.51	1.091	Level 2	
3,950.00	3,950.00	3,950.00	3,950.00	13.93	13.93	89.81	0.10	30.00	30.00	2.14	27.86	1.077	Level 2	
4,000.00	4,000.00	4,000.00	4,000.00	14.11	14.11	89.81	0.10	30.00	30.00	1.78	28.22	1.063	Level 2	
4,050.00	4,050.00	4,050.00	4,050.00	14.29	14.29	89.81	0.10	30.00	30.00	1.42	28.58	1.050	Level 2	
4,100.00	4,100.00	4,100.00	4,100.00	14.47	14.47	89.81	0.10	30.00	30.00	1.06	28.94	1.037	Level 2	
4,150.00	4,150.00	4,150.00	4,150.00	14.65	14.65	89.81	0.10	30.00	30.00	0.70	29.30	1.024	Level 2	
4,200.00	4,200.00	4,200.00	4,200.00	14.83	14.83	89.81	0.10	30.00	30.00	0.34	29.66	1.012	Level 2, CC, ES, SF	
4,250.00	4,250.00	4,249.48	4,249.48	15.01	15.00	89.89	0.06	30.43	30.43	0.44	29.99	1.015	Level 2	
4,300.00	4,300.00	4,298.93	4,298.91	15.19	15.17	90.12	-0.07	31.70	31.72	1.44	30.28	1.047	Level 2	
4,350.00	4,350.00	4,348.32	4,348.25	15.37	15.34	90.47	-0.28	33.82	33.87	3.30	30.56	1.108	Level 2	
4,400.00	4,400.00	4,397.62	4,397.47	15.55	15.51	90.89	-0.57	36.78	36.87	6.03	30.84	1.195	Level 2	
4,450.00	4,450.00	4,446.81	4,446.50	15.72	15.68	91.33	-0.94	40.57	40.73	9.61	31.13	1.309	Level 3	
4,500.00	4,500.00	4,495.85	4,495.33	15.90	15.84	91.78	-1.40	45.19	45.45	14.04	31.41	1.447	Level 3	
4,550.00	4,550.00	4,545.51	4,544.71	16.08	16.01	92.17	-1.91	50.35	50.66	18.88	31.78	1.594		
4,600.00	4,600.00	4,595.24	4,594.17	16.26	16.19	92.50	-2.42	55.52	55.88	23.72	32.16	1.738		
4,650.00	4,650.00	4,644.96	4,643.62	16.44	16.36	92.77	-2.93	60.70	61.10	28.58	32.52	1.879		
4,700.00	4,700.00	4,694.69	4,693.07	16.62	16.53	92.99	-3.44	65.87	66.32	33.44	32.89	2.017		
4,750.00	4,750.00	4,744.42	4,742.53	16.79	16.70	-87.00	-3.96	71.04	71.53	38.29	33.23	2.152		
4,800.00	4,799.99	4,794.14	4,791.98	16.96	16.87	-87.47	-4.47	76.21	76.70	43.12	33.58	2.284		
4,850.00	4,849.96	4,843.86	4,841.43	17.12	17.04	-88.33	-4.98	81.39	81.86	47.94	33.92	2.413		
4,900.00	4,899.91	4,893.56	4,890.85	17.28	17.21	-89.52	-5.49	86.56	87.03	52.77	34.26	2.540		
4,950.00	4,949.82	4,943.23	4,940.25	17.44	17.38	-90.97	-6.00	91.72	92.25	57.65	34.60	2.666		
5,000.00	4,999.69	4,992.86	4,989.61	17.61	17.56	-92.63	-6.51	96.89	97.55	62.62	34.93	2.793		
5,050.00	5,049.51	5,042.45	5,038.93	17.77	17.73	-94.49	-7.02	102.04	102.98	67.71	35.27	2.920		
5,100.00	5,099.32	5,092.03	5,088.24	17.93	17.90	-96.28	-7.53	107.20	108.53	72.92	35.61	3.048		
5,150.00	5,149.13	5,141.62	5,137.55	18.09	18.07	-97.90	-8.04	112.36	114.18	78.23	35.95	3.176		
5,200.00	5,198.94	5,191.20	5,186.86	18.26	18.24	-99.37	-8.55	117.52	119.90	83.62	36.28	3.305		
5,250.00	5,248.75	5,240.78	5,236.17	18.42	18.42	-100.70	-9.06	122.67	125.70	89.08	36.62	3.432		
5,300.00	5,298.56	5,290.36	5,285.48	18.58	18.59	-101.91	-9.57	127.83	131.56	94.60	36.96	3.559		
5,350.00	5,348.37	5,339.94	5,334.79	18.75	18.76	-103.02	-10.08	132.99	137.47	100.17	37.30	3.685		
5,400.00	5,398.18	5,389.52	5,384.10	18.91	18.94	-104.04	-10.59	138.15	143.43	105.79	37.64	3.811		
5,450.00	5,447.99	5,439.11	5,433.41	19.07	19.11	-104.97	-11.10	143.31	149.43	111.45	37.98	3.934		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Reference Site:	Corral Canyon 3-34 Fed	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	CORRAL CANYON 3-34 FED 127H	Database:	STRYKER_EDM
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 907H - CORRAL CANYON 3-34 FED 907H - P													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
1,150.00	1,150.00	1,150.00	1,150.00	3.89	3.89	-90.38	-0.20	-30.10	30.10	22.31	7.79	3.864		
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	-90.38	-0.20	-30.10	30.10	21.95	8.15	3.694		
1,250.00	1,250.00	1,250.00	1,250.00	4.25	4.25	-90.38	-0.20	-30.10	30.10	21.59	8.51	3.539		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	-90.38	-0.20	-30.10	30.10	21.24	8.87	3.395		
1,350.00	1,350.00	1,350.00	1,350.00	4.61	4.61	-90.38	-0.20	-30.10	30.10	20.88	9.22	3.263		
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	-90.38	-0.20	-30.10	30.10	20.52	9.58	3.141		
1,450.00	1,450.00	1,450.00	1,450.00	4.97	4.97	-90.38	-0.20	-30.10	30.10	20.16	9.94	3.028		
1,500.00	1,500.00	1,500.00	1,500.00	5.15	5.15	-90.38	-0.20	-30.10	30.10	19.80	10.30	2.923		
1,550.00	1,550.00	1,550.00	1,550.00	5.33	5.33	-90.38	-0.20	-30.10	30.10	19.44	10.66	2.824		
1,600.00	1,600.00	1,600.00	1,600.00	5.51	5.51	-90.38	-0.20	-30.10	30.10	19.08	11.02	2.732		
1,650.00	1,650.00	1,650.00	1,650.00	5.69	5.69	-90.38	-0.20	-30.10	30.10	18.73	11.37	2.646		
1,700.00	1,700.00	1,700.00	1,700.00	5.87	5.87	-90.38	-0.20	-30.10	30.10	18.37	11.73	2.566		
1,750.00	1,750.00	1,750.00	1,750.00	6.05	6.05	-90.38	-0.20	-30.10	30.10	18.01	12.09	2.489		
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	-90.38	-0.20	-30.10	30.10	17.65	12.45	2.418		
1,850.00	1,850.00	1,850.00	1,850.00	6.40	6.40	-90.38	-0.20	-30.10	30.10	17.29	12.81	2.350		
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	-90.38	-0.20	-30.10	30.10	16.93	13.17	2.286		
1,950.00	1,950.00	1,950.00	1,950.00	6.76	6.76	-90.38	-0.20	-30.10	30.10	16.58	13.53	2.226		
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	-90.38	-0.20	-30.10	30.10	16.22	13.88	2.168		
2,050.00	2,050.00	2,050.00	2,050.00	7.12	7.12	-90.38	-0.20	-30.10	30.10	15.86	14.24	2.114		
2,100.00	2,100.00	2,100.00	2,100.00	7.30	7.30	-90.38	-0.20	-30.10	30.10	15.50	14.60	2.062		
2,150.00	2,150.00	2,150.00	2,150.00	7.48	7.48	-90.38	-0.20	-30.10	30.10	15.14	14.96	2.012		
2,200.00	2,200.00	2,200.00	2,200.00	7.66	7.66	-90.38	-0.20	-30.10	30.10	14.78	15.32	1.965		
2,250.00	2,250.00	2,250.00	2,250.00	7.84	7.84	-90.38	-0.20	-30.10	30.10	14.42	15.68	1.920		
2,300.00	2,300.00	2,300.00	2,300.00	8.02	8.02	-90.38	-0.20	-30.10	30.10	14.07	16.03	1.877		
2,350.00	2,350.00	2,350.00	2,350.00	8.20	8.20	-90.38	-0.20	-30.10	30.10	13.71	16.39	1.836		
2,400.00	2,400.00	2,400.00	2,400.00	8.38	8.38	-90.38	-0.20	-30.10	30.10	13.35	16.75	1.797		
2,450.00	2,450.00	2,450.00	2,450.00	8.55	8.55	-90.38	-0.20	-30.10	30.10	12.99	17.11	1.759		
2,500.00	2,500.00	2,500.00	2,500.00	8.73	8.73	-90.38	-0.20	-30.10	30.10	12.63	17.47	1.723		
2,550.00	2,550.00	2,550.00	2,550.00	8.91	8.91	-90.38	-0.20	-30.10	30.10	12.27	17.83	1.689		
2,600.00	2,600.00	2,600.00	2,600.00	9.09	9.09	-90.38	-0.20	-30.10	30.10	11.92	18.19	1.655		
2,650.00	2,650.00	2,650.00	2,650.00	9.27	9.27	-90.38	-0.20	-30.10	30.10	11.56	18.54	1.623		
2,700.00	2,700.00	2,700.00	2,700.00	9.45	9.45	-90.38	-0.20	-30.10	30.10	11.20	18.90	1.592		
2,750.00	2,750.00	2,750.00	2,750.00	9.63	9.63	-90.38	-0.20	-30.10	30.10	10.84	19.26	1.563		
2,800.00	2,800.00	2,800.00	2,800.00	9.81	9.81	-90.38	-0.20	-30.10	30.10	10.48	19.62	1.534		
2,850.00	2,850.00	2,850.00	2,850.00	9.99	9.99	-90.38	-0.20	-30.10	30.10	10.12	19.98	1.507		
2,900.00	2,900.00	2,900.00	2,900.00	10.17	10.17	-90.38	-0.20	-30.10	30.10	9.76	20.34	1.480 Level 3		
2,950.00	2,950.00	2,950.00	2,950.00	10.35	10.35	-90.38	-0.20	-30.10	30.10	9.41	20.69	1.455 Level 3		
3,000.00	3,000.00	3,000.00	3,000.00	10.53	10.53	-90.38	-0.20	-30.10	30.10	9.05	21.05	1.430 Level 3		
3,050.00	3,050.00	3,050.00	3,050.00	10.71	10.71	-90.38	-0.20	-30.10	30.10	8.69	21.41	1.406 Level 3		
3,100.00	3,100.00	3,100.00	3,100.00	10.88	10.88	-90.38	-0.20	-30.10	30.10	8.33	21.77	1.383 Level 3		
3,150.00	3,150.00	3,150.00	3,150.00	11.06	11.06	-90.38	-0.20	-30.10	30.10	7.97	22.13	1.360 Level 3		
3,200.00	3,200.00	3,200.00	3,200.00	11.24	11.24	-90.38	-0.20	-30.10	30.10	7.61	22.49	1.339 Level 3		
3,250.00	3,250.00	3,250.00	3,250.00	11.42	11.42	-90.38	-0.20	-30.10	30.10	7.25	22.85	1.318 Level 3		
3,300.00	3,300.00	3,300.00	3,300.00	11.60	11.60	-90.38	-0.20	-30.10	30.10	6.90	23.20	1.297 Level 3		
3,350.00	3,350.00	3,350.00	3,350.00	11.78	11.78	-90.38	-0.20	-30.10	30.10	6.54	23.56	1.277 Level 3		
3,400.00	3,400.00	3,400.00	3,400.00	11.96	11.96	-90.38	-0.20	-30.10	30.10	6.18	23.92	1.258 Level 3		
3,450.00	3,450.00	3,450.00	3,450.00	12.14	12.14	-90.38	-0.20	-30.10	30.10	5.82	24.28	1.240 Level 2		
3,500.00	3,500.00	3,500.00	3,500.00	12.32	12.32	-90.38	-0.20	-30.10	30.10	5.46	24.64	1.222 Level 2		
3,550.00	3,550.00	3,550.00	3,550.00	12.50	12.50	-90.38	-0.20	-30.10	30.10	5.10	25.00	1.204 Level 2		
3,600.00	3,600.00	3,600.00	3,600.00	12.68	12.68	-90.38	-0.20	-30.10	30.10	4.75	25.35	1.187 Level 2		
3,650.00	3,650.00	3,650.00	3,650.00	12.86	12.86	-90.38	-0.20	-30.10	30.10	4.39	25.71	1.171 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company: XTO Energy

Local Co-ordinate Reference:

Well CORRAL CANYON 3-34 FED 127H -
Slot CORRAL CANYON 3-34 FED 127H SHL

Project: Eddy County, NM (NAD27) NMEZ Grid

TVD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Reference Site: Corral Canyon 3-34 Fed

MD Reference:

3034+27 @ 3061.00usft (ScanProducer)

Site Error: 0.00 usft

North Reference:

Grid

Reference Well: CORRAL CANYON 3-34 FED 127H

Survey Calculation Method:

Minimum Curvature

Well Error: 0.00 usft

Output errors are at

2.00 sigma

Reference Wellbore: CORRAL CANYON 3-34 FED 127H

Database:

STRYKER_EDM

Reference Design: Plan #1

Offset TVD Reference:

Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 907H - CORRAL CANYON 3-34 FED 907H - P													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
3,700.00	3,700.00	3,700.00	3,700.00	13.04	13.04	-90.38	-0.20	-30.10	30.10	4.03	26.07	1.155 Level 2	
3,750.00	3,750.00	3,750.00	3,750.00	13.22	13.22	-90.38	-0.20	-30.10	30.10	3.67	26.43	1.139 Level 2	
3,800.00	3,800.00	3,800.00	3,800.00	13.39	13.39	-90.38	-0.20	-30.10	30.10	3.31	26.79	1.124 Level 2	
3,850.00	3,850.00	3,850.00	3,850.00	13.57	13.57	-90.38	-0.20	-30.10	30.10	2.95	27.15	1.109 Level 2	
3,900.00	3,900.00	3,900.00	3,900.00	13.75	13.75	-90.38	-0.20	-30.10	30.10	2.60	27.51	1.094 Level 2	
3,950.00	3,950.00	3,950.00	3,950.00	13.93	13.93	-90.38	-0.20	-30.10	30.10	2.24	27.86	1.080 Level 2	
4,000.00	4,000.00	4,000.00	4,000.00	14.11	14.11	-90.38	-0.20	-30.10	30.10	1.88	28.22	1.067 Level 2	
4,050.00	4,050.00	4,050.00	4,050.00	14.29	14.29	-90.38	-0.20	-30.10	30.10	1.52	28.58	1.053 Level 2	
4,100.00	4,100.00	4,100.00	4,100.00	14.47	14.47	-90.38	-0.20	-30.10	30.10	1.16	28.94	1.040 Level 2	
4,150.00	4,150.00	4,150.00	4,150.00	14.65	14.65	-90.38	-0.20	-30.10	30.10	0.80	29.30	1.027 Level 2	
4,200.00	4,200.00	4,200.00	4,200.00	14.83	14.83	-90.38	-0.20	-30.10	30.10	0.44	29.66	1.015 Level 2	
4,250.00	4,250.00	4,250.00	4,250.00	15.01	15.01	-90.38	-0.20	-30.10	30.10	0.09	30.01	1.003 Level 2	
4,300.00	4,300.00	4,300.00	4,300.00	15.19	15.19	-90.38	-0.20	-30.10	30.10	-0.27	30.37	0.991 Level 1	
4,350.00	4,350.00	4,350.00	4,350.00	15.37	15.37	-90.38	-0.20	-30.10	30.10	-0.63	30.73	0.979 Level 1	
4,400.00	4,400.00	4,400.00	4,400.00	15.55	15.55	-90.38	-0.20	-30.10	30.10	-0.99	31.09	0.968 Level 1	
4,450.00	4,450.00	4,450.00	4,450.00	15.72	15.72	-90.38	-0.20	-30.10	30.10	-1.35	31.45	0.957 Level 1	
4,500.00	4,500.00	4,500.00	4,500.00	15.90	15.90	-90.38	-0.20	-30.10	30.10	-1.71	31.81	0.946 Level 1, CC	
4,550.00	4,550.00	4,549.89	4,549.89	16.08	16.07	-90.97	-0.51	-30.19	30.19	-1.96	32.15	0.939 Level 1	
4,600.00	4,600.00	4,599.76	4,599.75	16.26	16.24	-92.73	-1.45	-30.46	30.49	-2.00	32.50	0.938 Level 1, ES, SF	
4,650.00	4,650.00	4,649.59	4,649.55	16.44	16.40	-95.58	-3.02	-30.90	31.05	-1.77	32.82	0.946 Level 1	
4,700.00	4,700.00	4,699.38	4,699.29	16.62	16.57	-99.37	-5.20	-31.53	31.96	-1.17	33.13	0.965 Level 1	
4,750.00	4,750.00	4,749.11	4,748.94	16.79	16.73	76.61	-8.01	-32.33	33.24	-0.18	33.42	0.995 Level 1	
4,800.00	4,799.99	4,798.81	4,798.51	16.96	16.89	73.03	-11.43	-33.30	34.84	1.13	33.71	1.033 Level 2	
4,850.00	4,849.96	4,848.56	4,848.08	17.12	17.05	69.95	-15.45	-34.45	36.70	2.70	34.00	1.079 Level 2	
4,900.00	4,899.91	4,898.51	4,897.84	17.28	17.21	67.87	-19.64	-35.64	38.50	4.17	34.33	1.121 Level 2	
4,950.00	4,949.82	4,948.48	4,947.62	17.44	17.37	66.83	-23.83	-36.84	40.08	5.42	34.66	1.156 Level 2	
5,000.00	4,999.69	4,998.46	4,997.41	17.61	17.54	66.71	-28.02	-38.03	41.42	6.42	34.99	1.184 Level 2	
5,050.00	5,049.51	5,048.45	5,047.21	17.77	17.70	67.36	-32.21	-39.22	42.51	7.18	35.33	1.203 Level 2	
5,100.00	5,099.32	5,098.44	5,097.00	17.93	17.87	68.17	-36.40	-40.42	43.55	7.89	35.66	1.221 Level 2	
5,150.00	5,149.13	5,148.42	5,146.80	18.09	18.03	68.94	-40.59	-41.61	44.60	8.61	36.00	1.239 Level 2	
5,200.00	5,198.94	5,198.45	5,196.64	18.26	18.19	69.67	-44.78	-42.81	45.66	9.32	36.33	1.257 Level 3	
5,250.00	5,248.75	5,248.79	5,246.82	18.42	18.36	70.79	-48.60	-43.90	46.49	9.79	36.70	1.267 Level 3	
5,300.00	5,298.56	5,299.11	5,297.03	18.58	18.53	72.54	-51.79	-44.81	46.97	9.92	37.06	1.268 Level 3	
5,350.00	5,348.37	5,349.40	5,347.25	18.75	18.69	74.93	-54.34	-45.53	47.15	9.75	37.41	1.261 Level 3	
5,400.00	5,398.18	5,399.64	5,397.45	18.91	18.86	78.01	-56.26	-46.08	47.11	9.36	37.75	1.248 Level 2	
5,450.00	5,447.99	5,449.82	5,447.61	19.07	19.03	81.80	-57.53	-46.44	46.92	8.84	38.08	1.232 Level 2	
5,500.00	5,497.80	5,499.91	5,497.70	19.24	19.19	86.36	-58.18	-46.63	46.72	8.30	38.42	1.216 Level 2	
5,535.03	5,532.69	5,534.91	5,532.69	19.35	19.32	90.00	-58.26	-46.65	46.65	8.00	38.65	1.207 Level 2	
5,550.00	5,547.61	5,549.82	5,547.61	19.40	19.37	91.60	-58.26	-46.65	46.67	7.91	38.76	1.204 Level 2	
5,600.00	5,597.42	5,599.63	5,597.42	19.57	19.55	96.90	-58.26	-46.65	46.99	7.89	39.10	1.202 Level 2	
5,650.00	5,647.23	5,649.44	5,647.23	19.73	19.72	102.08	-58.26	-46.65	47.71	8.27	39.44	1.210 Level 2	
5,700.00	5,697.04	5,699.25	5,697.04	19.90	19.90	107.07	-58.26	-46.65	48.82	9.03	39.79	1.227 Level 2	
5,750.00	5,746.85	5,749.06	5,746.85	20.07	20.08	111.81	-58.26	-46.65	50.27	10.14	40.13	1.253 Level 3	
5,800.00	5,796.66	5,798.87	5,796.66	20.23	20.26	116.25	-58.26	-46.65	52.05	11.58	40.48	1.286 Level 3	
5,850.00	5,846.47	5,848.68	5,846.47	20.40	20.44	120.38	-58.26	-46.65	54.13	13.30	40.82	1.326 Level 3	
5,900.00	5,896.28	5,898.49	5,896.28	20.57	20.61	124.19	-58.26	-46.65	56.46	15.29	41.17	1.371 Level 3	
5,950.00	5,946.09	5,948.30	5,946.09	20.73	20.79	127.68	-58.26	-46.65	59.02	17.51	41.52	1.422 Level 3	
6,000.00	5,995.93	5,998.15	5,995.93	20.90	20.97	130.60	-58.26	-46.65	61.51	19.65	41.86	1.469 Level 3	
6,050.00	6,045.83	6,048.04	6,045.83	21.07	21.15	132.86	-58.26	-46.65	63.69	21.48	42.21	1.509	
6,100.00	6,095.76	6,097.97	6,095.76	21.24	21.33	134.56	-58.26	-46.65	65.50	22.95	42.55	1.539	
6,150.00	6,145.72	6,147.93	6,145.72	21.40	21.51	135.77	-58.26	-46.65	66.90	23.99	42.90	1.559	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company: XTO Energy Local Co-ordinate Reference: Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL

Project: Eddy County, NM (NAD27) NMEZ Grid TVD Reference: 3034+27 @ 3061.00usft (ScanProducer)

Reference Site: Corral Canyon 3-34 Fed MD Reference: 3034+27 @ 3061.00usft (ScanProducer)

Site Error: 0.00 usft North Reference: Grid

Reference Well: CORRAL CANYON 3-34 FED 127H Survey Calculation Method: Minimum Curvature

Well Error: 0.00 usft Output errors are at 2.00 sigma

Reference Wellbore: CORRAL CANYON 3-34 FED 127H Database: STRYKER_EDM

Reference Design: Plan #1 Offset TVD Reference: Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 907H - CORRAL CANYON 3-34 FED 907H - P													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,200.00	6,195.70	6,197.91	6,195.70	21.57	21.69	136.55	-58.26	-46.65	67.84	24.59	43.25	1.569		
6,250.00	6,245.70	6,247.91	6,245.70	21.75	21.86	136.94	-58.26	-46.65	68.32	24.72	43.60	1.567		
6,300.00	6,295.70	6,297.91	6,295.70	21.92	22.04	-43.01	-58.26	-46.65	68.38	24.43	43.96	1.556		
6,350.00	6,345.70	6,347.91	6,345.70	22.10	22.22	-43.01	-58.26	-46.65	68.38	24.07	44.31	1.543		
6,400.00	6,395.70	6,397.91	6,395.70	22.28	22.40	-43.01	-58.26	-46.65	68.38	23.71	44.67	1.531		
6,450.00	6,445.70	6,447.91	6,445.70	22.46	22.58	-43.01	-58.26	-46.65	68.38	23.36	45.03	1.519		
6,500.00	6,495.70	6,497.91	6,495.70	22.63	22.76	-43.01	-58.26	-46.65	68.38	23.00	45.38	1.507		
6,550.00	6,545.70	6,547.91	6,545.70	22.81	22.94	-43.01	-58.26	-46.65	68.38	22.64	45.74	1.495 Level 3		
6,600.00	6,595.70	6,597.91	6,595.70	22.99	23.12	-43.01	-58.26	-46.65	68.38	22.29	46.10	1.483 Level 3		
6,650.00	6,645.70	6,647.91	6,645.70	23.17	23.29	-43.01	-58.26	-46.65	68.38	21.93	46.45	1.472 Level 3		
6,700.00	6,695.70	6,697.91	6,695.70	23.35	23.47	-43.01	-58.26	-46.65	68.38	21.57	46.81	1.461 Level 3		
6,750.00	6,745.70	6,747.91	6,745.70	23.52	23.65	-43.01	-58.26	-46.65	68.38	21.22	47.17	1.450 Level 3		
6,800.00	6,795.70	6,797.91	6,795.70	23.70	23.83	-43.01	-58.26	-46.65	68.38	20.86	47.52	1.439 Level 3		
6,850.00	6,845.70	6,847.91	6,845.70	23.88	24.01	-43.01	-58.26	-46.65	68.38	20.50	47.88	1.428 Level 3		
6,900.00	6,895.70	6,897.91	6,895.70	24.06	24.19	-43.01	-58.26	-46.65	68.38	20.15	48.24	1.418 Level 3		
6,950.00	6,945.70	6,947.91	6,945.70	24.24	24.37	-43.01	-58.26	-46.65	68.38	19.79	48.59	1.407 Level 3		
7,000.00	6,995.70	6,997.91	6,995.70	24.42	24.55	-43.01	-58.26	-46.65	68.38	19.43	48.95	1.397 Level 3		
7,050.00	7,045.70	7,047.91	7,045.70	24.59	24.72	-43.01	-58.26	-46.65	68.38	19.07	49.31	1.387 Level 3		
7,100.00	7,095.70	7,097.91	7,095.70	24.77	24.90	-43.01	-58.26	-46.65	68.38	18.72	49.67	1.377 Level 3		
7,150.00	7,145.70	7,147.91	7,145.70	24.95	25.08	-43.01	-58.26	-46.65	68.38	18.36	50.02	1.367 Level 3		
7,200.00	7,195.70	7,197.91	7,195.70	25.13	25.26	-43.01	-58.26	-46.65	68.38	18.00	50.38	1.357 Level 3		
7,250.00	7,245.70	7,247.91	7,245.70	25.31	25.44	-43.01	-58.26	-46.65	68.38	17.65	50.74	1.348 Level 3		
7,300.00	7,295.70	7,297.91	7,295.70	25.49	25.62	-43.01	-58.26	-46.65	68.38	17.29	51.09	1.338 Level 3		
7,350.00	7,345.70	7,347.91	7,345.70	25.66	25.80	-43.01	-58.26	-46.65	68.38	16.93	51.45	1.329 Level 3		
7,400.00	7,395.70	7,397.91	7,395.70	25.84	25.98	-43.01	-58.26	-46.65	68.38	16.57	51.81	1.320 Level 3		
7,450.00	7,445.70	7,447.91	7,445.70	26.02	26.16	-43.01	-58.26	-46.65	68.38	16.22	52.17	1.311 Level 3		
7,500.00	7,495.70	7,497.91	7,495.70	26.20	26.33	-43.01	-58.26	-46.65	68.38	15.86	52.52	1.302 Level 3		
7,550.00	7,545.70	7,547.91	7,545.70	26.38	26.51	-43.01	-58.26	-46.65	68.38	15.50	52.88	1.293 Level 3		
7,600.00	7,595.70	7,597.91	7,595.70	26.56	26.69	-43.01	-58.26	-46.65	68.38	15.14	53.24	1.284 Level 3		
7,650.00	7,645.70	7,647.91	7,645.70	26.73	26.87	-43.01	-58.26	-46.65	68.38	14.79	53.60	1.276 Level 3		
7,700.00	7,695.70	7,697.91	7,695.70	26.91	27.05	-43.01	-58.26	-46.65	68.38	14.43	53.95	1.267 Level 3		
7,750.00	7,745.70	7,747.91	7,745.70	27.09	27.23	-43.01	-58.26	-46.65	68.38	14.07	54.31	1.259 Level 3		
7,800.00	7,795.70	7,797.91	7,795.70	27.27	27.41	-43.01	-58.26	-46.65	68.38	13.72	54.67	1.251 Level 3		
7,850.00	7,845.70	7,847.91	7,845.70	27.45	27.59	-43.01	-58.26	-46.65	68.38	13.36	55.02	1.243 Level 2		
7,900.00	7,895.70	7,897.91	7,895.70	27.63	27.77	-43.01	-58.26	-46.65	68.38	13.00	55.38	1.235 Level 2		
7,950.00	7,945.70	7,947.91	7,945.70	27.80	27.95	-43.01	-58.26	-46.65	68.38	12.64	55.74	1.227 Level 2		
8,000.00	7,995.70	7,997.91	7,995.70	27.98	28.12	-43.01	-58.26	-46.65	68.38	12.29	56.10	1.219 Level 2		
8,050.00	8,045.70	8,047.91	8,045.70	28.16	28.30	-43.01	-58.26	-46.65	68.38	11.93	56.45	1.211 Level 2		
8,100.00	8,095.70	8,097.91	8,095.70	28.34	28.48	-43.01	-58.26	-46.65	68.38	11.57	56.81	1.204 Level 2		
8,150.00	8,145.70	8,147.91	8,145.70	28.52	28.66	-43.01	-58.26	-46.65	68.38	11.21	57.17	1.196 Level 2		
8,200.00	8,195.70	8,197.91	8,195.70	28.70	28.84	-43.01	-58.26	-46.65	68.38	10.86	57.53	1.189 Level 2		
8,250.00	8,245.70	8,247.91	8,245.70	28.88	29.02	-43.01	-58.26	-46.65	68.38	10.50	57.88	1.181 Level 2		
8,300.00	8,295.70	8,297.91	8,295.70	29.05	29.20	-43.01	-58.26	-46.65	68.38	10.14	58.24	1.174 Level 2		
8,350.00	8,345.70	8,347.91	8,345.70	29.23	29.38	-43.01	-58.26	-46.65	68.38	9.78	58.60	1.167 Level 2		
8,400.00	8,395.70	8,397.91	8,395.70	29.41	29.56	-43.01	-58.26	-46.65	68.38	9.43	58.96	1.160 Level 2		
8,450.00	8,445.70	8,447.91	8,445.70	29.59	29.73	-43.01	-58.26	-46.65	68.38	9.07	59.31	1.153 Level 2		
8,500.00	8,495.70	8,497.91	8,495.70	29.77	29.91	-43.01	-58.26	-46.65	68.38	8.71	59.67	1.146 Level 2		
8,550.00	8,545.70	8,547.91	8,545.70	29.95	30.09	-43.01	-58.26	-46.65	68.38	8.35	60.03	1.139 Level 2		
8,600.00	8,595.70	8,597.91	8,595.70	30.13	30.27	-43.01	-58.26	-46.65	68.38	8.00	60.39	1.132 Level 2		
8,650.00	8,645.70	8,647.91	8,645.70	30.30	30.45	-43.01	-58.26	-46.65	68.38	7.64	60.74	1.126 Level 2		
8,700.00	8,695.70	8,697.91	8,695.70	30.48	30.63	-43.01	-58.26	-46.65	68.38	7.28	61.10	1.119 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well CORRAL CANYON 3-34 FED 127H - Slot CORRAL CANYON 3-34 FED 127H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Reference Site:	Corral Canyon 3-34 Fed	MD Reference:	3034+27 @ 3061.00usft (ScanProducer)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	CORRAL CANYON 3-34 FED 127H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	CORRAL CANYON 3-34 FED 127H	Database:	STRYKER_EDM
Reference Design:	Plan #1	Offset TVD Reference:	Reference Datum

Offset Design Corral Canyon 3-34 Fed - CORRAL CANYON 3-34 FED 907H - CORRAL CANYON 3-34 FED 907H - P													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Tooface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N-S (usft)	+E-W (usft)						
8,750.00	8,745.70	8,747.91	8,745.70	30.86	30.81	-43.01	-58.26	-46.65	68.38	6.92	61.46	1.113	Level 2	
8,800.00	8,795.70	8,797.91	8,795.70	30.84	30.99	-43.01	-58.26	-46.65	68.38	6.57	61.82	1.106	Level 2	
8,850.00	8,845.70	8,847.91	8,845.70	31.02	31.17	-43.01	-58.26	-46.65	68.38	6.21	62.17	1.100	Level 2	
8,900.00	8,895.70	8,897.91	8,895.70	31.20	31.35	-43.01	-58.26	-46.65	68.38	5.85	62.53	1.094	Level 2	
8,950.00	8,945.70	8,947.91	8,945.70	31.38	31.52	-43.01	-58.26	-46.65	68.38	5.49	62.89	1.087	Level 2	
9,000.00	8,995.70	8,997.91	8,995.70	31.56	31.70	-43.01	-58.26	-46.65	68.38	5.14	63.25	1.081	Level 2	
9,050.00	9,045.70	9,047.91	9,045.70	31.73	31.88	-43.01	-58.26	-46.65	68.38	4.78	63.60	1.075	Level 2	
9,100.00	9,095.70	9,097.91	9,095.70	31.91	32.06	-43.01	-58.26	-46.65	68.38	4.42	63.96	1.069	Level 2	
9,150.00	9,145.70	9,147.91	9,145.70	32.09	32.24	-43.01	-58.26	-46.65	68.38	4.06	64.32	1.063	Level 2	
9,200.00	9,195.70	9,197.91	9,195.70	32.27	32.42	-43.01	-58.26	-46.65	68.38	3.71	64.68	1.057	Level 2	
9,250.00	9,245.70	9,247.91	9,245.70	32.45	32.60	-43.01	-58.26	-46.65	68.38	3.35	65.04	1.051	Level 2	
9,300.00	9,295.70	9,297.91	9,295.70	32.63	32.78	-43.01	-58.26	-46.65	68.38	2.99	65.39	1.046	Level 2	
9,350.00	9,345.70	9,347.91	9,345.70	32.81	32.96	-43.01	-58.26	-46.65	68.38	2.63	65.75	1.040	Level 2	
9,400.00	9,395.70	9,397.91	9,395.70	32.98	33.14	-43.01	-58.26	-46.65	68.38	2.27	66.11	1.034	Level 2	
9,450.00	9,445.70	9,447.91	9,445.70	33.16	33.31	-43.01	-58.26	-46.65	68.38	1.92	66.47	1.029	Level 2	
9,500.00	9,495.70	9,497.91	9,495.70	33.34	33.49	-43.01	-58.26	-46.65	68.38	1.56	66.82	1.023	Level 2	
9,504.25	9,499.95	9,502.16	9,499.95	33.36	33.51	-43.01	-58.26	-46.65	68.38	1.53	66.85	1.023	Level 2	
9,550.00	9,545.70	9,546.49	9,544.27	33.52	33.67	-42.88	-58.03	-46.65	68.57	1.44	67.12	1.021	Level 2	
9,600.00	9,595.70	9,592.23	9,589.90	33.70	33.83	-41.17	-54.91	-46.65	71.11	4.15	66.95	1.062	Level 2	
9,650.00	9,645.70	9,637.20	9,634.37	33.88	33.99	-37.89	-48.31	-46.65	76.81	10.44	66.37	1.157	Level 2	
9,700.00	9,695.70	9,680.88	9,676.94	34.06	34.14	-33.80	-38.57	-46.66	85.93	20.43	65.51	1.312	Level 3	
9,750.00	9,745.70	9,722.84	9,717.02	34.24	34.28	-29.62	-26.20	-46.66	98.66	34.18	64.48	1.530		
9,800.00	9,795.70	9,762.76	9,754.22	34.41	34.40	-25.80	-11.73	-46.66	114.96	51.61	63.36	1.815		
9,850.00	9,845.70	9,800.00	9,787.93	34.59	34.52	-18.33	4.07	-46.67	134.66	72.56	62.10	2.169		
9,900.00	9,895.63	9,836.62	9,820.01	34.77	34.62	-15.12	21.72	-46.67	155.48	94.55	60.94	2.552		
9,950.00	9,945.16	9,872.16	9,850.01	34.95	34.73	-12.74	40.76	-46.68	175.46	115.87	59.59	2.945		
10,000.00	9,993.93	9,907.13	9,878.32	35.12	34.83	-10.89	61.28	-46.68	194.43	136.29	58.15	3.344		
10,050.00	10,041.56	9,941.60	9,904.95	35.28	34.92	-9.40	83.17	-46.69	212.29	155.65	56.64	3.748		
14,700.00	10,417.00	14,330.25	10,101.00	49.40	48.46	0.01	4,414.69	-47.83	316.00	236.86	79.15	3.993		
14,750.00	10,417.00	14,380.25	10,101.00	49.66	48.72	0.01	4,464.69	-47.84	316.00	236.17	79.83	3.959		
14,800.00	10,417.00	14,430.25	10,101.00	49.92	48.98	0.01	4,514.69	-47.86	316.00	235.49	80.51	3.925		
14,850.00	10,417.00	14,480.25	10,101.00	50.18	49.24	0.01	4,564.69	-47.87	316.00	234.80	81.20	3.892		
14,900.00	10,417.00	14,530.25	10,101.00	50.44	49.51	0.01	4,614.69	-47.88	316.00	234.12	81.88	3.859		
14,950.00	10,417.00	14,580.25	10,101.00	50.70	49.78	0.01	4,664.69	-47.90	316.00	233.43	82.57	3.827		
15,000.00	10,417.00	14,630.25	10,101.00	50.97	50.04	0.01	4,714.69	-47.91	316.00	232.73	83.27	3.795		
15,050.00	10,417.00	14,680.25	10,101.00	51.24	50.31	0.01	4,764.69	-47.92	316.00	232.04	83.96	3.764		
15,100.00	10,417.00	14,730.25	10,101.00	51.51	50.59	0.01	4,814.69	-47.94	316.00	231.35	84.65	3.733		
15,150.00	10,417.00	14,780.25	10,101.00	51.78	50.86	0.01	4,864.69	-47.95	316.00	230.65	85.35	3.702		
15,200.00	10,417.00	14,830.25	10,101.00	52.05	51.13	0.01	4,914.69	-47.96	316.00	229.95	86.05	3.672		
15,250.00	10,417.00	14,880.25	10,101.00	52.32	51.41	0.01	4,964.69	-47.98	316.00	229.26	86.74	3.643		
15,300.00	10,417.00	14,930.25	10,101.00	52.59	51.68	0.01	5,014.69	-47.99	316.00	228.56	87.44	3.614		
15,350.00	10,417.00	14,980.25	10,101.00	52.87	51.96	0.01	5,064.69	-48.00	316.00	227.85	88.15	3.585		
15,400.00	10,417.00	15,030.25	10,101.00	53.15	52.24	0.01	5,114.69	-48.02	316.00	227.15	88.85	3.557		
15,450.00	10,417.00	15,080.25	10,101.00	53.43	52.52	0.01	5,164.69	-48.03	316.00	226.45	89.55	3.529		
15,500.00	10,417.00	15,130.25	10,101.00	53.70	52.80	0.01	5,214.69	-48.04	316.00	225.74	90.26	3.501		
15,550.00	10,417.00	15,180.25	10,101.00	53.99	53.09	0.01	5,264.69	-48.05	316.00	225.03	90.97	3.474		
15,570.61	10,417.00	15,200.85	10,101.00	54.10	53.20	0.01	5,285.30	-48.06	316.00	224.74	91.26	3.463		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation