

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 25 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No.
SF-079596, SF-077329, SF-080181

6. If Indian, Allottee or Tribe Name
IN/AI

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
XTO ENERGY INC

3a. Address
382 ROAD 3100
AZTEC, NM 87410

3b. Phone No. (include area code)
505-333-3100

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

8. Well Name and No.
MARTIN GAS COM F 1H

9. API Well No.
30-045- 35452

10. Field and Pool or Exploratory Area
BASIN MANCOS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW (D) Sec. 14, T27N, R10W, N.M.P.M.
611' FNL x 989' FWL

11. Country or Parish, State
SAN JUAN COUNTY, NEW MEXICO

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	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomple 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 recomple 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., would like to change the drilling program and directional plan for the above mentioned well.

Please see attached.

RCVD MAR 26 '13
OIL CONS. DIV.
DIST. 3

Hold C104

for Directional Survey
and "As Drilled" plat

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

MALIA VILLERS

Title PERMITTING TECH.

Signature

Malia Villers

Date 02/22/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

APM

Date

3/21/13

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

PFO

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)

NMOCD AY

XTO ENERGY INC.

Martin Gas Com F #1H

APD Data

February 21, 2013

Location: 611' FNL x 989' FWL Sec 14, T27N, R10W County: San Juan State: New Mexico
Bottomhole Location: 685' FNL x 1980' FWL Sec 13, T27N, R10W

GREATEST PROJECTED TVD: 5997'

APPROX GR ELEV: 6387'

GREATEST PROJECTED MD: 11851'

Est. KB ELEV: 6499' (12' AGL)

OBJECTIVE: Gallup Horizontal

1. MUD PROGRAM:

INTERVAL	0' to 500'	500' to 6552'	6552' to TD
HOLE SIZE	12.25"	8.75"	6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer/LSND	Oil Based Mud/Invert
WEIGHT	8.6-9.0	8.4-9.2	11-13.5
VISCOSITY	28-32	28-36	28-36
WATER LOSS	NC	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning.

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at $\pm 500'$ in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
0'-500'	500'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	8.44	14.7	21.9

Intermediate Casing: 7" casing to be set at $\pm 6552'$ MD, 5997' TVD in 8.75" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
0'-6552'	6552'	26 #	J-55	ST&C	4320	4980	334	6.276	6.151	1.51	1.74	1.96

Production Casing: 4.5" casing to be set at $\pm 11851'$ MD, 5997' TVD in 6.125" hole filled with 13.5 ppg mud. (Mud may be weighted up to 13.5 ppg for hole stability reasons. Anticipated Reservoir pressure ~ 7.5 ppg)

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
6200'-11851'	5651'	11.6#	N-80	LT&C	6350	7780	223	4.00	3.875	1.51	1.85	3.40

¹Collapse SF is based on evacuated casing and hydrostatic at TVD.

²Burst SF is based on evacuated annulus and hydrostatic at TVD.

³Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

**** Maximum anticipated BHP should be <2,000 psig (<0.38psi/ft) ****

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Cellular Phone
Ross Lubbers	Drilling Manager	303-397-3721	405-659-8563
Justin Niederhofer	Drilling Engineer	303-397-3719	505-320-0158
Bobby Jackson	Drilling Superintendent	303-397-3720	505-486-4706
Charles Musekamp	Project Geologist	817-885-2800	--

JDN
2/21/13

XTO Energy - Western Div. (NM, CO, UT)

San Juan Basin(NAD 83)

Martin Gas Com F #1H

Martin Gas Com F #1H

Martin Gas Com F #1H

Plan: Sundried wellbore

Standard Planning Report - Geographic

21 February, 2013

XTO Energy, Inc.

Planning Report - Geographic

Database:	LMRKPROD	Local Co-ordinate Reference:	Site Martin Gas Com F #1H
Company:	XTO Energy - Western Div. (NM, CO, UT)	TVD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Site:	Martin Gas Com F #1H	North Reference:	True
Well:	Martin Gas Com F #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Martin Gas Com F #1H		
Design:	Sundried wellbore		

Project:	San Juan Basin (NAD 83), San Juan Co., NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site						Martin Gas Com F #1H, T27N, R10W					
Site Position:		Northing:		2,030,708.18 usft		Latitude:		36° 34' 50.736000 N			
From:		Lat/Long		Easting:		Longitude:		107° 52' 14.088000 W			
Position Uncertainty:		0.00 ft		Slot Radius:		13-3/16"		Grid Convergence:		-0.02 °	

Well	Martin Gas Com F #1H, Horizontal Mancos					
Well Position	+N/-S	0.00 ft	Northing:	2,030,708.18 usft	Latitude:	36° 34' 50.736000 N
	+E/-W	0.00 ft	Easting:	2,712,155.92 usft	Longitude:	107° 52' 14.088000 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	6,387.00 ft	Ground Level:	6,387.00 ft	

Wellbore:	Martin Gas Com F #1H				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	12/31/2009	10.08	63.35	50,803

Design:	Sundried wellbore			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	90.76

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,042.00	0.00	0.00	5,042.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,542.11	90.00	95.00	5,997.00	-83.23	951.37	6.00	6.00	0.00	95.00	
6,642.11	90.00	95.00	5,997.00	-91.95	1,050.99	0.00	0.00	0.00	0.00	
6,771.16	90.00	89.84	5,997.00	-97.39	1,179.88	4.00	0.00	-4.00	-90.00	Proposed BHL -- Mart
11,851.11	90.00	89.84	5,997.00	-83.04	6,259.80	0.00	0.00	0.00	0.00	Proposed BHL -- Mart

XTO Energy, Inc.
Planning Report - Geographic

Database:	LMRKPROD	Local Co-ordinate/Reference	Site: Martin Gas Com F #1H
Company:	XTO Energy - Western Div. (NM, CO, UT)	TVD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Site:	Martin Gas Com F #1H	North Reference:	True
Well:	Martin Gas Com F #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Martin Gas Com F #1H		
Design:	Sundried wellbore		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
100.00	0.00	0.00	100.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
200.00	0.00	0.00	200.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
300.00	0.00	0.00	300.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
400.00	0.00	0.00	400.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
500.00	0.00	0.00	500.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
9 5/8"										
600.00	0.00	0.00	600.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
700.00	0.00	0.00	700.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
800.00	0.00	0.00	800.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
900.00	0.00	0.00	900.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,287.00	0.00	0.00	1,287.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Ojo Alamo										
1,300.00	0.00	0.00	1,300.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
1,807.00	0.00	0.00	1,807.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Fruitland Coal										
1,900.00	0.00	0.00	1,900.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,257.00	0.00	0.00	2,257.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Pictured Cliffs SS										
2,300.00	0.00	0.00	2,300.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,790.00	0.00	0.00	3,790.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Cliffhouse SS										
3,800.00	0.00	0.00	3,800.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
3,900.00	0.00	0.00	3,900.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	

XTO Energy, Inc.
Planning Report - Geographic

Database:	LMRKPROD	Local Co-ordinate Reference:	Site: Martin Gas Com F #1H
Company:	XTO Energy - Western Div. (NM, CO, UT)	TVD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Site:	Martin Gas Com F #1H	North Reference:	True
Well:	Martin Gas Com F #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Martin Gas Com F #1H		
Design:	Sundried wellbore		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,600.00	0.00	0.00	4,600.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,617.00	0.00	0.00	4,617.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Point Lookout SS										
4,700.00	0.00	0.00	4,700.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,800.00	0.00	0.00	4,800.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,900.00	0.00	0.00	4,900.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
4,915.00	0.00	0.00	4,915.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
Mancos Shale										
5,000.00	0.00	0.00	5,000.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
5,042.00	0.00	0.00	5,042.00	0.00	0.00	2,030,708.18	2,712,155.92	36° 34' 50.736000 N	107° 52' 14.088000 W	
5,050.00	0.48	95.00	5,050.00	0.00	0.03	2,030,708.18	2,712,155.95	36° 34' 50.735971 N	107° 52' 14.087591 W	
5,100.00	3.48	95.00	5,099.96	-0.15	1.75	2,030,708.02	2,712,157.67	36° 34' 50.734482 N	107° 52' 14.066493 W	
5,150.00	6.48	95.00	5,149.77	-0.53	6.08	2,030,707.64	2,712,161.99	36° 34' 50.730742 N	107° 52' 14.013486 W	
5,200.00	9.48	95.00	5,199.28	-1.14	12.99	2,030,707.04	2,712,168.91	36° 34' 50.724761 N	107° 52' 13.928715 W	
5,250.00	12.48	95.00	5,248.36	-1.97	22.48	2,030,706.20	2,712,178.39	36° 34' 50.716554 N	107° 52' 13.812412 W	
5,300.00	15.48	95.00	5,296.87	-3.02	34.51	2,030,705.15	2,712,190.42	36° 34' 50.706145 N	107° 52' 13.664896 W	
5,350.00	18.48	95.00	5,344.69	-4.29	49.05	2,030,703.87	2,712,204.96	36° 34' 50.693563 N	107° 52' 13.486570 W	
5,400.00	21.48	95.00	5,391.67	-5.78	66.07	2,030,702.37	2,712,221.98	36° 34' 50.678840 N	107° 52' 13.277925 W	
5,450.00	24.48	95.00	5,437.70	-7.48	85.51	2,030,700.66	2,712,241.42	36° 34' 50.662018 N	107° 52' 13.039531 W	
5,500.00	27.48	95.00	5,482.64	-9.39	107.33	2,030,698.75	2,712,263.24	36° 34' 50.643144 N	107° 52' 12.772042 W	
5,550.00	30.48	95.00	5,526.38	-11.50	131.45	2,030,696.63	2,712,287.37	36° 34' 50.622267 N	107° 52' 12.476191 W	
5,600.00	33.48	95.00	5,568.79	-13.81	157.83	2,030,694.31	2,712,313.74	36° 34' 50.599446 N	107° 52' 12.152788 W	
5,650.00	36.48	95.00	5,609.75	-16.31	186.38	2,030,691.80	2,712,342.29	36° 34' 50.574744 N	107° 52' 11.802721 W	
5,700.00	39.48	95.00	5,649.16	-18.99	217.03	2,030,689.11	2,712,372.93	36° 34' 50.548227 N	107° 52' 11.426949 W	
5,750.00	42.48	95.00	5,686.90	-21.84	249.69	2,030,686.24	2,712,405.59	36° 34' 50.519969 N	107° 52' 11.026500 W	
5,800.00	45.48	95.00	5,722.88	-24.87	284.27	2,030,683.20	2,712,440.17	36° 34' 50.490046 N	107° 52' 10.602474 W	
5,850.00	48.48	95.00	5,756.99	-28.06	320.68	2,030,680.00	2,712,476.58	36° 34' 50.458541 N	107° 52' 10.156031 W	
5,865.23	49.39	95.00	5,767.00	-29.06	332.12	2,030,678.99	2,712,488.02	36° 34' 50.448640 N	107° 52' 10.015738 W	
Upper Gallup Marker										
5,900.00	51.48	95.00	5,789.14	-31.39	358.82	2,030,676.65	2,712,514.72	36° 34' 50.425540 N	107° 52' 9.688395 W	
5,950.00	54.48	95.00	5,819.25	-34.87	398.58	2,030,673.15	2,712,554.48	36° 34' 50.391133 N	107° 52' 9.200849 W	
6,000.00	57.48	95.00	5,847.22	-38.48	439.86	2,030,669.53	2,712,595.76	36° 34' 50.355415 N	107° 52' 8.694727 W	
6,050.00	60.48	95.00	5,872.99	-42.22	482.54	2,030,665.77	2,712,638.44	36° 34' 50.318483 N	107° 52' 8.171418 W	
6,100.00	63.48	95.00	5,896.48	-46.06	526.50	2,030,661.91	2,712,682.40	36° 34' 50.280439 N	107° 52' 7.632355 W	
6,150.00	66.48	95.00	5,917.63	-50.01	571.63	2,030,657.95	2,712,727.53	36° 34' 50.241386 N	107° 52' 7.079016 W	
6,179.55	68.25	95.00	5,929.00	-52.39	598.80	2,030,655.56	2,712,754.69	36° 34' 50.217876 N	107° 52' 6.745913 W	
Skelly Marker										
6,200.00	69.47	95.00	5,936.38	-54.05	617.80	2,030,653.89	2,712,773.69	36° 34' 50.201432 N	107° 52' 6.512916 W	
6,250.00	72.47	95.00	5,952.67	-58.17	664.88	2,030,649.75	2,712,820.78	36° 34' 50.160686 N	107° 52' 5.935609 W	
6,300.00	75.47	95.00	5,966.47	-62.36	712.75	2,030,645.54	2,712,868.64	36° 34' 50.119260 N	107° 52' 5.348674 W	
6,350.00	78.47	95.00	5,977.74	-66.60	761.27	2,030,641.28	2,712,917.16	36° 34' 50.077268 N	107° 52' 4.753722 W	
6,400.00	81.47	95.00	5,986.45	-70.89	810.32	2,030,636.97	2,712,966.20	36° 34' 50.034823 N	107° 52' 4.152383 W	
6,450.00	84.47	95.00	5,992.56	-75.22	859.75	2,030,632.63	2,713,015.63	36° 34' 49.992043 N	107° 52' 3.546304 W	
6,466.39	85.46	95.00	5,994.00	-76.64	876.02	2,030,631.20	2,713,031.90	36° 34' 49.977964 N	107° 52' 3.346832 W	
MGLP Marker										
6,500.00	87.47	95.00	5,996.07	-79.56	909.43	2,030,628.26	2,713,065.31	36° 34' 49.949046 N	107° 52' 2.937147 W	
6,542.11	90.00	95.00	5,997.00	-83.23	951.37	2,030,624.58	2,713,107.25	36° 34' 49.912750 N	107° 52' 2.422947 W	
6,552.00	90.00	95.00	5,997.00	-84.10	961.22	2,030,623.71	2,713,117.10	36° 34' 49.904223 N	107° 52' 2.302150 W	
6,600.00	90.00	95.00	5,997.00	-88.28	1,009.04	2,030,619.51	2,713,164.91	36° 34' 49.862836 N	107° 52' 1.715845 W	
6,642.11	90.00	95.00	5,997.00	-91.95	1,050.99	2,030,615.82	2,713,206.86	36° 34' 49.826527 N	107° 52' 1.201479 W	
6,700.00	90.00	92.68	5,997.00	-95.83	1,108.74	2,030,611.92	2,713,264.62	36° 34' 49.788147 N	107° 52' 0.493320 W	
6,771.16	90.00	89.84	5,997.00	-97.39	1,179.88	2,030,610.33	2,713,335.75	36° 34' 49.772632 N	107° 51' 59.621113 W	

XTO Energy, Inc.
Planning Report - Geographic

Database:	LMRKPROD	Local Co-ordinate Reference:	Site Martin Gas Com F #1H
Company:	XTO Energy - Western Div. (NM, CO, UT)	TVD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Project:	San Juan Basin(NAD 83)	MD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Site:	Martin Gas Com F #1H	North Reference:	True
Well:	Martin Gas Com F #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Martin Gas Com F #1H		
Design:	Sundried wellbore		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
6,800.00	90.00	89.84	5,997.00	-97.31	1,208.72	2,030,610.40	2,713,364.59	36° 34' 49.773426 N	107° 51' 59.267487 W	
6,900.00	90.00	89.84	5,997.00	-97.03	1,308.72	2,030,610.64	2,713,464.59	36° 34' 49.776177 N	107° 51' 58.041355 W	
7,000.00	90.00	89.84	5,997.00	-96.75	1,408.72	2,030,610.89	2,713,564.59	36° 34' 49.778924 N	107° 51' 56.815223 W	
7,100.00	90.00	89.84	5,997.00	-96.46	1,508.72	2,030,611.13	2,713,664.59	36° 34' 49.781668 N	107° 51' 55.589091 W	
7,200.00	90.00	89.84	5,997.00	-96.18	1,608.71	2,030,611.37	2,713,764.59	36° 34' 49.784409 N	107° 51' 54.362958 W	
7,300.00	90.00	89.84	5,997.00	-95.90	1,708.71	2,030,611.62	2,713,864.59	36° 34' 49.787146 N	107° 51' 53.136826 W	
7,400.00	90.00	89.84	5,997.00	-95.62	1,808.71	2,030,611.86	2,713,964.59	36° 34' 49.789879 N	107° 51' 51.910694 W	
7,500.00	90.00	89.84	5,997.00	-95.33	1,908.71	2,030,612.10	2,714,064.59	36° 34' 49.792609 N	107° 51' 50.684562 W	
7,600.00	90.00	89.84	5,997.00	-95.05	2,008.71	2,030,612.35	2,714,164.59	36° 34' 49.795335 N	107° 51' 49.458430 W	
7,700.00	90.00	89.84	5,997.00	-94.77	2,108.71	2,030,612.59	2,714,264.59	36° 34' 49.798058 N	107° 51' 48.232298 W	
7,800.00	90.00	89.84	5,997.00	-94.49	2,208.71	2,030,612.84	2,714,364.59	36° 34' 49.800778 N	107° 51' 47.006165 W	
7,900.00	90.00	89.84	5,997.00	-94.20	2,308.71	2,030,613.08	2,714,464.59	36° 34' 49.803494 N	107° 51' 45.780033 W	
8,000.00	90.00	89.84	5,997.00	-93.92	2,408.71	2,030,613.32	2,714,564.59	36° 34' 49.806206 N	107° 51' 44.553901 W	
8,100.00	90.00	89.84	5,997.00	-93.64	2,508.71	2,030,613.57	2,714,664.59	36° 34' 49.808915 N	107° 51' 43.327768 W	
8,200.00	90.00	89.84	5,997.00	-93.36	2,608.71	2,030,613.81	2,714,764.59	36° 34' 49.811621 N	107° 51' 42.101636 W	
8,300.00	90.00	89.84	5,997.00	-93.07	2,708.71	2,030,614.06	2,714,864.58	36° 34' 49.814323 N	107° 51' 40.875504 W	
8,400.00	90.00	89.84	5,997.00	-92.79	2,808.71	2,030,614.30	2,714,964.58	36° 34' 49.817021 N	107° 51' 39.649371 W	
8,500.00	90.00	89.84	5,997.00	-92.51	2,908.71	2,030,614.54	2,715,064.58	36° 34' 49.819716 N	107° 51' 38.423239 W	
8,600.00	90.00	89.84	5,997.00	-92.23	3,008.71	2,030,614.79	2,715,164.58	36° 34' 49.822407 N	107° 51' 37.197106 W	
8,700.00	90.00	89.84	5,997.00	-91.94	3,108.71	2,030,615.03	2,715,264.58	36° 34' 49.825095 N	107° 51' 35.970974 W	
8,800.00	90.00	89.84	5,997.00	-91.66	3,208.71	2,030,615.28	2,715,364.58	36° 34' 49.827780 N	107° 51' 34.744841 W	
8,900.00	90.00	89.84	5,997.00	-91.38	3,308.71	2,030,615.52	2,715,464.58	36° 34' 49.830461 N	107° 51' 33.518709 W	
9,000.00	90.00	89.84	5,997.00	-91.09	3,408.71	2,030,615.76	2,715,564.58	36° 34' 49.833138 N	107° 51' 32.292576 W	
9,100.00	90.00	89.84	5,997.00	-90.81	3,508.71	2,030,616.01	2,715,664.58	36° 34' 49.835812 N	107° 51' 31.066444 W	
9,200.00	90.00	89.84	5,997.00	-90.53	3,608.71	2,030,616.25	2,715,764.58	36° 34' 49.838482 N	107° 51' 29.840311 W	
9,300.00	90.00	89.84	5,997.00	-90.25	3,708.71	2,030,616.49	2,715,864.58	36° 34' 49.841149 N	107° 51' 28.614178 W	
9,400.00	90.00	89.84	5,997.00	-89.96	3,808.71	2,030,616.74	2,715,964.58	36° 34' 49.843813 N	107° 51' 27.388046 W	
9,500.00	90.00	89.84	5,997.00	-89.68	3,908.71	2,030,616.98	2,716,064.58	36° 34' 49.846472 N	107° 51' 26.161913 W	
9,600.00	90.00	89.84	5,997.00	-89.40	4,008.71	2,030,617.23	2,716,164.58	36° 34' 49.849129 N	107° 51' 24.935780 W	
9,700.00	90.00	89.84	5,997.00	-89.12	4,108.70	2,030,617.47	2,716,264.58	36° 34' 49.851782 N	107° 51' 23.709648 W	
9,800.00	90.00	89.84	5,997.00	-88.83	4,208.70	2,030,617.71	2,716,364.58	36° 34' 49.854431 N	107° 51' 22.483515 W	
9,900.00	90.00	89.84	5,997.00	-88.55	4,308.70	2,030,617.96	2,716,464.58	36° 34' 49.857077 N	107° 51' 21.257382 W	
10,000.00	90.00	89.84	5,997.00	-88.27	4,408.70	2,030,618.20	2,716,564.58	36° 34' 49.859719 N	107° 51' 20.031249 W	
10,100.00	90.00	89.84	5,997.00	-87.99	4,508.70	2,030,618.45	2,716,664.58	36° 34' 49.862358 N	107° 51' 18.805116 W	
10,200.00	90.00	89.84	5,997.00	-87.70	4,608.70	2,030,618.69	2,716,764.58	36° 34' 49.864994 N	107° 51' 17.578983 W	
10,300.00	90.00	89.84	5,997.00	-87.42	4,708.70	2,030,618.93	2,716,864.57	36° 34' 49.867626 N	107° 51' 16.352851 W	
10,400.00	90.00	89.84	5,997.00	-87.14	4,808.70	2,030,619.18	2,716,964.57	36° 34' 49.870254 N	107° 51' 15.126718 W	
10,500.00	90.00	89.84	5,997.00	-86.85	4,908.70	2,030,619.42	2,717,064.57	36° 34' 49.872879 N	107° 51' 13.900585 W	
10,600.00	90.00	89.84	5,997.00	-86.57	5,008.70	2,030,619.67	2,717,164.57	36° 34' 49.875500 N	107° 51' 12.674452 W	
10,700.00	90.00	89.84	5,997.00	-86.29	5,108.70	2,030,619.91	2,717,264.57	36° 34' 49.878118 N	107° 51' 11.448319 W	
10,800.00	90.00	89.84	5,997.00	-86.01	5,208.70	2,030,620.15	2,717,364.57	36° 34' 49.880732 N	107° 51' 10.222186 W	
10,900.00	90.00	89.84	5,997.00	-85.72	5,308.70	2,030,620.40	2,717,464.57	36° 34' 49.883343 N	107° 51' 8.996053 W	
11,000.00	90.00	89.84	5,997.00	-85.44	5,408.70	2,030,620.64	2,717,564.57	36° 34' 49.885950 N	107° 51' 7.769920 W	
11,100.00	90.00	89.84	5,997.00	-85.16	5,508.70	2,030,620.89	2,717,664.57	36° 34' 49.888554 N	107° 51' 6.543786 W	
11,200.00	90.00	89.84	5,997.00	-84.88	5,608.70	2,030,621.13	2,717,764.57	36° 34' 49.891155 N	107° 51' 5.317653 W	
11,300.00	90.00	89.84	5,997.00	-84.59	5,708.70	2,030,621.37	2,717,864.57	36° 34' 49.893751 N	107° 51' 4.091520 W	
11,400.00	90.00	89.84	5,997.00	-84.31	5,808.70	2,030,621.62	2,717,964.57	36° 34' 49.896345 N	107° 51' 2.865387 W	
11,500.00	90.00	89.84	5,997.00	-84.03	5,908.70	2,030,621.86	2,718,064.57	36° 34' 49.898935 N	107° 51' 1.639254 W	
11,600.00	90.00	89.84	5,997.00	-83.75	6,008.70	2,030,622.10	2,718,164.57	36° 34' 49.901521 N	107° 51' 0.413121 W	
11,700.00	90.00	89.84	5,997.00	-83.46	6,108.70	2,030,622.35	2,718,264.57	36° 34' 49.904104 N	107° 50' 59.186987 W	
11,800.00	90.00	89.84	5,997.00	-83.18	6,208.70	2,030,622.59	2,718,364.57	36° 34' 49.906683 N	107° 50' 57.960854 W	
11,851.00	90.00	89.84	5,997.00	-83.04	6,259.70	2,030,622.72	2,718,415.57	36° 34' 49.907997 N	107° 50' 57.335526 W	
4 1/2"										
11,851.11	90.00	89.84	5,997.00	-83.04	6,259.80	2,030,622.72	2,718,415.68	36° 34' 49.908000 N	107° 50' 57.334200 W	

XTO Energy, Inc.

Planning Report - Geographic

Database:	LMRKPROD	Local Co-ordinate Reference:	Site Martin Gas Com F #1H
Company:	XTO Energy - Western Div. (NM, CO, UT)	TVD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6399.00ft (Aztec 781)
Site:	Martin Gas Com F #1H	North Reference:	True
Well:	Martin Gas Com F #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Martin Gas Com F #1H		
Design:	Sundried wellbore		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude Longitude
Proposed BHL -- Martin		0.00	0.00	5,997.00	-83.04	6,259.80	2,030,622.72	2,718,415.68	36° 34' 49.908000 N 107° 50' 57.334200 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter	
(ft)	(ft)	Name	(")	(")	
500.00	500.00	9 5/8"	9-5/8	12-1/4	
6,552.00	5,997.00	7"	7	8-3/4	
11,851.00	5,997.00	4 1/2"	4-1/2	6-1/8	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
1,287.00	1,287.00	Ojo Alamo		0.00	
1,807.00	1,807.00	Fruitland Coal		0.00	
2,257.00	2,257.00	Pictured Cliffs SS		0.00	
3,790.00	3,790.00	Cliffhouse SS		0.00	
4,617.00	4,617.00	Point Lookout SS		0.00	
4,915.00	4,915.00	Mancos Shale		0.00	
5,865.23	5,767.00	Upper Gallup Marker		0.00	
6,179.55	5,929.00	Skelly Marker		0.00	
6,466.39	5,994.00	MGLP Marker		0.00	



Well Name: Martin Gas Com F #1H

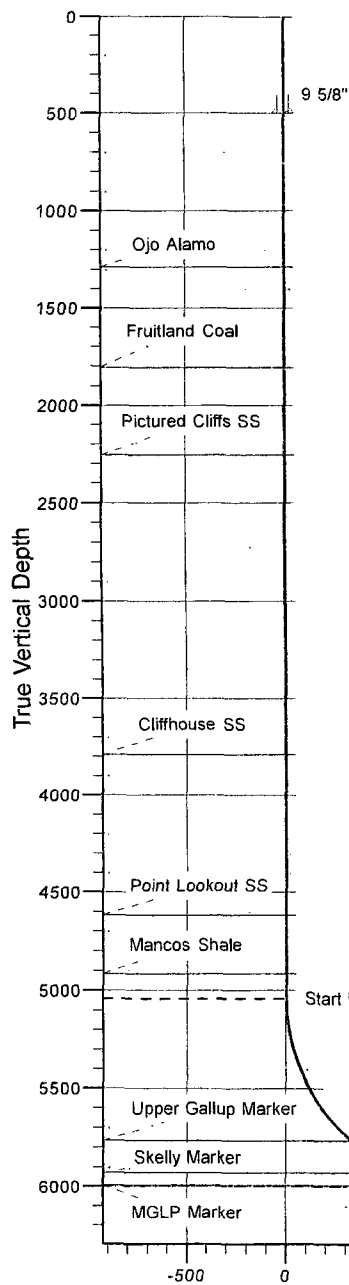
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 36° 34' 50.736000 N
Long: 107° 52' 14.088000 W



Azimuths to True North
Magnetic North: 10.08°

Magnetic Field
Strength: 50803.4snT
Dip Angle: 63.35°
Date: 12/31/2009
Model: IGRF200510

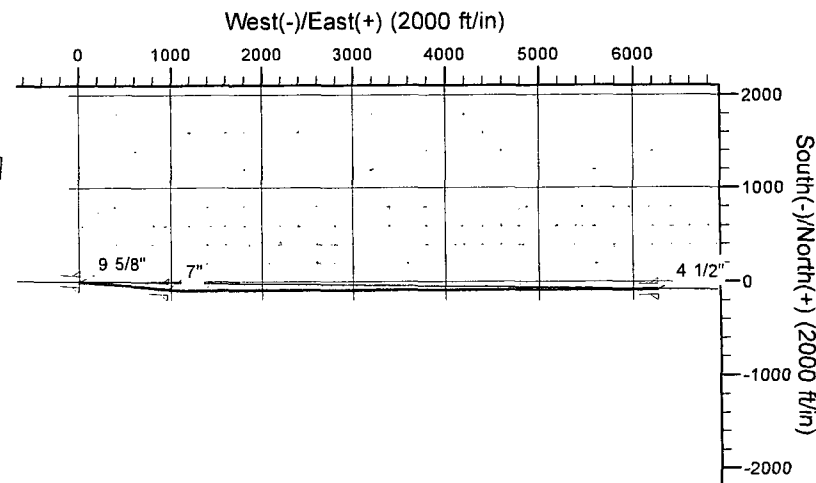
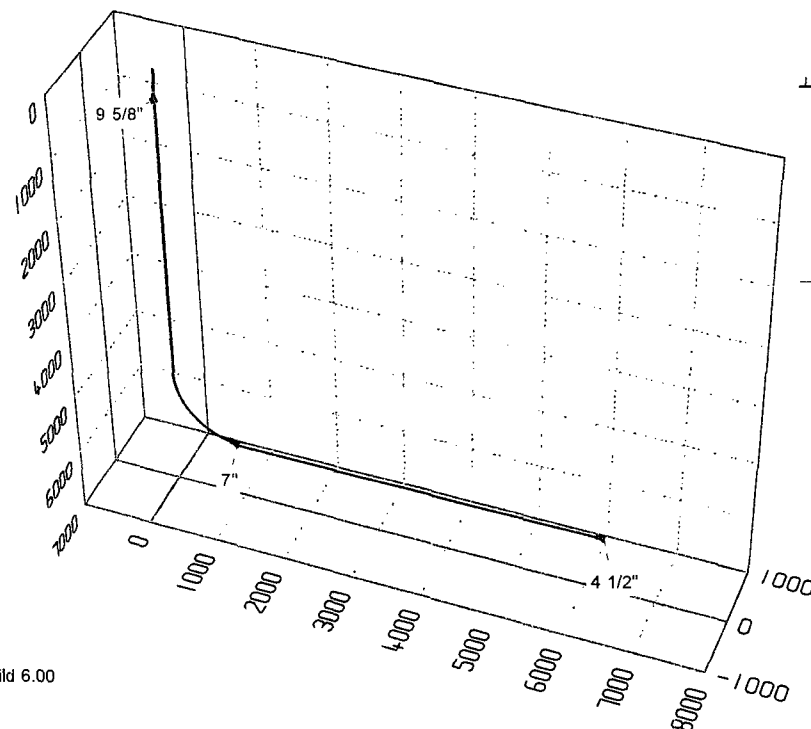


CASING DETAILS

TVD	MD	Name
500.00	500.00	9 5/8"
5997.00	6552.00	7"
5997.00	11851.00	4 1/2"

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5042.00	0.00	0.00	5042.00	0.00	0.00	0.00	0.00	0.00	
3	6542.11	90.00	95.00	5997.00	-83.23	951.37	6.00	95.00	952.39	
4	6642.11	90.00	95.00	5997.00	-91.95	1050.99	0.00	0.00	1052.11	
5	6771.16	90.00	89.84	5997.00	-97.39	1179.88	4.00	-90.00	1181.06	Proposed BHL -- Martin Gas Com F #1H
6	11851.11	90.00	89.84	5997.00	-83.04	6259.80	0.00	0.00	6260.35	Proposed BHL -- Martin Gas Com F #1H



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1287.00	1287.00	Ojo Alamo
1807.00	1807.00	Fruitland Coal
2257.00	2257.00	Pictured Cliffs SS
3790.00	3790.00	Cliffhouse SS
4617.00	4617.00	Point Lookout SS
4915.00	4915.00	Mancos Shale
5767.00	5865.23	Upper Gallup Marker
5929.00	6179.55	Skelly Marker
5994.00	6466.39	MGLP Marker

Vertical Section at 90.76°