RECEIVED

APR 05 2013

Farmington Field Office
Bureau of Land Management

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE *– Other instructions on page 2.*

1. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No.: SF-079596, SF-077329, SF-080181
	6. If Indian, Allottee or Tribe Name: N/A
	7. If Unit of CA/Agreement, Name and/or No.: PENDING
	8. Well Name and No.: MARTIN GAS COM F 1H
2. Name of Operator: XTO ENERGY INC	9. API Well No.: 30-045-35452
3a. Address: 382 ROAD 3100, AZTEC, NM 87410 — 3b. Phone No. *(include area code)*: 505-333-3100	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, 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 recomplete 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 recompletion 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 landing TVD and MD of the 7" casing, the cementing design to a 2 stage, cement volumes and the TD of the above mentioned well.

Please see attached revised standard plan and drilling procedure.

RCVD APR 10 '13
OIL CONS. DIV.
DIST. 3

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*: MALIA VILLERS	Title: PERMITTING TECH.
Signature: Malia Villers	Date: 04/05/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title: Petr. Eng.	Date: 4/8/13
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	

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.

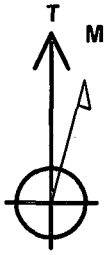
(Instructions on page 2)

NMOCD

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°

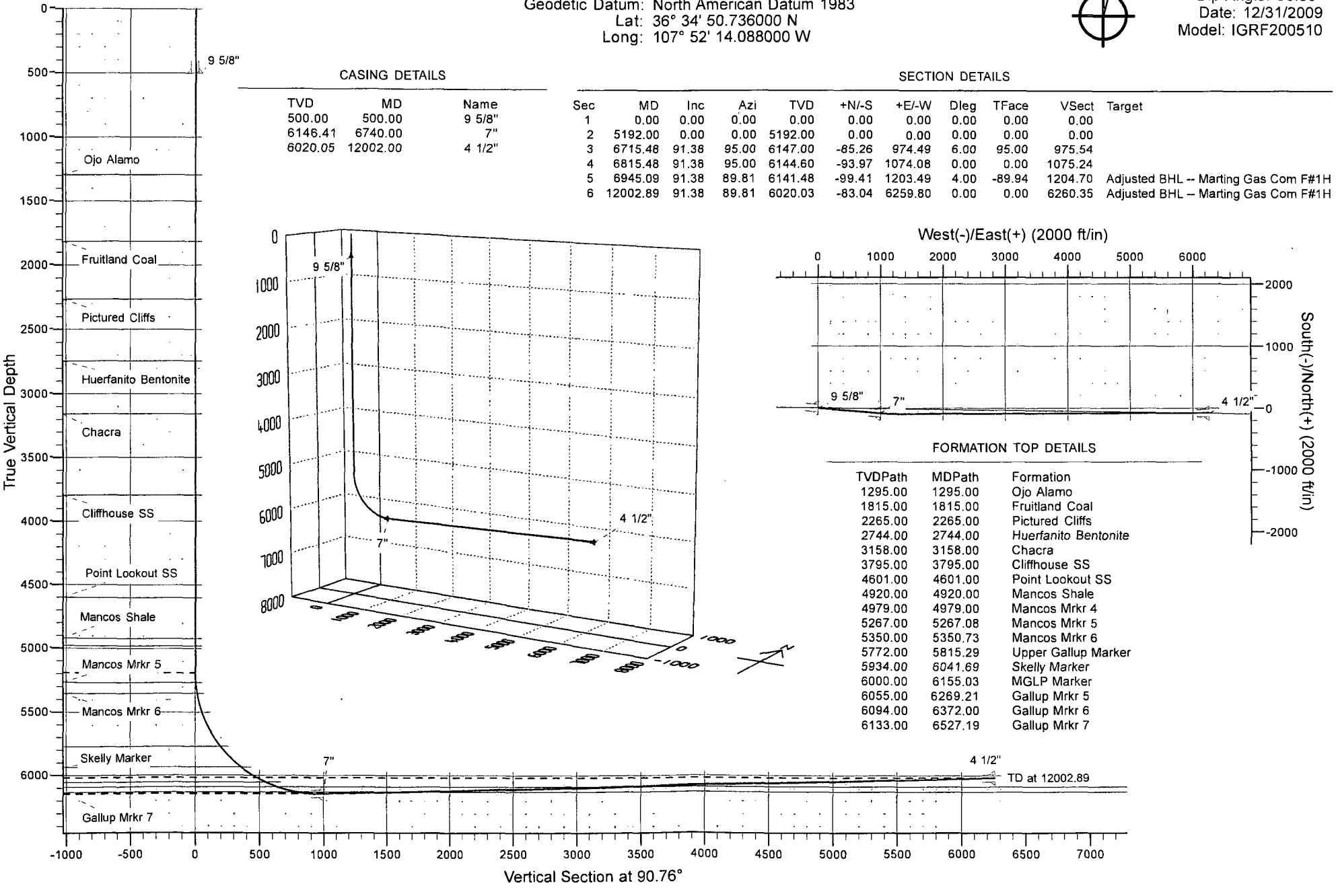
Magnetic Field
Strength: 50803.4snT
Dip Angle: 63.35°
Date: 12/31/2009
Model: IGRF200510

CASING DETAILS

TVD	MD	Name
500.00	500.00	9 5/8"
6146.41	6740.00	7"
6020.05	12002.00	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	5192.00	0.00	0.00	5192.00	0.00	0.00	0.00	0.00	0.00	
3	6715.48	91.38	95.00	6147.00	-85.26	974.49	6.00	95.00	975.54	
4	6815.48	91.38	95.00	6144.60	-93.97	1074.08	0.00	0.00	1075.24	
5	6945.09	91.38	89.81	6141.48	-99.41	1203.49	4.00	-89.94	1204.70	Adjusted BHL -- Marting Gas Com F#1H
6	12002.89	91.38	89.81	6020.03	-83.04	6259.80	0.00	0.00	6260.35	Adjusted BHL -- Marting Gas Com F#1H



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1295.00	1295.00	Ojo Alamo
1815.00	1815.00	Fruitland Coal
2265.00	2265.00	Pictured Cliffs
2744.00	2744.00	*Huerfanito Bentonite*
3158.00	3158.00	Chacra
3795.00	3795.00	Cliffhouse SS
4601.00	4601.00	Point Lookout SS
4920.00	4920.00	Mancos Shale
4979.00	4979.00	Mancos Mrkr 4
5267.00	5267.08	Mancos Mrkr 5
5350.00	5350.73	Mancos Mrkr 6
5772.00	5815.29	Upper Gallup Marker
5934.00	6041.69	*Skelly Marker*
6000.00	6155.03	MGLP Marker
6055.00	6269.21	Gallup Mrkr 5
6094.00	6372.00	Gallup Mrkr 6
6133.00	6527.19	Gallup Mrkr 7

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: Design #3

Standard Planning Report

04 April, 2013

XTO Energy, Inc.

Planning Report

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:	Design #3		

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:**	2,712,155.92 usft	**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 Design #3

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	90.76

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,192.00	0.00	0.00	5,192.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,715.48	91.38	95.00	6,147.00	-85.26	974.49	6.00	6.00	0.00	95.00	
6,815.48	91.38	95.00	6,144.60	-93.97	1,074.08	0.00	0.00	0.00	0.00	
6,945.09	91.38	89.81	6,141.48	-99.41	1,203.49	4.00	0.00	-4.00	-89.94	Adjusted BHL -- Marti
12,002.89	91.38	89.81	6,020.03	-83.04	6,259.80	0.00	0.00	0.00	0.00	Adjusted BHL -- Marti

XTO Energy, Inc.

Planning Report

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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:	Design #3		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
9 5/8"									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,295.00	0.00	0.00	1,295.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo									
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
1,815.00	0.00	0.00	1,815.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitland Coal									
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
2,265.00	0.00	0.00	2,265.00	0.00	0.00	0.00	0.00	0.00	0.00
Pictured Cliffs									
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
2,744.00	0.00	0.00	2,744.00	0.00	0.00	0.00	0.00	0.00	0.00
Huerfanito Bentonite									
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,158.00	0.00	0.00	3,158.00	0.00	0.00	0.00	0.00	0.00	0.00
Chacra									
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
3,795.00	0.00	0.00	3,795.00	0.00	0.00	0.00	0.00	0.00	0.00
Cliffhouse SS									
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

XTO Energy, Inc.

Planning Report

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:	Design #3		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,601.00	0.00	0.00	4,601.00	0.00	0.00	0.00	0.00	0.00	0.00
Point Lookout SS									
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,920.00	0.00	0.00	4,920.00	0.00	0.00	0.00	0.00	0.00	0.00
Mancos Shale									
4,979.00	0.00	0.00	4,979.00	0.00	0.00	0.00	0.00	0.00	0.00
Mancos Mrkr 4									
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,192.00	0.00	0.00	5,192.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.48	95.00	5,200.00	0.00	0.03	0.03	6.00	6.00	0.00
5,250.00	3.48	95.00	5,249.96	-0.15	1.75	1.76	6.00	6.00	0.00
5,267.08	4.50	95.00	5,267.00	-0.26	2.94	2.94	6.00	6.00	0.00
Mancos Mrkr 5									
5,300.00	6.48	95.00	5,299.77	-0.53	6.08	6.08	6.00	6.00	0.00
5,350.00	9.48	95.00	5,349.28	-1.14	12.99	13.00	6.00	6.00	0.00
5,350.73	9.52	95.00	5,350.00	-1.15	13.11	13.12	6.00	6.00	0.00
Mancos Mrkr 6									
5,400.00	12.48	95.00	5,398.36	-1.97	22.47	22.49	6.00	6.00	0.00
5,450.00	15.47	95.00	5,446.87	-3.02	34.50	34.53	6.00	6.00	0.00
5,500.00	18.47	95.00	5,494.69	-4.29	49.04	49.09	6.00	6.00	0.00
5,550.00	21.47	95.00	5,541.68	-5.78	66.05	66.12	6.00	6.00	0.00
5,600.00	24.47	95.00	5,587.71	-7.48	85.49	85.58	6.00	6.00	0.00
5,650.00	27.47	95.00	5,632.65	-9.39	107.30	107.41	6.00	6.00	0.00
5,700.00	30.47	95.00	5,676.39	-11.50	131.42	131.56	6.00	6.00	0.00
5,750.00	33.47	95.00	5,718.81	-13.80	157.79	157.96	6.00	6.00	0.00
5,800.00	36.47	95.00	5,759.77	-16.30	186.33	186.53	6.00	6.00	0.00
5,815.29	37.38	95.00	5,772.00	-17.10	195.48	195.69	6.00	6.00	0.00
Upper Gallup Marker									
5,850.00	39.47	95.00	5,799.19	-18.98	216.97	217.20	6.00	6.00	0.00
5,900.00	42.46	95.00	5,836.94	-21.84	249.62	249.89	6.00	6.00	0.00
5,950.00	45.46	95.00	5,872.92	-24.86	284.19	284.50	6.00	6.00	0.00
6,000.00	48.46	95.00	5,907.04	-28.05	320.60	320.94	6.00	6.00	0.00
6,041.69	50.96	95.00	5,934.00	-30.82	352.28	352.65	6.00	6.00	0.00
Skelly Marker									
6,050.00	51.46	95.00	5,939.21	-31.38	358.73	359.11	6.00	6.00	0.00
6,100.00	54.46	95.00	5,969.32	-34.86	398.48	398.91	6.00	6.00	0.00
6,150.00	57.46	95.00	5,997.31	-38.47	439.75	440.22	6.00	6.00	0.00
6,155.03	57.76	95.00	6,000.00	-38.84	443.98	444.46	6.00	6.00	0.00
MGLP Marker									
6,200.00	60.46	95.00	6,023.09	-42.21	482.42	482.94	6.00	6.00	0.00
6,250.00	63.46	95.00	6,046.59	-46.05	526.38	526.95	6.00	6.00	0.00
6,269.21	64.61	95.00	6,055.00	-47.56	543.59	544.17	6.00	6.00	0.00
Gallup Mrkr 5									

XTO Energy, Inc.

Planning Report

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:	Design #3		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,300.00	66.46	95.00	6,067.75	-50.00	571.50	572.12	6.00	6.00	0.00
6,350.00	69.45	95.00	6,086.52	-54.04	617.67	618.33	6.00	6.00	0.00
6,372.00	70.77	95.00	6,094.00	-55.84	638.28	638.96	6.00	6.00	0.00
Gallup Mrkr 6									
6,400.00	72.45	95.00	6,102.83	-58.16	664.74	665.46	6.00	6.00	0.00
6,450.00	75.45	95.00	6,116.65	-62.35	712.61	713.37	6.00	6.00	0.00
6,500.00	78.45	95.00	6,127.94	-66.59	761.13	761.94	6.00	6.00	0.00
6,527.19	80.08	95.00	6,133.00	-68.92	787.74	788.58	6.00	6.00	0.00
Gallup Mrkr 7									
6,550.00	81.45	95.00	6,136.66	-70.88	810.17	811.03	6.00	6.00	0.00
6,600.00	84.45	95.00	6,142.80	-75.20	859.59	860.52	6.00	6.00	0.00
6,650.00	87.45	95.00	6,146.33	-79.55	909.27	910.25	6.00	6.00	0.00
6,700.00	90.45	95.00	6,147.25	-83.91	959.07	960.10	6.00	6.00	0.00
6,715.48	91.38	95.00	6,147.00	-85.26	974.49	975.54	6.00	6.00	0.00
6,740.00	91.38	95.00	6,146.41	-87.39	998.91	999.98	0.00	0.00	0.00
7"									
6,800.00	91.38	95.00	6,144.97	-92.62	1,058.66	1,059.80	0.00	0.00	0.00
6,815.48	91.38	95.00	6,144.60	-93.97	1,074.08	1,075.24	0.00	0.00	0.00
6,900.00	91.38	91.62	6,142.57	-98.85	1,158.42	1,159.63	4.00	0.00	-4.00
6,945.09	91.38	89.81	6,141.48	-99.41	1,203.49	1,204.70	4.00	0.00	-4.00
7,000.00	91.38	89.81	6,140.17	-99.23	1,258.39	1,259.59	0.00	0.00	0.00
7,100.00	91.38	89.81	6,137.76	-98.91	1,358.36	1,359.55	0.00	0.00	0.00
7,200.00	91.38	89.81	6,135.36	-98.58	1,458.33	1,459.51	0.00	0.00	0.00
7,300.00	91.38	89.81	6,132.96	-98.26	1,558.30	1,559.46	0.00	0.00	0.00
7,400.00	91.38	89.81	6,130.56	-97.94	1,658.27	1,659.42	0.00	0.00	0.00
7,500.00	91.38	89.81	6,128.16	-97.61	1,758.24	1,759.38	0.00	0.00	0.00
7,600.00	91.38	89.81	6,125.76	-97.29	1,858.21	1,859.34	0.00	0.00	0.00
7,700.00	91.38	89.81	6,123.36	-96.97	1,958.18	1,959.29	0.00	0.00	0.00
7,800.00	91.38	89.81	6,120.95	-96.64	2,058.15	2,059.25	0.00	0.00	0.00
7,900.00	91.38	89.81	6,118.55	-96.32	2,158.12	2,159.21	0.00	0.00	0.00
8,000.00	91.38	89.81	6,116.15	-95.99	2,258.09	2,259.17	0.00	0.00	0.00
8,100.00	91.38	89.81	6,113.75	-95.67	2,358.06	2,359.12	0.00	0.00	0.00
8,200.00	91.38	89.81	6,111.35	-95.35	2,458.03	2,459.08	0.00	0.00	0.00
8,300.00	91.38	89.81	6,108.95	-95.02	2,558.00	2,559.04	0.00	0.00	0.00
8,400.00	91.38	89.81	6,106.55	-94.70	2,657.98	2,659.00	0.00	0.00	0.00
8,500.00	91.38	89.81	6,104.15	-94.38	2,757.95	2,758.96	0.00	0.00	0.00
8,600.00	91.38	89.81	6,101.74	-94.05	2,857.92	2,858.91	0.00	0.00	0.00
8,700.00	91.38	89.81	6,099.34	-93.73	2,957.89	2,958.87	0.00	0.00	0.00
8,800.00	91.38	89.81	6,096.94	-93.40	3,057.86	3,058.83	0.00	0.00	0.00
8,900.00	91.38	89.81	6,094.54	-93.08	3,157.83	3,158.79	0.00	0.00	0.00
9,000.00	91.38	89.81	6,092.14	-92.76	3,257.80	3,258.74	0.00	0.00	0.00
9,100.00	91.38	89.81	6,089.74	-92.43	3,357.77	3,358.70	0.00	0.00	0.00
9,200.00	91.38	89.81	6,087.34	-92.11	3,457.74	3,458.66	0.00	0.00	0.00
9,300.00	91.38	89.81	6,084.93	-91.79	3,557.71	3,558.62	0.00	0.00	0.00
9,400.00	91.38	89.81	6,082.53	-91.46	3,657.68	3,658.57	0.00	0.00	0.00
9,500.00	91.38	89.81	6,080.13	-91.14	3,757.65	3,758.53	0.00	0.00	0.00
9,600.00	91.38	89.81	6,077.73	-90.82	3,857.62	3,858.49	0.00	0.00	0.00
9,700.00	91.38	89.81	6,075.33	-90.49	3,957.59	3,958.45	0.00	0.00	0.00
9,800.00	91.38	89.81	6,072.93	-90.17	4,057.56	4,058.40	0.00	0.00	0.00
9,900.00	91.38	89.81	6,070.53	-89.84	4,157.53	4,158.36	0.00	0.00	0.00
10,000.00	91.38	89.81	6,068.13	-89.52	4,257.51	4,258.32	0.00	0.00	0.00
10,100.00	91.38	89.81	6,065.72	-89.20	4,357.48	4,358.28	0.00	0.00	0.00
10,200.00	91.38	89.81	6,063.32	-88.87	4,457.45	4,458.23	0.00	0.00	0.00

XTO Energy, Inc.

Planning Report

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:	Design #3		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,300.00	91.38	89.81	6,060.92	-88.55	4,557.42	4,558.19	0.00	0.00	0.00
10,400.00	91.38	89.81	6,058.52	-88.23	4,657.39	4,658.15	0.00	0.00	0.00
10,500.00	91.38	89.81	6,056.12	-87.90	4,757.36	4,758.11	0.00	0.00	0.00
10,600.00	91.38	89.81	6,053.72	-87.58	4,857.33	4,858.06	0.00	0.00	0.00
10,700.00	91.38	89.81	6,051.32	-87.25	4,957.30	4,958.02	0.00	0.00	0.00
10,800.00	91.38	89.81	6,048.91	-86.93	5,057.27	5,057.98	0.00	0.00	0.00
10,900.00	91.38	89.81	6,046.51	-86.61	5,157.24	5,157.94	0.00	0.00	0.00
11,000.00	91.38	89.81	6,044.11	-86.28	5,257.21	5,257.89	0.00	0.00	0.00
11,100.00	91.38	89.81	6,041.71	-85.96	5,357.18	5,357.85	0.00	0.00	0.00
11,200.00	91.38	89.81	6,039.31	-85.64	5,457.15	5,457.81	0.00	0.00	0.00
11,300.00	91.38	89.81	6,036.91	-85.31	5,557.12	5,557.77	0.00	0.00	0.00
11,400.00	91.38	89.81	6,034.51	-84.99	5,657.09	5,657.72	0.00	0.00	0.00
11,500.00	91.38	89.81	6,032.11	-84.66	5,757.07	5,757.68	0.00	0.00	0.00
11,600.00	91.38	89.81	6,029.70	-84.34	5,857.04	5,857.64	0.00	0.00	0.00
11,700.00	91.38	89.81	6,027.30	-84.02	5,957.01	5,957.60	0.00	0.00	0.00
11,800.00	91.38	89.81	6,024.90	-83.69	6,056.98	6,057.55	0.00	0.00	0.00
11,900.00	91.38	89.81	6,022.50	-83.37	6,156.95	6,157.51	0.00	0.00	0.00
12,002.00	91.38	89.81	6,020.05	-83.04	6,258.92	6,259.47	0.00	0.00	0.00
4 1/2"									
12,002.89	91.38	89.81	6,020.03	-83.04	6,259.80	6,260.35	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (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 misses target center by 23.03ft at 12002.89ft MD (6020.03 TVD, -83.04 N, 6259.80 E)									
- Point									
Adjusted BHL -- Marting	0.00	0.00	6,020.00	-83.04	6,259.80	2,030,622.72	2,718,415.68	36° 34' 49.908000 N	107° 50' 57.334200 W
- plan misses target center by 0.03ft at 12002.89ft MD (6020.03 TVD, -83.04 N, 6259.80 E)									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
500.00	500.00	9 5/8"	9-5/8	12-1/4
6,740.00	6,146.41	7"	7	8-3/4
12,002.00	6,020.05	4 1/2"	4-1/2	6

XTO Energy, Inc.

Planning Report

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:	Design #3		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,295.00	1,295.00	*Ojo Alamo*		0.00	
1,815.00	1,815.00	Fruitland Coal		0.00	
2,265.00	2,265.00	Pictured Cliffs		0.00	
2,744.00	2,744.00	Huerfanito Bentonite		0.00	
3,158.00	3,158.00	Chacra		0.00	
3,795.00	3,795.00	Cliffhouse SS		0.00	
4,601.00	4,601.00	Point Lookout SS		0.00	
4,920.00	4,920.00	Mancos Shale		0.00	
4,979.00	4,979.00	Mancos Mrkr 4		0.00	
5,267.08	5,267.00	Mancos Mrkr 5		0.00	
5,350.73	5,350.00	Mancos Mrkr 6		0.00	
5,815.29	5,772.00	Upper Gallup Marker		0.00	
6,041.69	5,934.00	Skelly Marker		0.00	
6,155.03	6,000.00	MGLP Marker		0.00	
6,269.21	6,055.00	Gallup Mrkr 5		0.00	
6,372.00	6,094.00	Gallup Mrkr 6		0.00	
6,527.19	6,133.00	Gallup Mrkr 7		0.00	

XTO ENERGY INC.

Martin Gas Com F #1H
APD Data
April 4, 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: 6147'
GREATEST PROJECTED MD: 12002'
OBJECTIVE: Gallup Horizontal

APPROX GR ELEV: 6387'
Est. KB ELEV: 6499' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 500'	500' to 6740'	6740' to TD
HOLE SIZE	12.25"	8.75"	6"
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 ± 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 ±6740' MD, 6147' 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'-6740'	6740'	26 #	J-55	ST&C	4320	4980	334	6.276	6.151	1.47	1.69	1.91

Production Casing: 4.5" casing to be set at ±12002' MD, 6020' TVD in 6 " 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]
6360'-12002'	5642'	11.6#	N-80	LT&C	6350	7780	223	4.00	3.875	1.47	1.80	3.41

[1]Collapse SF is based on evacuated casing and hydrostatic at TVD.
[2]Burst SF is based on evacuated annulus and hydrostatic at TVD.
[3]Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

A. Casing Head: C-22 profile (or equivalent), 9-5/8 slip on weld on x 11", 5000# with 11" x 7-1/16" 5000# C-22 casing hanger.
B. Tubing Head: TCM (or equivalent), 11" 5000# x 7-1/16" 5000#, TC-1A 7-1/16" x 2-3/8 tubing Hanger

4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):

A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at ± 500' in 12-1/4" hole.

± **268** sx of Type V cement (or equivalent) typically containing accelerator and LCM, mixed at 15.8 ppg, 1.17 ft^3/sk, & 5.01 gal wtr/sk.

Total slurry volume is 313 ft^3, 100% excess of calculated annular volume to 500'.

B. Intermediate Casing: 7", 26#/ft, J-55, ST&C casing to be set at ±6740'MD, 6147' TVD in 8.75" hole. D.V. tool @ ~ 4550'

Stage 1

LEAD 1:
± **120** sx of Type V (or equivalent) typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.3 ppg, 2.36 ft^3/sk, & 12.95 gal wtr/sk.

TAIL 1:
± **100** sx of Type V or Class G cement typically containing accelerator, LCM, dispersant, and fluid loss additives at 13.5 ppg, 1.81 ft^3/sk, & 8.85 gal wtr/sk.

Stage 2

LEAD 2:
± **320** sx of Type V (or equivalent) typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.3 ppg, 2.36 ft^3/sk, & 12.95 gal wtr/sk.

TAIL 2:
± **100** sx of Type V or Class G cement typically containing accelerator, LCM, dispersant, and fluid loss additives at 13.5 ppg, 1.81 ft^3/sk, & 8.85 gal wtr/sk.

Total estimated slurry volume for the 7" production casing is 1397 ft^3.

C. Production Liner: 4.5", 11.6#/ft, N-80, LT&C casing is to be set at 12002' MD, 6020' TVD in 6" hole.

The production liner will be set using an uncemented liner hanger. The liner may be tied back to surface during the completion of the well.

Note: The slurry design may change based upon actual conditions. Final cement volumes will be determined from the caliper logs (if available) plus 40%. It will be attempted to circulate cement to the surface.

5. LOGGING PROGRAM:

A. Mud Logger: A geologic consultant or unmanned mud logging unit will begin logging the well once the surface shoe is drilled out and remain on the well to TD.

B. Open Hole Logs as follows: Gamma Ray from Surface shoe to TD.

6. FORMATION TOPS:

See attached Directional Program.

**** 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
4/4/13