Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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 reverse side

RECEIVED
070 FARMINGTON NM

5. Lease Serial No.
NMNM14921

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
GREGORY FEDERAL A #1B

2. Name of Operator
XTO Energy Inc.

9. API Well No.
30-039-29503

3a. Address
2700 Farmington Ave., Bldg. K, Ste 1 Farmington,

3b. Phone No. *(include area code)*
505-324-1090

10. Field and Pool, or Exploratory Area
BLANCO MESAVREDE

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

2680' FNL & 1340' FWL SEC 27-T28N-R4W SURFACE
1980' FNL & 900' FWL SEC 27-T28N-R4W TOP PERF
1840' FNL & 812' FWL SEC 27-T28N-R4W BTM PERF

11. County or Parish, State
RIO ARRIBA NM

12. CHECK 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc. proposes to change the drilling program for this well per attached documents. The new plat (also attached) now shows two bottom hole locations.

JUL 2006
RECEIVED
OIL CONS. DIV.
DIST. 3

HOLD C104 FOR directional survey

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

Title
REGULATORY COMPLIANCE TECH

Signature: Holly C. Perkins

Date 6/29/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Original Signed: Stephen Mason

Title

Date JUL 03 2006

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, makes 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.

NMOCD

XTO ENERGY INC.

Gregory Federal A #1B
APD Data
June 28, 2006

Location: 2680' FNL x 1340' FWL Sec 27, T28N, R4W **County:** Rio Arriba **State:** New Mexico
Location at top Perf (5900' TVD): 1980' FNL x 900' FWL Sec 27, T28N, R4W
Location at bottom Perf (6843' TVD): 1840' FNL x 812' FWL Sec 27, T28N, R4W

GREATEST PROJECTED TD: 6925'MD, 6843' TVD OBJECTIVE: Blanco Mesaverde
APPROX GR ELEV: 7261' Est KB ELEV: 7273' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 6925
HOLE SIZE	12.25"	7.875"	7.875"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6- 9.20
VISCOSITY	28-32	28-32	45-60
WATER LOSS	NC	NC	8-10

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:

Surface Casing: 8.625" casing to be set at ± 360' 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	SF Burst	SF Ten
0'-360'	360'	24.0#	J-55	ST&C	1370	2950	244	8.097	7.972	7.950	17.13	28.24

Production Casing: 5.5" casing to be set at TD (±6925') in 7-7/8" 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	SF Burst	SF Ten
0'-6925	6925'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.22	1.45	1.88

Note: Safety factors are calculated based on a 9.2 ppg mwe with no backup using measured depth assumed to be in a vertical wellbore.

3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

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

A. Surface: 8.625", 24.0#, J-55, ST&C casing to be set at ± 360' in 12-1/4" hole.

214 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft^3/sk, & 6.70 gal wtr/sk.

Total slurry volume is 297 ft^3, 100% excess of calculated annular volume to 360'.

B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ±6925' in 7.875" hole. DV Tool set @ ±4000'

1st Stage

LEAD:
±276 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft^3/sk, 10.55 gal wtr/sx.

TAIL:
100 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:
±331 sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft^3/sk, 15.00 gal wtr/sx.

TAIL:
100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 1689 ft^3.

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

5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at 2,900' and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6925') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6925') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 7273'

See attached Directional Plan for Anticipated formation tops.

**** Maximum anticipated BHP should be <2,000 psig (<0.30 psi/ft) *****

7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
John Klutsch	Project Geologist	817-885-2800	-

JWE
6/28/06

XTO Energy

T28N, R04W
Gregory Federal A #1B
Gregory Federal A #1B
Gregory Federal A #1B

Plan: Slant Well Configuration

Standard Planning Report

28 June, 2006

XTO ENERGY

XTO Energy, Inc.
Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well Gregory Federal A #1B
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Project:	T28N, R04W	**MD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Site:	Gregory Federal A #1B	**North Reference:**	Grid
Well:	Gregory Federal A #1B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Gregory Federal A #1B		
Design:	Slant Well Configuration		

Project T28N, R04W, Rio Arriba County, NM, Directionals, largely on Carson National Forest

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site Gregory Federal A #1B, Sec. 27, T28N, R04W

Site Position:		**Northing:**	2,049,560.01 ft	**Latitude:**	36° 37' 52.500 N
From:	Lat/Long	**Easting:**	673,362.77 ft	**Longitude:**	107° 14' 33.000 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.35 °

Well Gregory Federal A #1B, Mesaverde Well – SHL: 2680' FNL & 1340' FWL, Sec. 27, T28N, R04W

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,049,560.01 ft	**Latitude:**	36° 37' 52.500 N
	+E/-W	0.0 ft	**Easting:**	673,362.77 ft	**Longitude:**	107° 14' 33.000 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	7,261.0 ft	**Ground Level:**	7,261.0 ft

Wellbore Gregory Federal A #1B

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/23/2006	10.25	63.59	51,246

Design Slant Well Configuration

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	327.85

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
0.0	0.00	327.85	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	327.85	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,420.9	10.00	327.85	1,418.8	31.0	-19.5	2.38	2.38	0.00	327.85	
5,971.3	10.00	327.85	5,900.0	700.0	-440.0	0.00	0.00	0.00	0.00	Gregory Federal A :
6,779.5	10.00	327.85	6,696.0	818.8	-514.7	0.00	0.00	0.00	0.00	
6,929.5	10.00	327.85	6,843.7	840.9	-528.6	0.00	0.00	0.00	0.00	

XTO Energy, Inc.
Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well Gregory Federal A #1B
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Project:	T28N, R04W	**MD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Site:	Gregory Federal A #1B	**North Reference:**	Grid
Well:	Gregory Federal A #1B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Gregory Federal A #1B		
Design:	Slant Well Configuration		

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)
0.0	0.00	327.85	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	327.85	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	327.85	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	327.85	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	327.85	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	327.85	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	327.85	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	327.85	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	327.85	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	327.85	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	327.85	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	2.38	327.85	1,100.0	1.8	-1.1	2.1	2.38	2.38	0.00
1,200.0	4.75	327.85	1,199.8	7.0	-4.4	8.3	2.38	2.38	0.00
1,300.0	7.13	327.85	1,299.2	15.8	-9.9	18.6	2.38	2.38	0.00
1,400.0	9.50	327.85	1,398.2	28.0	-17.6	33.1	2.38	2.38	0.00
1,420.9	10.00	327.85	1,418.8	31.0	-19.5	36.6	2.38	2.38	0.00
1,500.0	10.00	327.85	1,496.7	42.6	-26.8	50.4	0.00	0.00	0.00
1,600.0	10.00	327.85	1,595.1	57.4	-36.0	67.7	0.00	0.00	0.00
1,700.0	10.00	327.85	1,693.6	72.1	-45.3	85.1	0.00	0.00	0.00
1,800.0	10.00	327.85	1,792.1	86.8	-54.5	102.5	0.00	0.00	0.00
1,900.0	10.00	327.85	1,890.6	101.5	-63.8	119.8	0.00	0.00	0.00
2,000.0	10.00	327.85	1,989.1	116.2	-73.0	137.2	0.00	0.00	0.00
2,100.0	10.00	327.85	2,087.5	130.9	-82.3	154.6	0.00	0.00	0.00
2,200.0	10.00	327.85	2,186.0	145.6	-91.5	171.9	0.00	0.00	0.00
2,300.0	10.00	327.85	2,284.5	160.3	-100.7	189.3	0.00	0.00	0.00
2,400.0	10.00	327.85	2,383.0	175.0	-110.0	206.7	0.00	0.00	0.00
2,500.0	10.00	327.85	2,481.5	189.7	-119.2	224.0	0.00	0.00	0.00
2,600.0	10.00	327.85	2,580.0	204.4	-128.5	241.4	0.00	0.00	0.00
2,700.0	10.00	327.85	2,678.4	219.1	-137.7	258.8	0.00	0.00	0.00
2,800.0	10.00	327.85	2,776.9	233.8	-146.9	276.1	0.00	0.00	0.00
2,900.0	10.00	327.85	2,875.4	248.5	-156.2	293.5	0.00	0.00	0.00
3,000.0	10.00	327.85	2,973.9	263.2	-165.4	310.8	0.00	0.00	0.00
3,100.0	10.00	327.85	3,072.4	277.9	-174.7	328.2	0.00	0.00	0.00
3,200.0	10.00	327.85	3,170.8	292.6	-183.9	345.6	0.00	0.00	0.00
3,300.0	10.00	327.85	3,269.3	307.3	-193.1	362.9	0.00	0.00	0.00
3,400.0	10.00	327.85	3,367.8	322.0	-202.4	380.3	0.00	0.00	0.00
3,500.0	10.00	327.85	3,466.3	336.7	-211.6	397.7	0.00	0.00	0.00
3,600.0	10.00	327.85	3,564.8	351.4	-220.9	415.0	0.00	0.00	0.00
3,700.0	10.00	327.85	3,663.2	366.1	-230.1	432.4	0.00	0.00	0.00
3,800.0	10.00	327.85	3,761.7	380.8	-239.4	449.8	0.00	0.00	0.00
3,900.0	10.00	327.85	3,860.2	395.5	-248.6	467.1	0.00	0.00	0.00
4,000.0	10.00	327.85	3,958.7	410.2	-257.8	484.5	0.00	0.00	0.00
4,100.0	10.00	327.85	4,057.2	424.9	-267.1	501.9	0.00	0.00	0.00
4,200.0	10.00	327.85	4,155.6	439.6	-276.3	519.2	0.00	0.00	0.00
4,300.0	10.00	327.85	4,254.1	454.3	-285.6	536.6	0.00	0.00	0.00
4,400.0	10.00	327.85	4,352.6	469.0	-294.8	554.0	0.00	0.00	0.00
4,500.0	10.00	327.85	4,451.1	483.7	-304.0	571.3	0.00	0.00	0.00
4,600.0	10.00	327.85	4,549.6	498.4	-313.3	588.7	0.00	0.00	0.00
4,700.0	10.00	327.85	4,648.0	513.1	-322.5	606.0	0.00	0.00	0.00
4,800.0	10.00	327.85	4,746.5	527.8	-331.8	623.4	0.00	0.00	0.00
4,900.0	10.00	327.85	4,845.0	542.5	-341.0	640.8	0.00	0.00	0.00
5,000.0	10.00	327.85	4,943.5	557.2	-350.2	658.1	0.00	0.00	0.00
5,100.0	10.00	327.85	5,042.0	571.9	-359.5	675.5	0.00	0.00	0.00
5,200.0	10.00	327.85	5,140.5	586.6	-368.7	692.9	0.00	0.00	0.00

XTO Energy, Inc.
Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well Gregory Federal A #1B
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Project:	T28N, R04W	**MD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Site:	Gregory Federal A #1B	**North Reference:**	Grid
Well:	Gregory Federal A #1B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Gregory Federal A #1B		
Design:	Slant Well Configuration		

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)
5,300.0	10.00	327.85	5,238.9	601.3	-378.0	710.2	0.00	0.00	0.00
5,400.0	10.00	327.85	5,337.4	616.0	-387.2	727.6	0.00	0.00	0.00
5,500.0	10.00	327.85	5,435.9	630.7	-396.5	745.0	0.00	0.00	0.00
5,600.0	10.00	327.85	5,534.4	645.4	-405.7	762.3	0.00	0.00	0.00
5,700.0	10.00	327.85	5,632.9	660.1	-414.9	779.7	0.00	0.00	0.00
5,800.0	10.00	327.85	5,731.3	674.8	-424.2	797.1	0.00	0.00	0.00
5,900.0	10.00	327.85	5,829.8	689.5	-433.4	814.4	0.00	0.00	0.00
5,971.3	10.00	327.85	5,900.0	700.0	-440.0	826.8	0.00	0.00	0.00
6,000.0	10.00	327.85	5,928.3	704.2	-442.7	831.8	0.00	0.00	0.00
6,100.0	10.00	327.85	6,026.8	718.9	-451.9	849.2	0.00	0.00	0.00
6,200.0	10.00	327.85	6,125.3	733.6	-461.1	866.5	0.00	0.00	0.00
6,300.0	10.00	327.85	6,223.7	748.3	-470.4	883.9	0.00	0.00	0.00
6,400.0	10.00	327.85	6,322.2	763.0	-479.6	901.3	0.00	0.00	0.00
6,500.0	10.00	327.85	6,420.7	777.7	-488.9	918.6	0.00	0.00	0.00
6,600.0	10.00	327.85	6,519.2	792.4	-498.1	936.0	0.00	0.00	0.00
6,700.0	10.00	327.85	6,617.7	807.1	-507.3	953.3	0.00	0.00	0.00
6,779.5	10.00	327.85	6,696.0	818.8	-514.7	967.2	0.00	0.00	0.00
6,800.0	10.00	327.85	6,716.1	821.8	-516.6	970.7	0.00	0.00	0.00
6,900.0	10.00	327.85	6,814.6	836.5	-525.8	988.1	0.00	0.00	0.00
6,929.5	10.00	327.85	6,843.7	840.9	-528.6	993.2	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Gregory Federal A #1 - plan hits target - Point	0.00	0.00	5,900.0	700.0	-440.0	2,050,260.01	672,922.77	36° 37' 59.449 N	107° 14' 38.345 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
320.0	320.0	8 5/8"	8-5/8	12-1/4
6,925.0	6,839.2	5 1/2"	5-1/2	7-7/8

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well Gregory Federal A #1B
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Project:	T28N, R04W	**MD Reference:**	Rig KB @ 7273.0ft (Aztec #545)
Site:	Gregory Federal A #1B	**North Reference:**	Grid
Well:	Gregory Federal A #1B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Gregory Federal A #1B		
Design:	Slant Well Configuration		

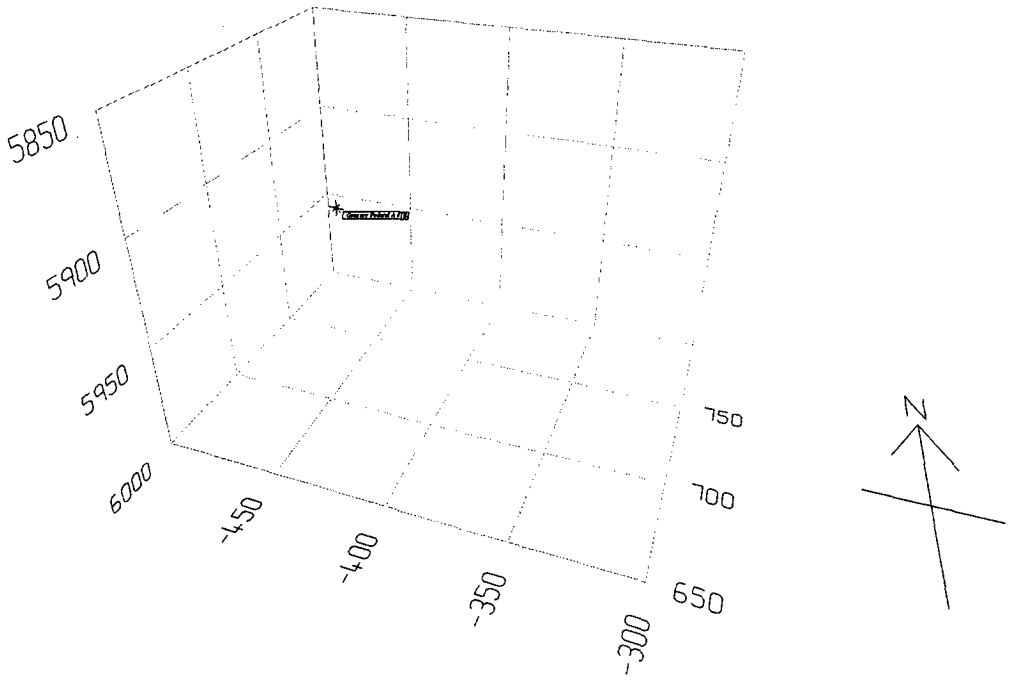
Formations

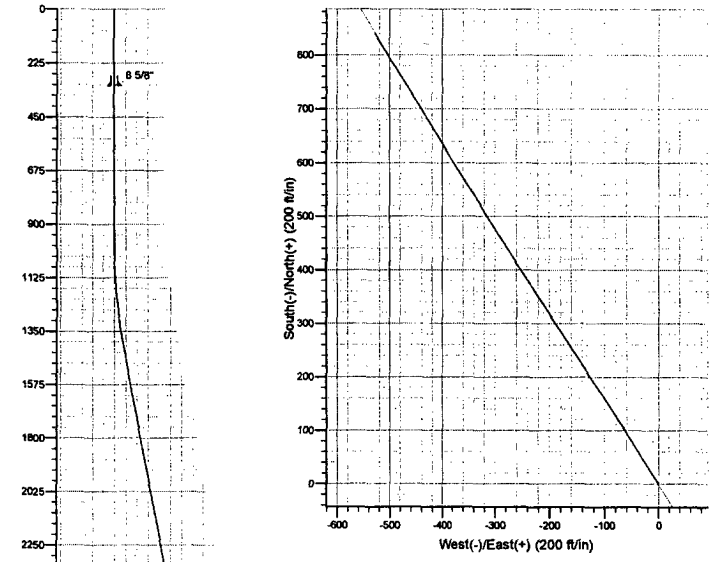
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,517.0	3,483.0	Ojo Alamo SS	Sandstone	0.00	
3,774.9	3,737.0	Kirtland Shale	Shale	0.00	
3,847.0	3,808.0	Fruitland Formation		0.00	
4,230.8	4,186.0	Pictured Cliffs SS	Sandstone	0.00	
4,524.3	4,475.0	Lewis Shale	Shale	0.00	
5,239.1	5,179.0	Chacra SS	Sandstone	0.00	
6,028.1	5,956.0	Cliffhouse SS	Sandstone	0.00	
6,149.0	6,075.0	Menefee		0.00	
6,444.5	6,366.0	Point Lookout SS	Sandstone	0.00	
6,779.5	6,696.0	Mancos Shale	Shale	0.00	

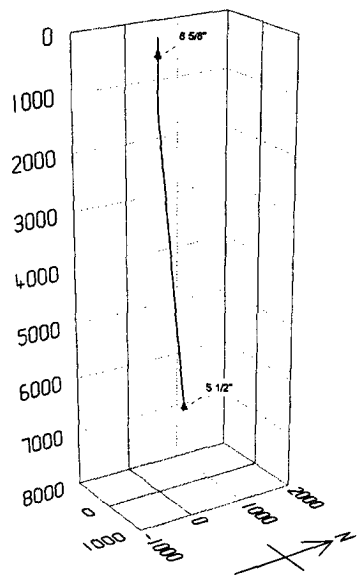
Project: T3RN, R94W
Description: 1907 FNL & 907 FWL
Map Northing: 2030240.01 ft
Map Easting: 673912.77 ft
Latitude: 36° 37' 59.449 N
Slope: Point

Target: Gregory Federal A #1B

Well: Gregory Federal A #1B
Vertical Depth: 5900.0 ft below Rig KB
Local +N/-S: 700.0 ft
Local +E/W: -440.0 ft
Longitude: 107° 14' 38.243 W







WELL DETAILS: Gregory Federal A #1B

Ground Level: 7261.0
-1980.0 FNL
900.0 FWL

Name	TVD	+N/-S	+E/-W	Shape
Gregory Federal A #1B	5900.0	700.0	-440.0	Point

Project: T28N, R04W
Site: Gregory Federal A #1B
Well: Gregory Federal A #1B
Wellbore: Gregory Federal A #1B
Slant Well Configuration

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3483.0	3517.0	Ojo Alamo SS
3737.0	3774.9	Kirtland Shale
3808.0	3847.0	Fruitland Formation
4186.0	4230.8	Pictured Cliffs SS
4475.0	4524.3	Lewis Shale
5179.0	5239.1	Chacra SS
5956.0	6028.1	Cliffhouse SS
6075.0	6149.0	Menefee
6366.0	6444.6	Point Lookout SS
6696.0	6779.5	Mancos Shale

CASING DETAILS

TVD	MD	Name	Size
320.0	320.0	8 5/8"	8-5/8
6839.2	6925.0	5 1/2"	5-1/2

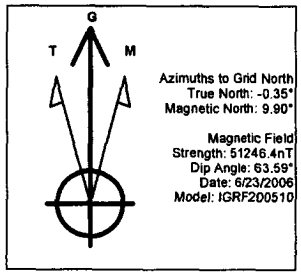
PROJECT DETAILS: T28N, R04W

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003

System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	327.85	0.0	0.0	0.0	0.00	0.00	0.0	
1000.0	0.00	327.85	1000.0	0.0	0.0	0.00	0.00	0.0	
1420.9	10.00	327.85	1418.8	31.0	-19.5	2.38	327.85	36.6	
5971.3	10.00	327.85	5900.0	700.0	-440.0	0.00	0.00	826.8	Gregory Federal A #1B
6779.5	10.00	327.85	6696.0	818.8	-514.7	0.00	0.00	967.2	
6929.5	10.00	327.85	6843.7	840.9	-528.6	0.00	0.00	993.2	



Azimuths to Grid North
True North: -0.35°
Magnetic North: 9.90°

Magnetic Field
Strength: 51246.4nT
Dip Angle: 63.59°
Date: 6/23/2006
Model: IGRF200510

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDEDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-29503	72319	BLANCO MESAVERDE

[4] Property Code	[5] Property Name	[6] Well Number
	GREGORY FEDERAL A	1B

[7] OGRID No.	[8] Operator Name	[9] Elevation
167067	XTO Energy. Inc.	7261'

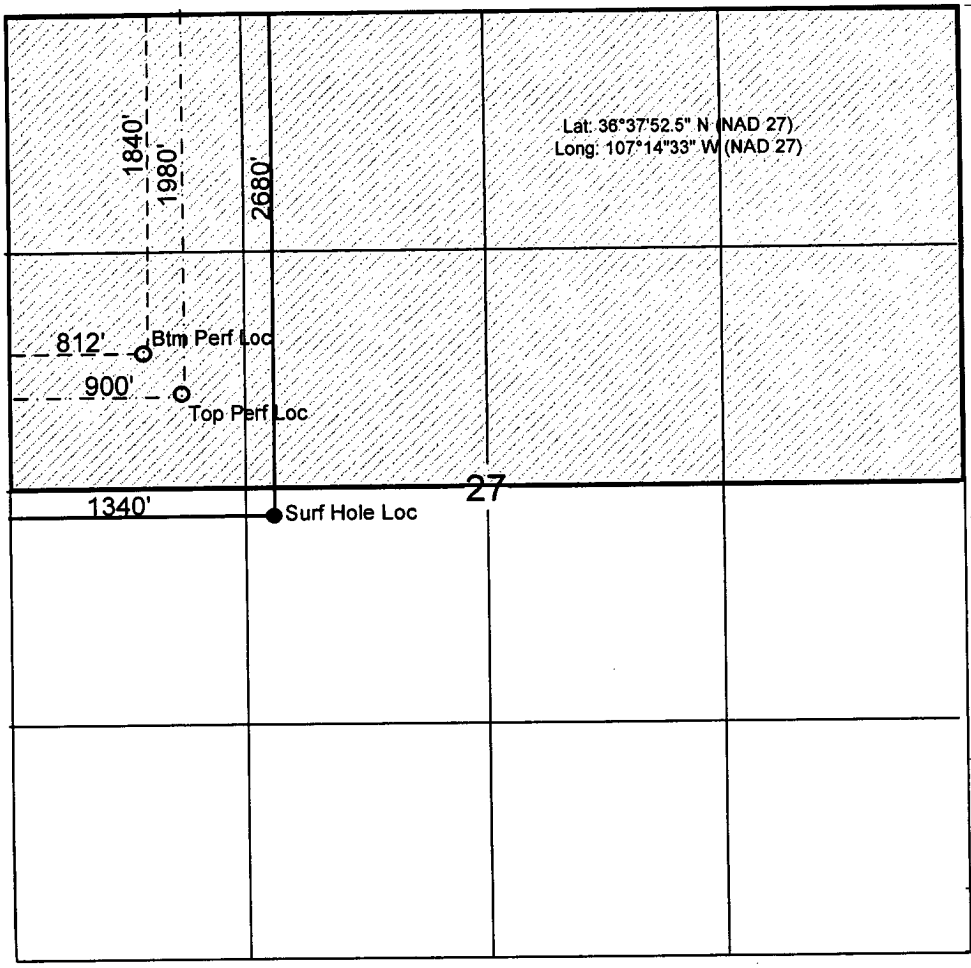
[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	28N	4W		2680	NORTH	1340	WEST	RIO ARRIBA

[11] Bottom Hole Locations: Top Perf & Btm Perf

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	28N	4W		1980	NORTH	900	WEST	RIO ARRIBA
UL or lot no.	Section	Infill [4]		Lot [5]	Feet from the	North/South line	Feet from the	East/West line	County
E	27	28N	4W		1840	NORTH	812	WEST	RIO ARRIBA

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



OPERATOR CERTIFICATION

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

Holly C. Perkins
Signature

Holly C. Perkins
Printed Name

Regulatory Compliance Tech
Title

6/29/2006
Date

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.

8/4/2004
Date of Survey

Original Survey Signed By:
JOHN A. VUKONICH

14831
Certificate Number