

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.

5. Lease Serial No.

SF-077382

6. If Indian, Allottee or Tribe Name

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

SW359 NM 11M 73950

8. Well Name and No.

MARTIN C FEDERAL # 1

9. API Well No.

30-045-06916

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

SAN JUAN NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

2700 Farmington Ave., Bldg. K. Ste 1 Farmington,

3b. Phone No. (include area code)

505-324-1090

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

990' FNL & 1850' FEL SEC 3B-T27N-R10W

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other WORKOVER

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 shall 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 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. intends to workover this well per the attached procedure.

RCVD NOV 22 '06  
OIL CONS. DIV.

DIST. 3

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

LORRI D. BINGHAM

Title

REGULATORY COMPLIANCE TECH

Date 11/16/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

11/21/06

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.

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.

**Martin 'C' Federal #1  
Unit B, Sec 03, T 27 N, R 10 W  
San Juan County, New Mexico**

**Recover Packer & Repair Casing**

**Surf csg:** 9-5/8", 32.3#, H-40 csg @ 260'. Circ cmt to surf.

**Prod csg:** 5-1/2", 15.5#, K-55 csg @ 6,572'. DV tl @ 2,100'.

**Cement:** Stg 1 w/190 sx cmt (TOC @ 5,840' by temperature survey). Stg 2 w/150 sx cmt (TOC @ 1,200' by temperature survey).

**Tbg:** 2-3/8" tubing with packer at end. Unknown depths of packer, SN, or EOT. (*Packer expected to be a Baker model R-3 retrievable packer*).

**Perforations:** DK: 6,354'-6,406', 6,450'-6,494', 6,516'-6,546' @ 4 JSPF.

**Current:** Shut in. Plunger lifting equipment stuck in tubing (2 plungers).

**Casing Leak:** Unknown depth

**Workover Procedure**

- 1) MIRU PU.
- 2) Blow well down and kill well with 2% KCl water.
- 3) ND WH. NU BOP.
- 4) TOH w/tubing and packer (visually inspect tubing for HIT). *Packer expected to be a Baker model R-3 retrievable packer.*
- 5) Retrieve a fluid sample. Chemical/acid treatments will be evaluated based on sample taken.
- 6) If packer can not be pulled, contact Brock Hendrickson and SUSPEND OPERATIONS until further notice to begin fishing operations.
- 7) TIH with a 4-1/2" bit and scraper to 6,550' (4' below bottom perf). Report any fill or scale Brock Hendrickson.
- 8) TOH with bit and scraper. TIH with RBP, retrievable packer, and 2-3/8" tubing.
- 9) Isolate hole in casing (*Casing leak suspected to be in Mesa Verde formation, Top @ 3,510', Bottom @ 4,447'*).
- 10) TOH with packer and RBP. Set a CIBP at least 100' below squeezing interval. TIH with CICR. Set CICR at least 100' above squeezing interval.
- 11) Squeeze casing leak intervals with Type III, NEAT cement. The number of sacks is to be determined. **Contact BLM/NMOCD prior to cementing operations.**
- 12) ALLOW CEMENT TO SET FOR AT LEAST 24 HOURS.

- 13) TIH with 4-1/2" mill, SN, and 2-3/8" tubing. Drill out CICR and cement to CIBP. Pressure test casing to 500 psig for 30 minutes.
- 14) Drill out CIBP. Clean out to PBTD (depth unknown).
- 15) TOH w/BHA. TIH w/NC, SN, and 2-3/8" tubing. Land EOT @  $\pm 6,451'$ , SN @  $\pm 6,450'$ .
- 16) MIRU acid and pump truck. BD Dakota perms from 6,354'-6,546' and EIR with 2% KCl water. Acidize with chemical treatment designed from sample taken. Flush with 1,050 gals 2% KCl water. RDMO acid and pump truck. ALLOW ACID TO SET FOR A MINIMUM OF FOUR HOURS.
- 17) Swab well until clean fluid is obtained and well kicks off.
- 18) Drop BHBS. Drop plunger.
- 19) RDMO PU. Return well to production.
- 20) Report rates and pressures to Brock Hendrickson.

**Regulatory:**

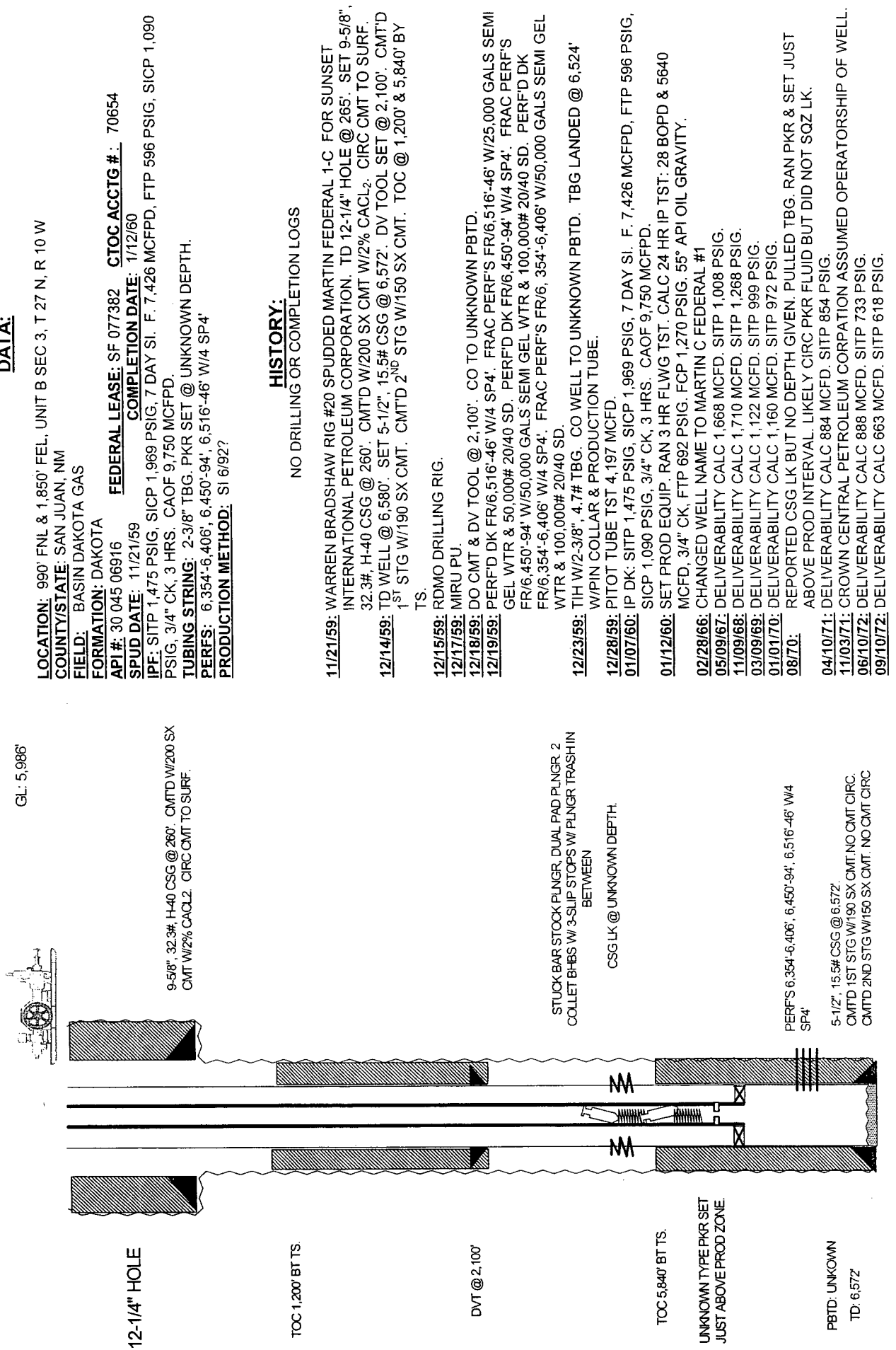
1. Submit sundry to repair casing leak.

**Equipment:**

1. New SN, BHBS, and plunger

# MARTIN "C" FEDERAL #1

## WELLBORE DIAGRAM



# MARTIN "C" FEDERAL #1

## WELLBORE DIAGRAM

05/10/75: DELIVERABILITY CALC 542 MCFD. SITP 523 PSIG.

06/92: SI WELL?

01/13/88: AMOCO ASSUMED OPERATORSHIP OF WELL.

01/01/98: CTOC ASSUMED OPERATORSHIP OF WELL.

12/29/99: OP TBG & STD NEW WEATHERFORD WH RECIP COMP (ARROW 330, CTOC DIST TOOL SJB # 12944) @ 2:00 P.M.

06/27/01: MIRU H&M PRECISION PMP TRK. PPD 13 BFW DWN CSG/TBG ANNULUS. PRESS TSTD ANNULUS TO 500 PSIG. LOST 20 PSIG IN 10". RE-PRESSURED ANNULUS TO 500 PSIG. LOST 20 PSIG IN 10". RDMO H&M PMP TRK.

10/24/02: MIRU SL. RIH W/2" SB TO 6,295'. REC COLLET TYPE BHBS. RIH W/2" SB TO 6,295'. DID NOT REC TBG STOP. RIH W/1.80" IB TO 6,295'. IMPRESSION SHOWS DAMAGE FISHNECK. RIH W/2" RB & BAITED OVERSHOT TO 6,295'. COULD NOT LATCH ONTO FISHNECK. RIH W/1.90" TBG BROACH TO 6,295'. RE PLUMBED WH FOR PACEMAKER PLNGR LIFT. DROPPED TRAVELING SPRING, BALL & PLNGR.

03/25/03: MIRU SL. RIH W/1.5" GC FISHING TOOL. TGD @ 6,295'. POH. REC PACEMAKER PLNGR, TRAVELING SPRING (NO BALL), RIH W/1.915" TBG BROACH. TGD @ 6,295' (10/24/02 LEFT TBG STOP W/BAD FISHING NECK IN TBG). DK PERFS FR/6,354' - 6,546'. PKR DEPTH NOT RPTD (SET CLOSE TO TOP PERF). POH W/TBG BROACH. SET CW TBG PLUG @ 1,000'. REC BALL IN WH. INSTALLED NIPPLE IN TBG HANGER. DROPPED TRAVELING SPRING, BALL & PACEMAKER PLNGR.

08/23/03: MIRU SL. RIH W/1.5" GS FISHING TOOL. TGD @ TBG HANGER IN WH. POH. REC BROKEN PLNGR. REC PIECE OF PLNGR. REC FISHING NECK FR/PLNGR. RIH W/1.80" IB. TBG @ 6,294'. POH. IB SHOWED BROKEN SPRING ON TOP OF TBG STOP @ 6,295' (TBG STOP HAS BAD FISHING NECK SEE 10/24/02 & 3/25/03 RPTS). RIH W/2" SB TOOL & THREE SLIP TBG STOP. SET TBG STOP @ 6,294'. POH. DROPPED TRAVELING SPRING, BALL & PACEMAKER PLNGR.

04/22/04: MIRU SL. REC PM PLNGR, BALL & BRKN FISH NECK FR/BHBS.

04/23/04: MIRU WL SL. RIH W/SB & THREE STOP & SET @ 6,295' FS. POH W/SL. DROPPD TRAVELING SPRG, BALL & PM PLNGR.

07/16/04: MIRU WL SLU. POH & REC DAMAGED FLTG BHBS. V&R PROD DROPPD PAD PLNGR. PLNGR CYCLING ON 3-SLIP STOP.

10/28/04: PT TCA W/14 BBLs 2% KCL WTR TO 550 PSIG. PRESS DECR TO 430 PSIG IN 5" (-120 PSIG). BD CSG. RLSD H&M PRECISION. RWTP 10/27/04.

04/26/05: MIRU SLU. RIH W/2" TL. TGD @ 6,295'. LATCHED STK PLNGR. SHEARED OFF. POH, NO REC. RIH W/HYD JARS & 2" JDC TL. TGD @ 6,295'. LATCHED STK PLNGR. FIRED JARS 30". FISH DID NOT COME FREE. SHEARED OFF.

04/27/05: DRPD BAR STOCK PLNGR.

06/10/05: MIRU SLU. RIH W/2" JDC TL. TGD @ 6,290'. LATCHED STUCK PLNGR 3 TIMES. ATTEMPT TO PULL UP. SLIPPED OFF EACH TIME.

01/22/06: MIRU SWU. RIH W/2" JDC TL. TGD @ 6,300'. POH. NO REC. TL SHOWS SD. BFL @ 4,550' FS. S O BO. 1.5 BW. 5 RUNS. 5 HRS. FFL SCATD FS. WELL KO FLWG MIST TO PIT AFTER 1ST RUN. OPN TBG TO SALES & RWTP. SDFWE. (LEFT IN HOLE. STUCK BAR STOCK PLNGR. STUCK DUAL PAD PLNGR. 2 COLLET BHBS W/ 3-SLIP STOPS W/ PLNGR TRASH IN BETWEEN. UNKNOWN UNDER 3-SLIP STOPS.)

## MARTIN C FEDERAL 1

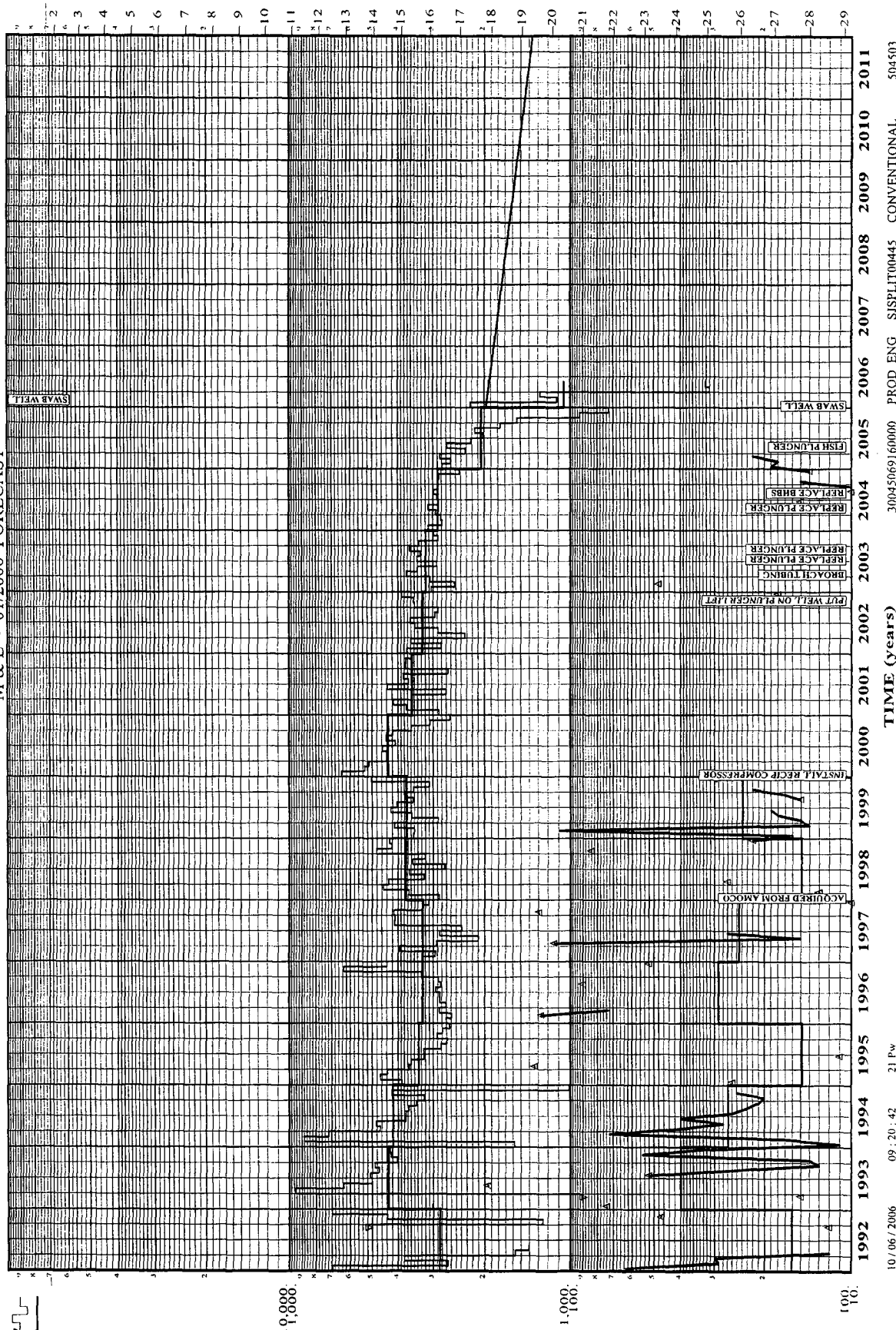
XTO ENERGY  
BASIN ( DAKOTA )  
SAN JUAN, NEW MEXICO  
3B 27N 10W  
MMM

SAN JUAN  
70654

ML KED LDR

M &amp; L - 01/2006 FORECAST

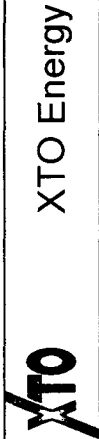
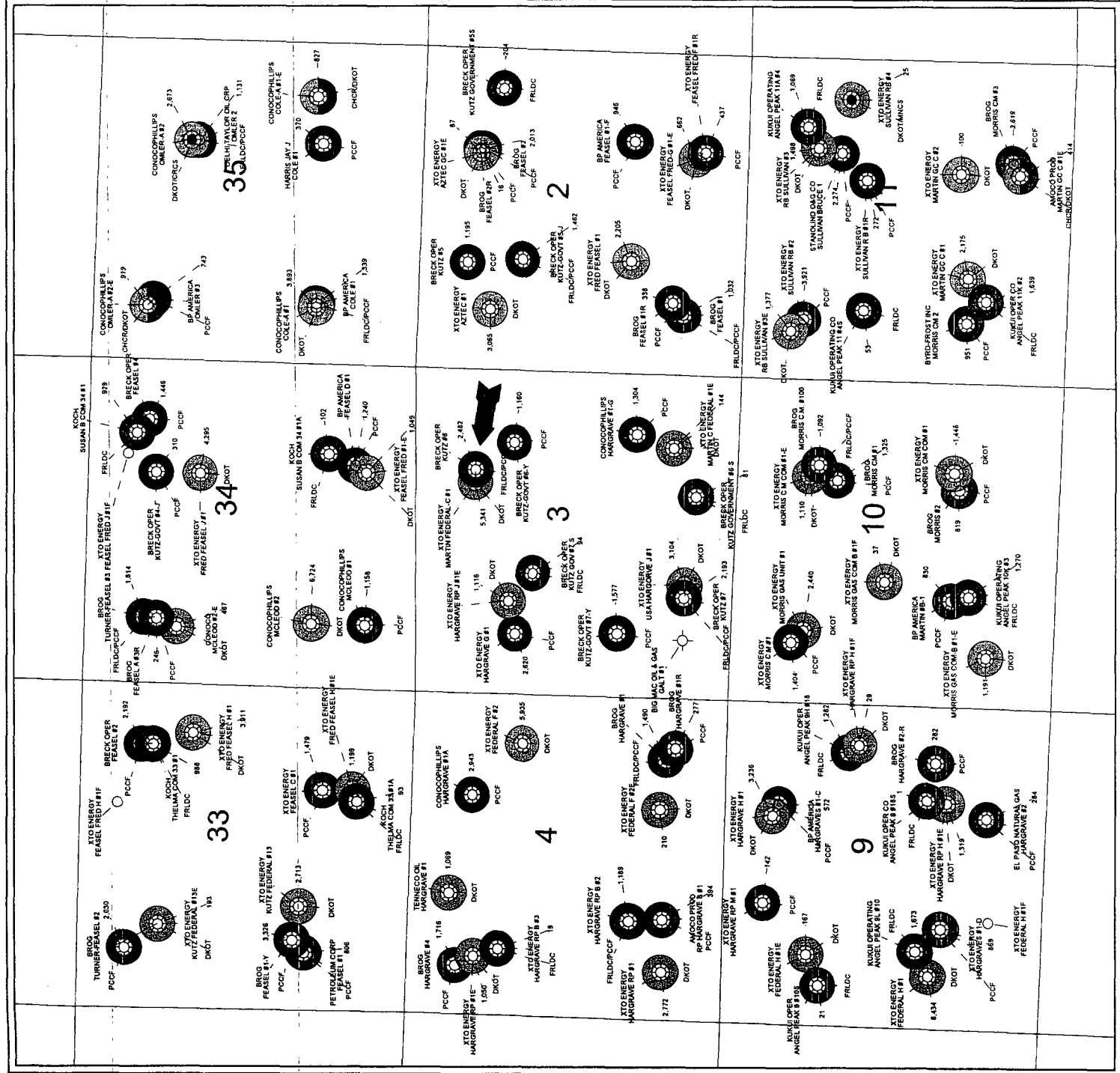
|      | GAS (mcf/mo) | OIL (bbls/mo) |
|------|--------------|---------------|
| 1990 | 1,000        | 100           |
| 1991 | 1,000        | 100           |
| 1992 | 1,000        | 100           |
| 1993 | 1,000        | 100           |
| 1994 | 1,000        | 100           |
| 1995 | 1,000        | 100           |
| 1996 | 1,000        | 100           |
| 1997 | 1,000        | 100           |
| 1998 | 1,000        | 100           |
| 1999 | 1,000        | 100           |
| 2000 | 1,000        | 100           |
| 2001 | 1,000        | 100           |
| 2002 | 1,000        | 100           |
| 2003 | 1,000        | 100           |
| 2004 | 1,000        | 100           |
| 2005 | 1,000        | 100           |
| 2006 | 1,000        | 100           |
| 2007 | 1,000        | 100           |
| 2008 | 1,000        | 100           |
| 2009 | 1,000        | 100           |
| 2010 | 1,000        | 100           |
| 2011 | 1,000        | 100           |
| 2012 | 1,000        | 100           |
| 2013 | 1,000        | 100           |
| 2014 | 1,000        | 100           |
| 2015 | 1,000        | 100           |
| 2016 | 1,000        | 100           |
| 2017 | 1,000        | 100           |
| 2018 | 1,000        | 100           |
| 2019 | 1,000        | 100           |
| 2020 | 1,000        | 100           |
| 2021 | 1,000        | 100           |
| 2022 | 1,000        | 100           |
| 2023 | 1,000        | 100           |
| 2024 | 1,000        | 100           |
| 2025 | 1,000        | 100           |
| 2026 | 1,000        | 100           |
| 2027 | 1,000        | 100           |
| 2028 | 1,000        | 100           |
| 2029 | 1,000        | 100           |
| 2030 | 1,000        | 100           |



|                 |          |              |              |        |
|-----------------|----------|--------------|--------------|--------|
| 330045069160000 | PROD ENG | SISPLIT00445 | CONVENTIONAL | 504503 |
|-----------------|----------|--------------|--------------|--------|

TIME (years)

10 / 06 / 2006 09 : 20 : 42 21 Pw



XTO Energy

Martin Federal C #1

Sec 3, T 27N, R10W



POSTED WELL DATA

Operator  
Well Label  
● WELL - CUMGAS (MMCF)  
ProdFM

ATTRIBUTE MAP

- Zone: WELL - G\_409PRDX IS PRESENT
- Zone: WELL - G\_602DKOT IS PRESENT
- Zone: WELL - G\_603GLP IS PRESENT
- Zone: WELL - G\_604FRLOC IS PRESENT
- Zone: WELL - G\_603GLP IS PRESENT
- Zone: WELL - G\_604PCCF IS PRESENT
- Zone: WELL - G\_604CHCR IS PRESENT
- Zone: WELL - G\_604MVRD IS PRESENT
- Zone: WELL - G\_553MRSN IS PRESENT
- Zone: WELL - G\_604FRPCL IS PRESENT
- Zone: WELL - G\_604FRPCL IS PRESENT



WELL SYMBOLS

- Location Only
- Gas Well
- Oil & Gas Well
- Dry Hole
- Coal Gas Well

October 6, 2006

## **BLM CONDITIONS OF APPROVAL**

### ***CASING REPAIR OPERATIONS:***

- 1. Once casing leaks are identified, obtain prior approval from this office before commencing repairs. Contact Jim Lovato @ (505) 599-6367.**
- 2. A properly functioning BOP and related equipment must be installed prior to commencing worker and/or recompletion operations.**

### ***SURFACE USE OPERATIONS:***

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

***STANDARD STIPULATIONS:*** All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

### ***SPECIAL STIPULATIONS:***

- 1. Pits will be fenced during work-over operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the work-over activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**