Form 3160-3

SUBMIT IN TRIPLICATE*

FORM APPROVED OMB NO. 1004-0136

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN DEFINITION WORK DEFINITION DEFPORMENT	DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN DEFINE DEFINE DEEPEN DEFINE DEEPEN DEAT TO THIS OF WALL TO THIS SOUTH OF THE INTERIOR SOUTH OF THE INTERIOR TO THE OF WALL TO THIS SOUTH OF THE INTERIOR TO THE OF WALL TO THE OF W	(July 1992)	UNITE	ED STATES	S	(Other instruction reverse side		Expires: Februa	ary 28, 1995		
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		PERMIT NO.		olicant holds local or o	-		se which wou	ald entitle the applicant to cond	uct operations the		

*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. DISTRICT I 1625 N. French Dr., Hobba, H.M. 88240

State of New Mexico Energy, Minorals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Avieria, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aziec, N.M. 67410

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

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

MENDED REPORT

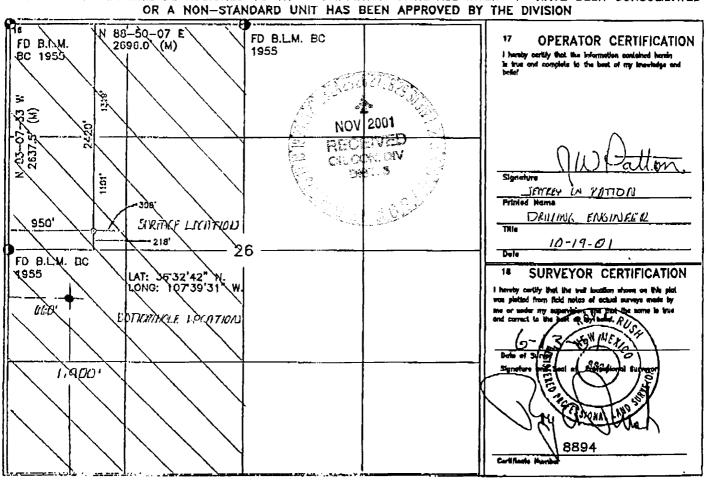
DESTRICT IV 2040 South Facheco, Saria Fe, NM 87505

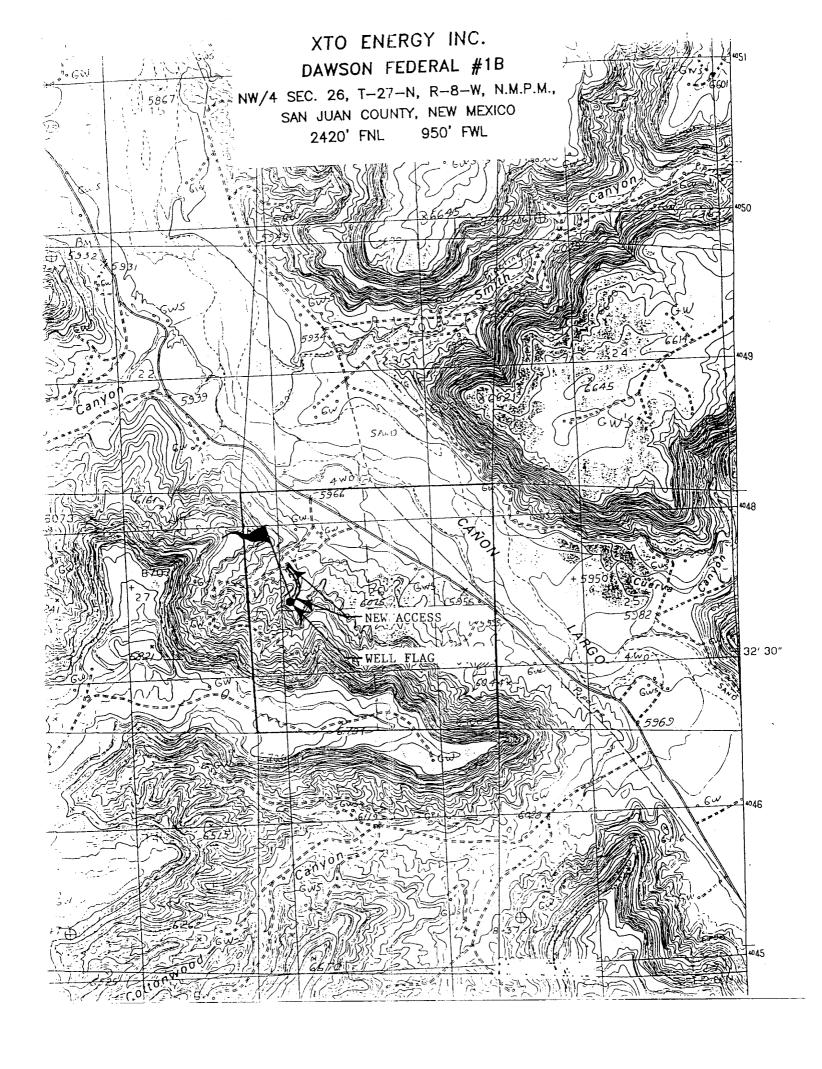
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-00	Number -	30881	<u> </u>	12319	7	BLANCO	MESA V	ERDE	
Property Co	√व [* Property				* Well Number
2260	021				DAWSON FE	DERAL			18
OCRID No	· ·	-w			*Operator	Nome			Elevofion
1670	01				XTO ENERG	Y INC.			6019'
					10 Surface	Location		<u> </u>	
UL or let ha.	Section	Township	Range	Let Idn	feel from the	North/South And	Fact from the	East/West line	County
Ε	26	27-N	8W		2420'	NORTH	950'	WEST	SAN JUAN
_			11 Botte	om Hole	Location	If Different F	rom Surface	9	
UL or lot no.	Section	Township	Range	Let Idn	Feel Scott the	Horfh/South Mas	Feet from the	East/West line	County

660' ADEST SHIU JUNA 2.6 27-N 8.W SOUTH 1700' "Joint or Infill "Order No.

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





XTO ENERGY INC.

DAWSON FEDERAL #1B

APD Data October 19, 2001

Location: Surface: 2,420' FNL & 950' FWL, Sec 26, T27N, R08W County: San Juan State: New Mexico

Approx Bottomhole: 1,900' FSL & 660' FWL

PROJECTED TOTAL DEPTH: ±4,975'

OBJECTIVE:

Mesaverde

GR ELEV: 6,019'

Est KB ELEV: <u>6,031 (12' AGL)</u>

1. MUD PROGRAM:

INTERVAL	0' to 370'	370' to 3,500'	3,500' to TD
HOLE SIZE	12-1/4"	7-7/8"	7-7/8"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND
WEIGHT	8.6-9.0	8.4-8.8	8.6-9.0
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. Pre-treat with 20% LCM @ 3,500'. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity (>85 sec) at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:

Surface Casing: 8-5/8" casing to be set at ± 365 ' in 8.8 ppg mud

Dui Iuoo												
					Coll	Burst						
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-370'	365'	24#	J-55	STC	1370	2950	244	8.097	7.972	7.32	7.95	29.39

Production Casing: 4-1/2" casing to be set at TD in 9.0 ppg mud.

						Coll	Burst						
						Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
1	Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
1	0'-TD	4,975'	10.5#	J-55	STC	4010	4790	132	4.052	3.875	1.66	1.33	2.44

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), 4-1/2" 8rnd female thread on bottom, 8-5/8" 8rnd thread on top.

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

A. Surface: 8-5/8°, 24#, J-55, STC casing to be set at \pm 365'.

<u>Lead:</u> 215 sx of Type III cement containing 2% CaCl₂, ¼ pps celloflake, mixed at 14.6 ppg, 1.41 ft³/sk, & 6.30 gal wtr/sk.

Total slurry volume is 303 ft³, $\pm 100\%$ excess of calculated annular volume to 365'.

B. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 4,975$ '.

<u>Lead:</u> 800 sx of Premiun Lite FM (65%/35%/6%) with 2% KCl, 1/4#/sx celloflake, 0.35% dispersant, 0.25% fluidloss additive & 5 #/sx gilsonite mixed at 12.5 ppg, 2.00 cuft/sx & 10.7 gals/sx water.

Total estimated slurry volume (including 40% excess) for the 4-1/2" production casing is 1,600 ft³.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%. If lost circulation occurs whie drilling, the cement procedure may require the use of a DV Tool located at $\pm 3,700$ °. The same cement slurry will be used as stated above. Only the volume will be changed. We will attempt to circulated cement to surface.

5. DIRECTIONAL DRILLING PROGRAM

The well will be drilled from a surface location at 2,420' FNL & 950' FWL to a bottomhole target located at 1,900' FSL & 660' FWL in the same section (26). It is proposed that the well be drill using a build and hold type of curve. The directional drilling tools will KO at 700' TVD. The wellbore will be turned towards the target over a distance of 1,300. At this point, the directional drilling tools will continue on a straight line at an angle of ±15.5 deg. to the target. During the directional drilling process, the exact location of the bit will be recorded using MWD tools. The approx. TD of the well will be 4,975' MD (distance along the wellbore), 4,958' TVD (vertical distance down), 993' closure (step), 15.5 deg inclination and 197 deg azimuth.

5. LOGGING PROGRAM:

- A. Mud Logger: A 2-man mud logging unit will come on the hole @ 3,500' and will remain on the hole until TD.
- B. Open Hole Logs as follows: Run Dual Induction/SFL/GR/SP fr/TD ($\pm 4,975$ ') to the bottom of the surface csg. Run CNL/LDT (Lithodensity)/GR/Cal and Pe from TD to 3,500'.

