Form \$160-3 (April 2004) CONS. DOW. SUNITED STATES	_			FORM AP OMB No. 1 Expires Mai	004-0137	7	
DIST. 3 DEPARTMENT OF THE	INTERIOR	nn 1 05		5. Lease Serial No. NMNM-14922			
BUREAU OF LAND MAN APPLICATION FOR PERMIT TO		REENTER		6. If Indian, Allotee o	r Tribe Na	ame	
	70 7.10	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		N/A 7 If Unit or CA Agrees	ment. Nam	ne and No.	
la. Type of work: ☑ DRILL ☐ REENT	TER			N/A			
1b. Type of Well: Oil Well Gas Well Other	√ Sin	gle Zone Multip	le Zone	8. Lease Name and Work CARSON FEDI	-	1 C	
2. Name of Operator XTO ENERGY INC				9. API Well No. 30-039- 701	607		
3a. Address 2700 FARMINGTON AVE., BLDG. K-1 FARMINGTON, NM 87401	t	(include area code) 24-1090		10. Field and Pool, or Ex BLANCO MES	xploratory		
4. Location of Well (Report location clearly and in accordance with a	any State requireme	ents.*)		11. Sec., T. R. M. or Bl	k. and Surv	rey or Area	a
At surface 705 FNL & 755 FEL At proposed prod. zone Same			,	A 34-28N-4W NM	I PM		
14. Distance in miles and direction from nearest town or post office* 26 AIR MILES SOUTHWEST OF DULCE				12. County or Parish RIO ARRIBA		13. State N	IM
15. Distance from proposed* location to nearest	16. No. of a	cres in lease	17. Spacir	ng Unit dedicated to this w	ell		
property or lease line, ft. (Also to nearest drig. unit line, if any) 705'	640	·	N2	320			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1,126' (#10)	19. Proposed	l Depth		BIA Bond No. on file I NATIONWIDE 57 91	1 73		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7,233' GL	22. Approxi	mate date work will sta	rt*	23. Estimated duration 4 WEEKS	1		
<u></u>	24. Attac			<u> </u>			
The following, completed in accordance with the requirements of Onsi	hore Oil and Gas	Order No.1, shall be a	ttached to the	his form:			
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover to Item 20 above).	the operation	ons unless covered by an	existing b	ond on file	e (se
3. A Surface Use Plan (if the location is on National Forest Systes SUPO shall be filed with the appropriate Forest Social Office).	m Lands, the	5. Operator certifi	specific in	formation and/or plans as	may be re	equired by	the
25. Signature		(Printed/Typed) BRIAN WOOD			Date 07/1	16/2005	
Title CONSULTANT	PHON	E: (505) 466-8120	FA	X: (505) 466-9682			
Approved by (Signature)	Name	(Printed/Typed)		***	Date	119	10
Title Adma AFM	Office					-1	+
Application approval doct not warrant or certify that the applicant he conduct operations thereon. Conditions of approval, if any, are attached.	olds legal or equ	itable title to those rig	hts in the su	ibject lease which would e	entitle the a	applicant to	0
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations	a crime for any p as to any matter	erson knowingly and within its jurisdiction.	willfully to	make to any department of	or agency	of the Uni	ited
*(Instructions on page 2)							
		. /					
	DF Sti	RILLING OPERATION					

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

MMOCD

DISTRICT | 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised June 10, 2003

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT III

Submit to Appropriate District Office State Lease — 4 Copies

. 60210

nn 1 05

RECEIVED

1220 South St. Francis Dr. Santa Fe, NM 87505

Fee Lease - 3 Copies

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

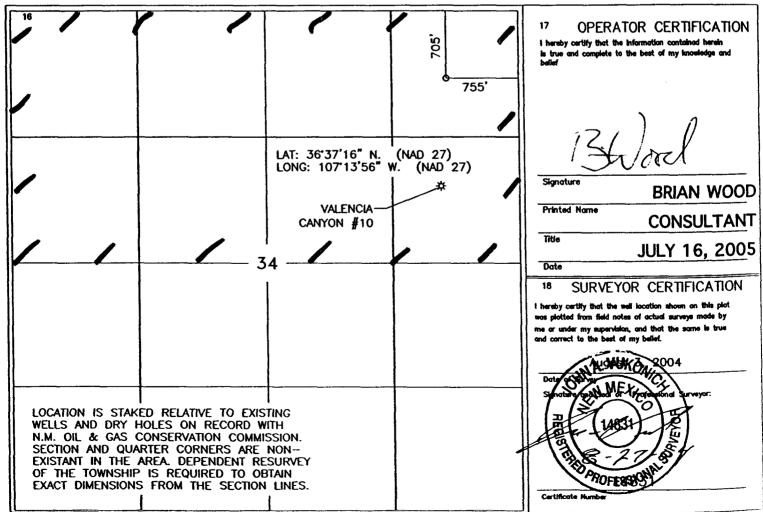
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30 - 0 39 - 0	39602 72319	BLANCO MESA VERDE	
⁴ Property, Code	*Pi	roperty Name	⁴ Well Number
123488	* CARSO	ON FEDERAL I .	1C
OGRID No.	•0	perator Name	* Elevation
167067	• XTO	ENERGY INC.	7233

¹⁰ Surface Location

Dedicated Acres	ı	,	¹³ Joint or i	nfili	14 Consolidation C	ode	15 Order No.		•
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
		•	" Bott			lf Different Fr		<u></u>	
Α .	34	28-N	4-W	•	705	NORTH	. 755 .	. EAST .	RIQ ARRIBA
UL or lot na.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County

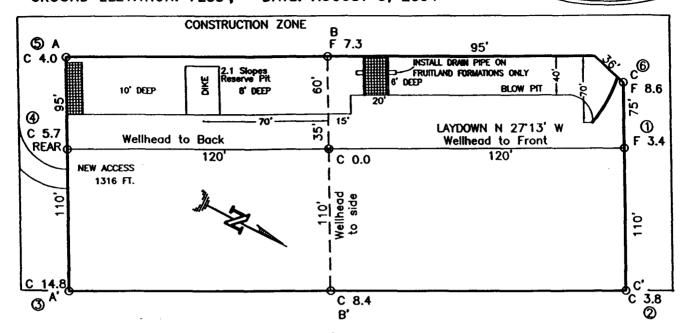
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Submit 3 Copies To Appropriate District Office	State of New Me Energy, Minerals and Natu		Form C-103 May 27, 2004
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	Energy, without and read	iai Resources	WELL API NO. 30-039- 70/202
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION		5. Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fran		STATE FEE
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NM 87	7505	6. State Oil & Gas Lease No.
87505			NMNM-14922
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE *APPL	ICES AND REPORTS ON WELLS DISALS TO DRILL OR TO DEEPEN OR PLA ICATION FOR PERMIT® (FORM C-101) FO	JG BACK TO A	7. Lease Name or Unit Agreement Name CARSON FEDERAL I
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well X Other		8. Well Number 1 C
2. Name of Operator XTO El	NERGY INC.		9. OGRID Number 167067
SURFACE FARMIN	RMINGTON AVE., BLDG. K-1, NGTON, NM 87401	,	10. Pool name or Wildcat BLANCO MESA VERDE
4. Well Location Unit Letter A	705 feet from the NORT	TH line and 7	55feet from theEASTline
Section 34		ange 4W	NMPM County RIO ARRIBA
	11. Elevation (Show whether DR		
Pit or Below-grade Tank Application X	7,233' GL	o usud	
	water_>100'Distance from nearest fresh v	vater wellDis	tance from nearest surface water >500'
Pit Liner Thickness: 12 mi			onstruction Material
12. Check	Appropriate Box to Indicate N	lature of Notice,	Report or Other Data
NOTICE OF I	NTENTION TO:	l sub	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WOR	IK ALTERING CASING
TEMPORARILY ABANDON [PULL OR ALTER CASING [COMMENCE DR	
FULL OR ACIER CASING [] MOLTIFLE COMPL []	CASING/CEMEN	
OTHER: DRILLING PIT	inlated energians. (Clearly state all	OTHER:	d give pertinent dates, including estimated date
			ttach wellbore diagram of proposed completion
or recompletion.	•	-	
I hereby certify that the informatic grade tank has been/will be constructed	n above is true and complete to the lace of the lace o	best of my knowled [2], a general permit [ge and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan.
SIGNATURE SUBL	TITLE_	CONSULTAN	
Type or print name BRIAN V	OOD E-mail a	address: brian@po	crmitswest.com Telephone No. 466-8120
APPROVED BY:	TITLE	deputy on & Gas	INSPECTOR, DIST. & DATE JUN 2 1 2000
Conditions of Approval (if any)	y y y		

XTO ENERGY INC.
CARSON FEDERAL I No. 1C
SECTION 34, T28N, R4W, N.M.P.M., RIO ARRIBA COUNTY, N. M.
GROUND ELEVATION: 7233', DATE: AUGUST 3, 2004

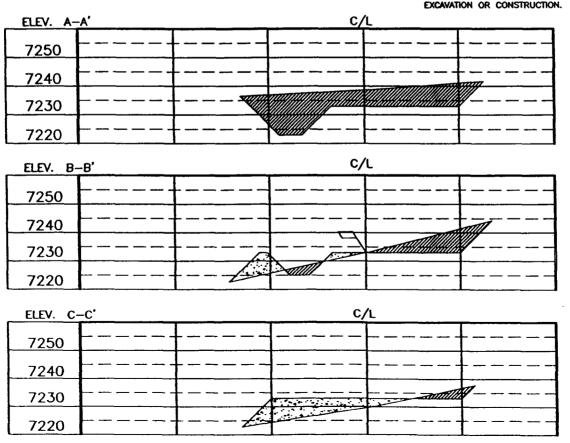
LAT. = 36°37'16" N. LONG. = 107°13'56" W NAD 27



RESERVE PIT DIKE: TO BE 8' above deep side (overflow - 3' wide and 1' above shallow side). Blow PIT: Overflow PIPE halfway between top and bottom and to extend over plastic liner and into blow PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

Daggett Enterprises, Inc. Surveying and Oil Field Services P. 0. Box 15088 , Familydon, Nu 87401 Phone (505) 326-1772 , Fox (505) 326-8019 NEW MEXICO LS. No. 14831



NOTE: CONTRACTOR SHOULD CALL ONE--CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	GL Depth	KB Depth	Elevation
San Jose	000'	12'	+7,233'
Ojo Alamo Sandstone	3,333'	3,335'	+3,900'
Fruitland Coal	3,833'	3,845'	+3,400'
Pictured Cliffs Ss	4,033'	4,045'	+3,200'
Lewis Shale	4,433'	4,445'	+2,800'
Cliff House Sandstone	5,933'	5,945'	+1,300'
Menefee Shale	6,033'	6,045'	+1,200'
Mesa Verde Sandstone	6,233'	6,245'	+1,000'
Mancos Shale	6,633'	6,645'	+600'
Total Depth	6,900'	6,912'	+333'

2. NOTABLE ZONES

Gas or Oil Zones	<u>Water Zones</u>	<u>Coal Zones</u>
Fruitland	San Jose	Fruitland
Pictured Cliffs	Ojo Alamo	Menefee
Mesa Verde	Fruitland	

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to



2005 AUG 15 PM 1 39

RECEIVED
070 FARMINGTON NM

be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) An 8-5/8" x 11" 2,000 pound double ram BOP system with a choke manifold and mud cross will be tested to 200 psi and then to 1,000 psi. Upper and lower Kelly cocks with valve handle and subs to fit all drill string connections which are in use will be available on the rig floor.

Tests will be run when:

- 1) installed
- 2) anytime a pressure seal is broken (test only affected equipment)
- 3) at least every 30 days
- 4) blind & pipe rams will be activated each trip, but no more than daily

BOP systems will be consistent with API RP 53. Blowout preventers will be installed and tested before drilling surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated daily to ensure good mechanical working order and this inspection recorded on the daily drilling report. Preventers and casing will be pressure tested before drilling casing cement plugs. Maximum expected bottom hole pressure is $\approx 2,800$ psi. BOP and mud system will control pressure.

4. CASING & CEMENT

Hole Size	O. D.	Weight (lb/ft)	<u>Grade</u>	<u>Age</u>	Connections	Setting Depth
12-1/4"	9-5/8"	36	J-55	New	ST&C	320'
8-3/4"	7"	20	J-55	New	ST&C	4,000'
6-1/4"	4-1/2"	10.5	J-55	New	ST&C	6,900'

Surface casing will be cemented to surface with ≈ 256 cubic feet (≈ 200 sacks) Type III + 1/4 pound per sack cello-flake + 2% CaCl₂. Yield = 1.28 cubic feet per sack. Weight = 15.2 pounds per gallon. Excess: >100%.



Conventional centralizers will be set on the bottom two joints of the surface casing and every fourth joint to surface.

Intermediate casing will be cemented to the surface with >70% excess. Lead with ≈ 315 sacks ((≈ 819 cubic feet) Type III + 8% gel + 1% CaCl₂ + 1/4 pound per sack cello flake mixed at 11.9 pounds per gallon and 2.60 cubic feet per sack. Tail will be ≈ 150 sacks (≈ 211 cubic feet) Type III + 1% CaCl₂. + 1/4 pound per sack cello flake mixed at 14.5 pounds per gallon and 1.41 cubic feet per sack. Casing will be set at least 50' into the Kirtland shale.

Production casing hole will be cemented to $\approx 3,300$ ' (i. e., ≈ 700 ' overlap) with $\approx 100\%$ excess. Lead with ≈ 150 sacks (≈ 455 cubic feet) Type III + 8% gel + 0.5% FL-52 + 0.2% CD-32 + 2% Pheno seal mixed at 11.4 pounds per gallon and 3.03 cubic feet per sack. Tail with ≈ 150 sacks Premium Light HS + 2% KCl + 0.2% CD-32 + 0.5% FL-52 + 1/2 pound per sack cello flake + 2% Pheno seal mixed at 12.5 pounds per gallon and 2.01 cubic feet per sack.

Conventional centralizers will be set on the bottom two joints, every second joint to $\approx 6,000$ ' and every fourth joint from $\approx 2,000$ ' to surface.

5. MUD PROGRAM

<u>RANGE</u>	MUD TYPE	WEIGHT	VISCOSITY	WATER LOSS	<u>ADDITIVES</u>
0' - 320'	Fresh-Spud	8.5-8.8	30	NC	Gel, lime
320' - 4,000'	Fresh Water	8.5-8.8	28	NC	Gel, lime sweeps
4,000' - TD	Fresh Water	8.5-8.8	35	10 cc	Gel, soda ash, LCM

6. CORES, TESTS, & LOGS

No cores or drill stem tests are planned. Induction logs will be run from TD to $\approx 3,000$ '. Neutron density - GR logs will be run from TD to base of surface casing.



7. DOWN HOLE CONDITIONS

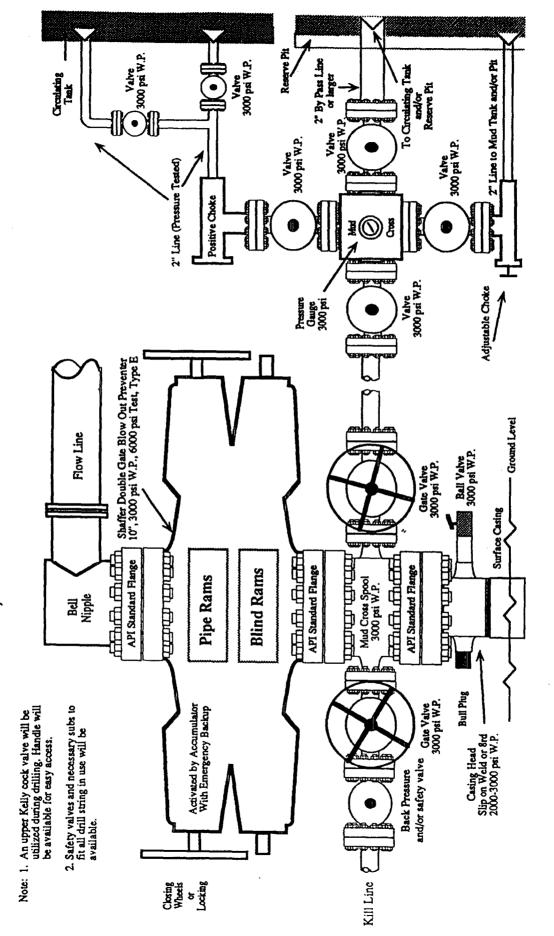
No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum bottom hole pressure will be $\approx 2,760$ psi.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take about four weeks to drill and complete the well.



2,000 PSI BOP SYSTEM



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.