Y						
Form 3160-3 (April 2004)	UNITED STATES DEPARTMENT OF THE INTER BUREAU OF LAND MANAGEN	2,30,30		OMB N	APPROVED O. 1004-0137 March 31, 2007	
	APPLICATION FOR PERMIT TO DRILI	OR REENTER V.	5.	Lease Serial No.		
T C 137 . 1			71 6	SF-078138 If Indian, Allotee or	Trihe Name	
la. Type of Work	DRILL REENT		<u> </u>	N/A	Trioc Ivanic	
lb. Type of Well	Oil Well Gas Well Other	Single Zone Multiple Zon	7	. Unit or CA Agreeme	nt Name and No.	
2. Name of Operator	r	. 69	8.	Lease Name and We	II/Noo A	
XTO Energy In	c	3b. Phone No Cimplude area co	de)	FEDERAL B #3	<u> </u>	
2700 Farmingt	con Ave., Bldg. K. Ste 1 Farmington (Report location clearly and in accordance with any St	1, NM 505-324-1090		API Well No. 30 - 645 -	32859	
At surface 94	2320	•	10	Field and Pool, or Ex Basin DAKOTA	cploratory,	
Misurace 1	65 FNL x 1920 FEL in Sec 28, T30N	, RIIW	11		3lk. and Survey or Ar	
t proposed prod.	zone same		P	? ?Sec 28, T30N,	R1.1W	
14. Distance in miles a	nd direction from nearest town or post office*		12	.County or Parish	13. State	
	Approx 5.03 air miles North of Bloo	omfield, NM Post Office	S	an Juan	NM	
15. Distance from pro location to neares	s t	16. No. of Acres in lease	17. Spaci	7. Spacing Unit dedicated to this well		
(Also to nearest of	line, ft. 1165' Irg. unit line, if any)	2063.26		E/2 320.08		
18. Distance from pro to nearest well, d	rilling, completed,	19. Proposed Depth	20.BLM	20. BLM/BIA Bond No. on file		
applied for, on th	249'	7150'				
21. Elevations (Show	whether DF, KDB, RT, GL, etc.	22. Approximate date work will sta	rt*	23. Estimated duration		
⁷ 6010 ' Gro	und Elevation	summer 2005		2 weeks		
		24. Attachments				
The following, compl	eted in accordance with the requirements of Onshore O	oil and Gas Order No. 1, shall be attached	d to this fo	orm:		
 A Drilling Plan A Surface Use Plan 	d by a registered surveyor. lan (if the location is on National Forest System Lands, led with the appropriate Forest Service Office).	4. Bond to cover the operative 120 above). the 5. Operator certification. 6. Such other site specific in				
		authorized officer.				
25. Signuature	$\sqrt{2}$	Name (Printed/Typed)		Date		
Kyl	a Vallahan	Kyla Vaughan			01/24/05	
Title						
	Compliance Tech	Nome (Print d/Ton of)		l Date		
Approved by (Signan	Marlie Co	Name (Printed/Typed)			29-05	
Title	AFIL	Office				
Application approval conduct operations the	does not warrant or certify that the applicant holds kenereon.	egal or equitable title to those rights in	the subject	ct lease which would	entitle the applicant	
Conditions of approv	al, if any, are attached.					

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly 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)

HOLD C1C4 FOR NSI

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".

DESTRICT I 1825 N. French Dr., Hobbs, N.M. 88240

DESTRICT II 1301 W. Grand Ave., Artesta, N.M. 88210

DESTRICT III 1000 Rio Brasco Rd., Astec, N.M. 87410

DISTRICT IV 1220 South St. Prancis Dr., Santa Pe, HM 87505

State of New Morico Department
OIL CONSERVATION DIVISION
1220 South St. Francis Pr.
Santa Fe. Na. 67505

Form C-102 Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

(C)

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30045-3	2859 71599	Ba	PICIZINI Pool Hame	
Property Code		Property Name		' Vell Humber
34839	Might be an explose that it is a first to	FEDERAL B		3 (200
OGRED No.		*Operator Name		* Elevation
167067		XTO ENERGY INC.	A. C.	5937

10 Surface Location

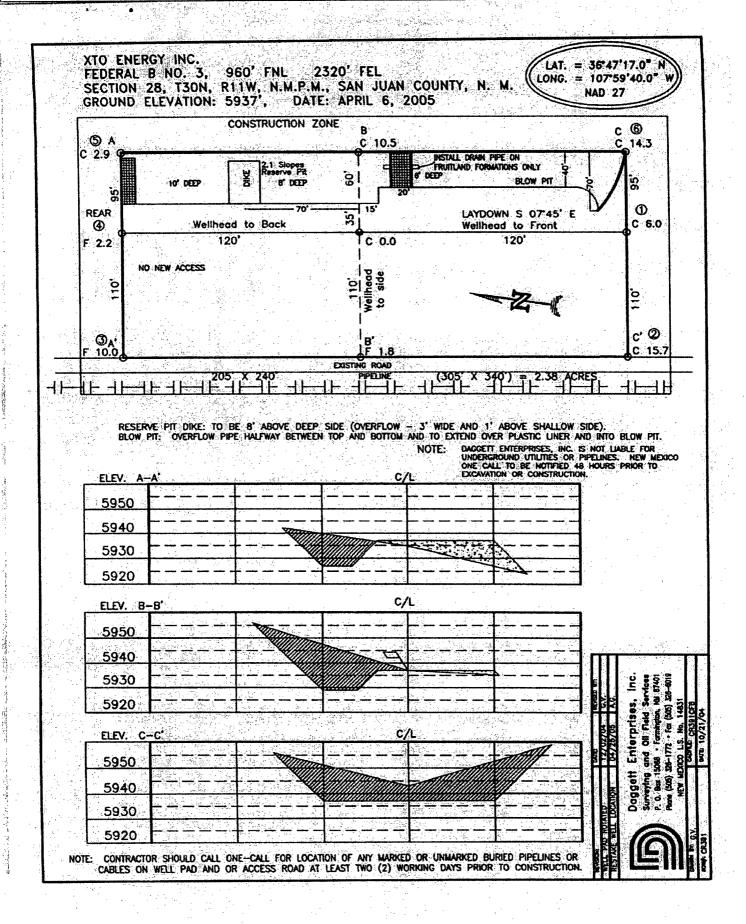
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Vest line	County
В	28	30-N	11-W	2	960	NORTH	2320	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

			Docu	JIII HOIC	LOCUCION I	Difference 11	om ourrace		
UL or lot no.	Section	Township	Range	Let Idn	Feet from the	North/South line	Feet from the	Rost/West line	County
				,					·
Dedicated Acres	/ 22	L.,,	12 Joint or	bfill	H Consolidation (ode	¹⁵ Order No.		
1000	100	\cap	ŀ						
32 0	1	Э							

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

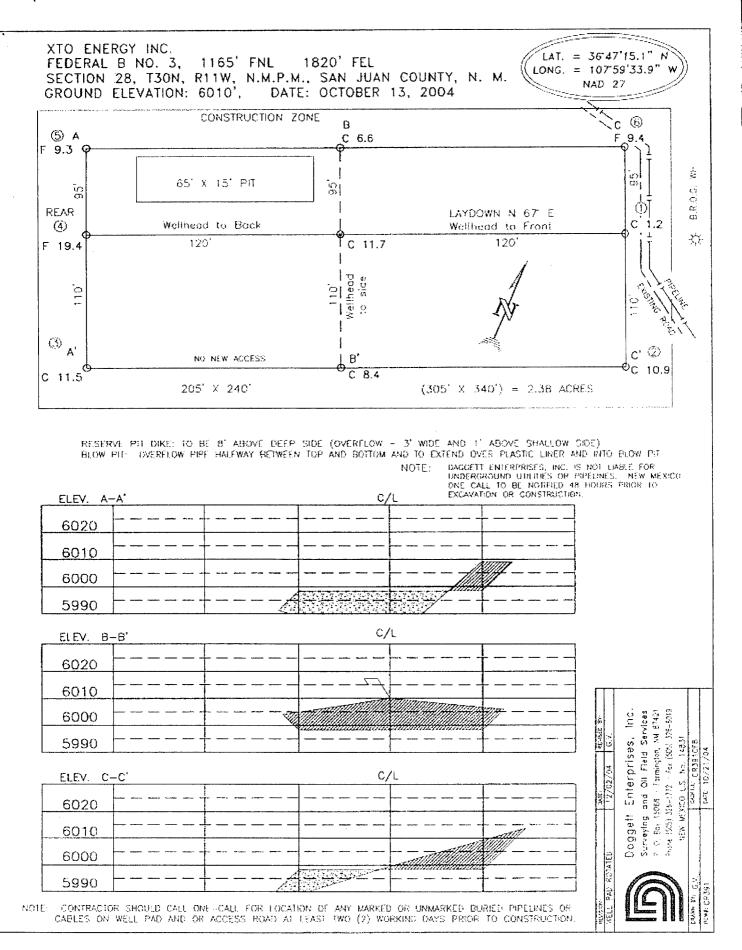
		DAKD OHII DAS DI		
LAT: 36 LONG: 107	QTR. CORNER FD 3 1/4" BC 1969 BLM LOT 3 5'47'17.0" N (NAD "59'40.0" W (NAD	6 LOT 2	6' (W)	17 OPERATOR CERTIFICATION I hereby certify that the information contained hereby is true and complete to the best of my knowledge and belief. Helly H. Small
		SEC. CORNED FD 3 1/4* Bt 1969 BL	العقوا	Hally KSMall Printed Name Drilling Assistant
LOT 4	LOT 5.	LOT 6	S 00-22 2676.8	51605
LOT 11	LOT 10	10/9	OTR. CORNED FD 3 1/4" BC 1969 BLM	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this ple 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.
LOT 12	LOT 13	LOT 14	LOT 15	APRIL SA BOVING
				Certificate and ESSIGNA



Submit 3 Copies To Appropriate District Office	State of New Me				Form C-10:	
District I 1625 N. French Dr., Hobbs, NM 87240	Energy, Minerals and Natur	ai Resources	WELL AP	I NO.	May 27, 200	†
District II	OIL CONSERVATION	DIVISION			-	_
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Fra		5. Indicate	Type of I	_	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87	7505	6. State O			-
1220 S. St. Francis Dr., Santa Fe, NM 87505			o. State C		Lease No.	
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC		R PLUG BACK TO A	7. Lease N		nit Agreement Name:	
PROPOSALS.) 1. Type of Well:			8. Well N	umber		-
Oil Well Gas Well X	Other			#3		
2. Name of Operator			9. OGRID			
3. Address of Operator			10. Pool i	1670		\dashv
	. K. Ste 1 Farmington, NM	1 87401	BASIN DA		ngcat	
4. Well Location		<u>-</u>				
Unit Letter B :	1165 feet from the NOR	III line and	1820	feet from	the EAST line	e
Section 28		Range 11W	NMPM	NMPM	County SAN JUAN	
	11. Elevation (Show whether I	DR, RKB, RT, GR, et L 0' GL	c.)			
Pit or Below-grade Tank Application X	"			The Property Spire Co.	with a second the second transfer of the second transfer of	
Pit typeDRILL_ Depth to Groundwater	>100 Distance from nearest fresh	water well 1 MILE Dis	tance from ne	arest surfac	e water 1 MILE	
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume_	bbls; Constructi	on Material _			
12. Check A NOTICE OF INT PERFORM REMEDIAL WORK TEMPORARILY ABANDON	Appropriate Box to Indicate ENTION TO: PLUG AND ABANDON CHANGE PLANS	·	SEQUEN	IT REP	Data ORT OF: ALTERING CASING [PLUG AND	<u></u>
PULL OR ALTER CASING	MULTIPLE	CASING TEST AND			ABANDONMENT	_
07.150	COMPLETION	CEMENT JOB			r	,
OTHER: RESERVE PIT	X	OTHER:			L	_
 Describe proposed or completed of starting any proposed work). or recompletion. 	d operations. (Clearly state all per SEE RULE 1103. For Multiple					
	See Attac	hment				
	oco / illac					
					· · · · · · · · · · · · · · · · · · ·	_
I hereby certify that the information a grade tank has been/will be constructed or						
SIGNATURE Kula Vai	lb - ~	LE Regulatory C				
Type or print name Kyla Vaughan			la_Vaughai	æxtoene:		<u> </u>
For State Use Only	2.	BEFUTY ON A CAT.	All to be about to	-	JUL - 1 200	
APPROVED BY	V/1/	REPUTY OIL & GAS I	MARELION,	DIST. 🕵		
Conditions of Approval, if any:	111	ILC		D	ATE	_
<i>l</i>						

FEDERAL B #3

XTO Energy Inc. proposes to install a lined, earthen reserve pit on location for drilling. The pit will be removed from location in accordance with New Mexico Oil Conservation division guidelines when work is completed.



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

5. Lease Serial No.

NOTICES AN		

6. If Indian, Allottee or Tribe Name not use this form for proposals to drill or to

SUBMIT IN TRIPLICATE	Other instruction	ns en reverse skip	S S S S S S S S S S S S S S S S S S S	7. If Unit or CA	/Agreement, Name and/or N
I. Type of Well Oil Well X Gas Well Other 2. Name of Operator XTO Energy Inc. 3a. Address 2700 Farmington Ave., Bldg, K. Ste	1 Farmington	30 Priong No. (include a 505-504-1090)	(O)		" #3
Location of Well (Footage, Sec., T., R., M., or Survey 1,165' FNL X 1,820' FEL in Sec. B28, 960' FNL X 2,320' FEL in Sec. B28, 12. CHECK APPROPRIATE	3, T30N, R11W (Ne	w Location)	NOTICE, RE	BASIN DAKO	Parish, State
TYPE OF SUBMISSION		TY	PE OF ACTIO	N	
Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Product Reclama		Water Shut-Off Well Integrity Other
Final Abandonment Notice	Convert to Injection	Plug and Abandon Plug Back	Tempor Water D	arily Abandon Disposal	-

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. filed the APD for the above mentioned well on 01/24/05. The APD is currently in the process of being approved. The original location of the wellsite was in an area of ecological disturbance. The wellsite has now been moved and the plats have been revised to show the new location.

A copy of the new plats are attached for your review. Please attach the revised plats to the ARD,

Original Location: 1,165' FNL x 1,820' FEL in Sec. B28, T30N, R11W

New Location: 960' FNL x 2,320' FEL in Sec. B28, T30N, R11W

FARMINGTON ω

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title Drilling Assistant Date 05/06/05 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by

Conditions of approval, if a 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.

XTO ENERGY INC.

Federal "B" #3 APD Data January 24, 2005

Location: 1,165' FNL x 1,820' FEL Sec 28, T30N, R11W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 7,150'

APPROX GR ELEV: 6,010'

OBJECTIVE: <u>Basin Dakota</u> Est KB ELEV: 6,022' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 4,000'	4,000' to TD
HOLE SIZE	12-1/4"	7-7/8"	7-7/8"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
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. 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:

8-5/8" casing to be set at \pm 360' in a 12-1/4" hole filled with 8.8 ppg mud

					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'-360'	360'	24.0#	J-55	STC	1370	2950	244	8.097	7.972	7.32	7.95	29.39

Production Casing: 5-1/2" casing to be set at TD ($\pm 7,150$ ') in 7-7/8" hole filled with 9.0 ppg mud.

					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'-TD	7,150'	15.5#	J-55	STC	4040	4810	222	4.950	4.825	1.22	1.45	2.02

202

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, 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 360' in 12-1/4" hole.

210 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 297 ft³, 100% excess of calculated annular volume to 360'.

B. <u>Production:</u> 5-1/2", 15.5#, J-55 (or K-55), STC casing to be set at $\pm 7,150$ ' in 7-7/8" hole. DV Tool set @ $\pm 4,000$ '

1st Stage

LEAD:

225 sx of Premium Lite HS (Type III/Poz/Gel) with 2% salt, 1/4 pps cello, 0.2% dispersant, 0.5% fluid loss & 2% LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III with 5% bonding additive, 1/4 pps cello, 2% LCM, 0.3% dispersant & 0.2% fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

410 sx of Type III with 8% gel, 1/4 pps cello & 2% LCM mixed at 11.9 ppg, 2.54 ft³/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 1,863 ft³.

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 5,000' 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 (7,200') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7,200') to 5,000'.

6. FORMATION TOPS:

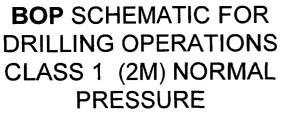
Est. KB Elevation: 6,022'

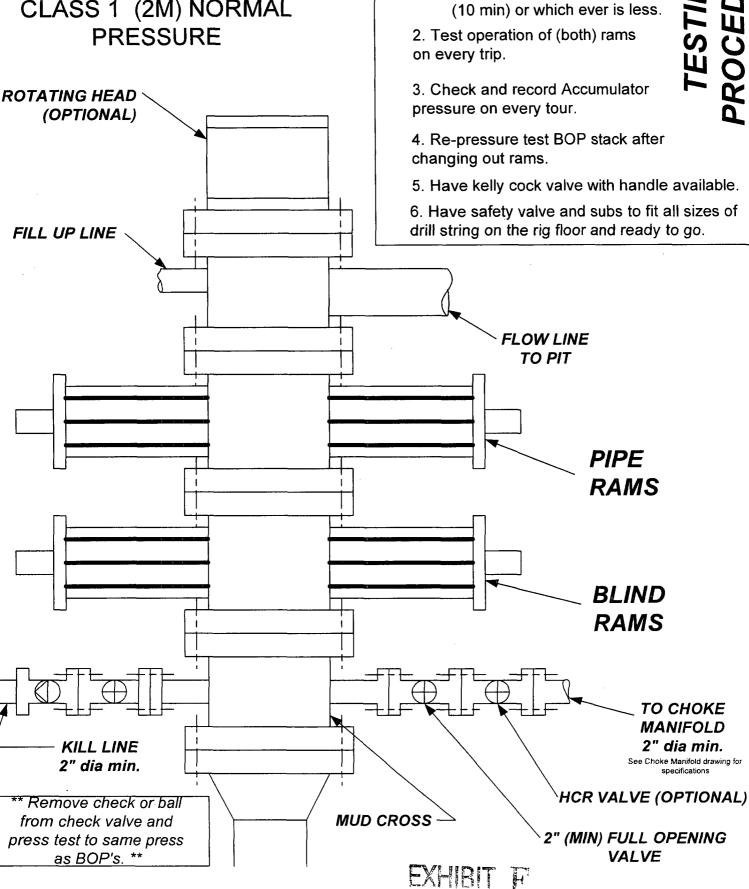
Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+5109'	913'
Kirtland Shale	+4960'	1062'
Farmington SS	+4860'	1162'
Fruitland Formation	+3970'	2052'
Lower Fruitland Coal	+3870'	2152'
Pictured Cliffs SS	+3670'	2352'
Lewis Shale	+3458'	2564'
Chacra	+2624'	3398'
Cliffhouse SS	+1980'	4042'
Menefee	+1890'	4132'
Point Lookout SS	+1346'	4676'
Mancos Shale	+1000'	5022'
Gallup SS	+95'	5927'
Greenhorn Limestone	-650'	6672'
Graneros Shale	-700'	6722'
1 st Dakota SS	-755'	6777'
2 nd Dakota SS	n/a	n/a
3 rd Dakota SS	-800'	6822'
4 th Dakota SS	n/a	n/a
5 th Dakota SS	-850'	6872'
6 th Dakota SS	-920'	6942'
Burro Canyon SS	-980'	7002'
Morrison Shale	-1010'	7032'
Project TD	-1110'	7150'

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
Dennis Elrod	Drilling foreman	505-486-6460	505-326-2024
Red Meek	Project Geologist	817-885-2800	817-427-2475
Barry Voigt	Reservoir Engineer	817-885-2462	817-540-2092

JWP 1/24/05





1. Test BOP after installation:

Pressure test BOP to 200-300 psig (low pressure) for 5 min.

Test BOP to Working Press or

to 70% internal yield of surf csg

CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

- 1. Stake all lines from choke manifold to pit.
- 2. Pressure test choke monifold after installation.
- 3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

TESTING PROCEDURE

