

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-077952
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator XTO Energy Inc.		7. Unit or CA Agreement Name and No. N/A
3a. Address 2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM		8. Lease Name and Well No. JC Gordon D #2F
3b. Phone No. (include area code) 505-324-1090		9. API Well No. 30-045-33444
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 2330' FNL x 1575' FNL in Sec 22, T27N, R10W At proposed prod. zone SAME		10. Field and Pool, or Exploratory Basin Dakota/Angel Peak Gallup
14. Distance in miles and direction from nearest town or post office* Approx 11.8 miles Southeast of Bloomfield, NM post office		11. Sec., T., R., M., or Blk. and Survey or Area (F) Sec 22, T27N, R10W
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 1575'	16. No. of Acres in lease 1753.36	12. County or Parish San Juan
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 947'	17. Spacing Unit dedicated to this well DK 320 W/2 - GP 80 E/2 NW/4	13. State NM
19. Proposed Depth 6850'	20. BLM/BIA Bond No. on file UTB-000138	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6130' Ground Elevation	22. Approximate date work will start* winter 2005	23. Estimated duration 2 weeks

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Kyla Vaughan</i>	Name (Printed/Typed) Kyla Vaughan	Date 11/21/05
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Title Regulatory Compliance Tech		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) AFM	Date 1/12/06
Title FEO		

Application approval 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.
Conditions of approval, 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 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.

*(Instructions on page 2)

NMOC

APD/ROW



This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.3

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

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

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

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

DISTRICT IV
1220 South 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

2005 NOV 22 PM 3 56

RECEIVED
FARMINGTON, NM

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-33444		² Pool Code 71599		³ Pool Name Basin Dakota	
⁴ Property Code 22614		⁵ Property Name J. C. GORDON D			⁶ Well Number 2F
⁷ GRID No. 1107067		⁸ Operator Name XTO ENERGY INC.			⁹ Elevation 6130'

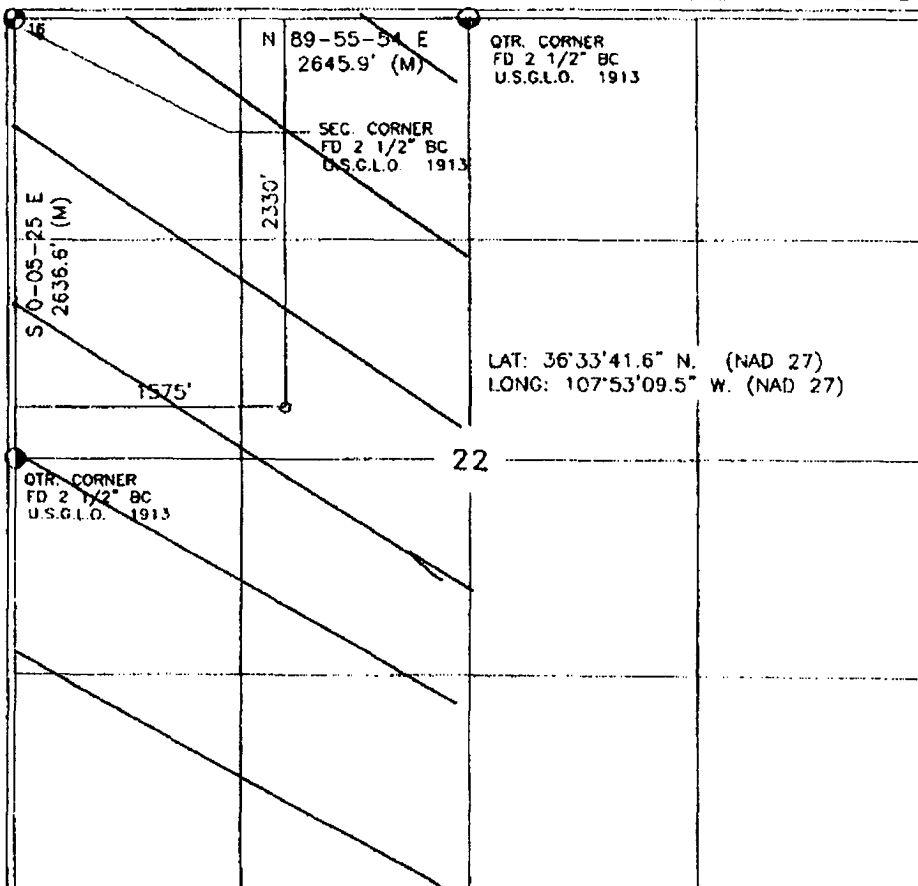
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	27-N	10-W		2330	NORTH	1575	WEST	SAN JUAN

¹¹ Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres w/2 320			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



17 OPERATOR CERTIFICATION

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

John A. Small
Signature

John A. Small
Printed Name

Regulatory Compliance Tech
Title

9/29/05
Date

18 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

JUNE 20, 2005
Date of Survey

John A. Vukovich
Signature



2005 NOV 22 PM 3 56

RECEIVED

Form C-102

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

State of New Mexico
Energy, Minerals & Natural Resources Department

070 FARMINGTON NM

Revised June 10, 2003

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

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

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

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

State Lease - 4 Copies

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 30-045-33444		² Pool Code 02170		³ Pool Name Angel Peak Gallup	
⁴ Property Code 22614		⁵ Property Name J. C. GORDON D			
⁶ OCRD No. 1167067		⁷ Operator Name XTO ENERGY INC.			
				⁸ Well Number 2F	
				⁹ Elevation 6130'	

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
F	22	27-N	10-W		2330	NORTH	1575	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 2 1/2 NW 1/4 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<p>QTR. CORNER FD 2 1/2" BC U.S.G.L.O. 1913</p> <p>S 0-05-25 E 2636.6' (M)</p> <p>2330'</p> <p>1575'</p> <p>QTR. CORNER FD 2 1/2" BC U.S.G.L.O. 1913</p>	<p>N 89--55--54 E 2645.9' (M)</p> <p>SEC. CORNER FD 2 1/2" BC U.S.G.L.O. 1913</p>	<p>QTR. CORNER FD 2 1/2" BC U.S.G.L.O. 1913</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Debra L. Small</i> Signature <i>Debra L. Small</i> Printed Name REGULATORY COMPLIANCE TECH Title 9/29/09 Date</p>
	<p>LAT: 36°33'41.6" N. (NAD 27) LONG: 107°53'09.5" W. (NAD 27)</p>		

Submit 3 Copies To Appropriate District Office

District I

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District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO. 30-045-33444

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SF-077952

7. Lease Name or Unit Agreement Name:

JC Gordon D

8. Well Number

#2F

9. OGRID Number

167067

10. Pool name or Wildcat

Basin Dakota/Angel Peak Gallup

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

XTO Energy Inc.

3. Address of Operator

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

4. Well Location

Unit Letter F : 2330 feet from the North line and 1575 feet from the West line

Section 22 Township 27N Range 10W NMPM NMEM County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6130' Ground Elevation

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DRILL Depth to Groundwater >100 Distance from nearest fresh water well >1000 Distance from nearest surface water >1000

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 8000 bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: PIT ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy intends to install a pit on location for drilling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Kyla Vaughan TITLE Regulatory Compliance Tech DATE 11/21/05

Type or print name Kyla Vaughan

E-mail address: kyla_vaughan@xtoenergy.com

Telephone No. 505-564-6726

For State Use Only

DEPUTY OIL & GAS INSPECTOR, DIST. #0

JAN 17 2006

APPROVED BY [Signature] TITLE _____ DATE _____

Conditions of Approval, if any:

EXHIBIT D

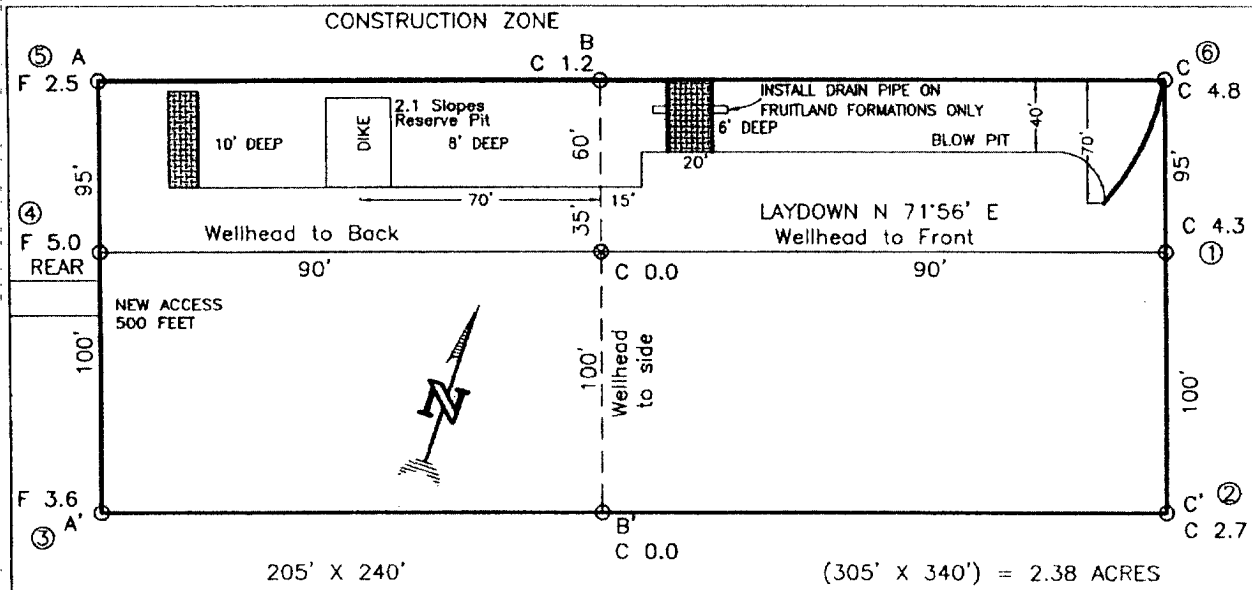
XTO ENERGY INC.

J. C. GORDON D No. 2F, 2330' FNL 1575 FWL

SECTION 22, T27N, R10W, N.M.P.M., SAN JUAN COUNTY, N. M.

GROUND ELEVATION: 6130', DATE: JUNE 20, 2005

LAT. = 36°33'41.6" N.
LONG. = 107°53'09.5" 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.

ELEV. A-A'	C/L
6140	
6130	
6120	
6110	

ELEV. B-B'	C/L
6140	
6130	
6120	
6110	

ELEV. C-C'	C/L
6140	
6130	
6120	
6110	

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.

DATE:	REVISION:	<p>Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15088 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO P.L.S. No. 14831 COPULE: CR4230FB DATE: 06/27/05</p>
DATE:	REVISION:	
DATE:	REVISION:	
DATE:	REVISION:	

EXHIBIT EXHIBIT E

XTO ENERGY INC.

JC Gordon D #2F

APD Data

November 21, 2005

Location: 2330' FNL x 1575' FWL Sec 22, T27N, R10W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 6850'

OBJECTIVE: Basin Dakota / Angel Peak Gallup

APPROX GR ELEV: 6130'

Est KB ELEV: 6142' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 6850
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 $\pm 360'$ 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 ($\pm 6850'$) 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'-6850	6850'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.23	1.47	1.90

3. WELLHEAD:

- 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.
- 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.

EXHIBIT F

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 $\pm 360'$ 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 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 297 ft³, 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 $\pm 6850'$ in 7.875" hole.

LEAD:

± 712 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.

Total estimated slurry volume for the 5-1/2" production casing is 1661 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 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 (6850') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6850') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 6142'

FORMATION	Sub-Sea Elev.	WELL DEPTH	FORMATION	Sub-Sea Elev.	WELL DEPTH
Ojo Alamo SS	5208	934	Gallup Ss**	687	5,455
Kirtland Shale	5064	1,078	Greenhorn Ls	-138	6,280
Farmington SS			Graneros Sh	-194	6,336
Fruitland Formation	4716	1,426	1 ST Dakota Ss*	-223	6,365
Lower Fruitland Coal			2 ND Dakota Ss*	-257	6,399
Pictured Cliffs SS	4210	1,932	3 RD Dakota Ss*	-313	6,455
Lewis Shale	4049	2,093	4 TH Dakota Ss*	-376	6,518
Chacra SS	3319	2,823	5 TH Dakota Ss*	-407	6,549
Cliffhouse SS	2676	3,466	6 TH Dakota Ss*	-442	6,584
Menefee	2560	3,582	Burro Canyon Ss*	-480	6,622
Point Lookout SS	1841	4,301	Morrison Fm	-508	6,650
Mancos Shale	1536	4,606	Total Depth	-708	6,850

* Primary Objective

** Secondary Objective

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

7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
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

11/21/05

EXHIBIT F

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

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

TESTING PROCEDURE

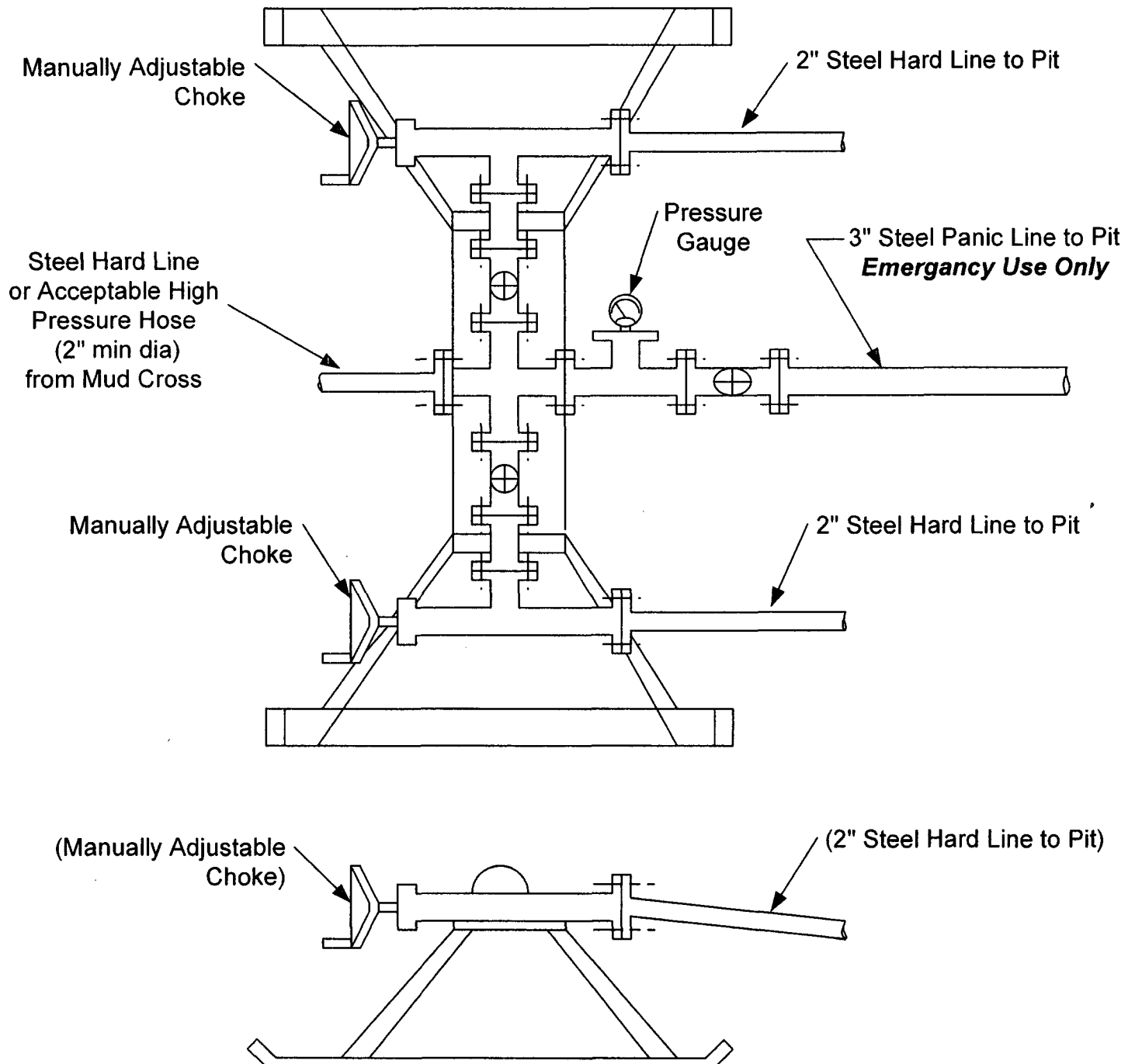


EXHIBIT F