

RCVD MAY 5 '08

OIL CONS. DIV.
DIST. 3

RECEIVED

NOV 01 2007

Form 3160-3
(February 2005)UNITED STATES Bureau of Land Management
DEPARTMENT OF THE INTERIORBloomington Field Office
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMSF 0078715
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. If Unit or CA Agreement, Name and No. N/A
3a. Address 382 CR 3100 AZTEC, NM 87410	3b. Phone No. (include area code) 505-333-3100	8. Lease Name and Well No. Hubbell Gas Com B #1F
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1780' FSL x 725' FEL At proposed prod. zone same		9. API Well No. 30-045-34490
14. Distance in miles and direction from nearest town or post office* Approximately 6.5 miles Southwest of Bloomfield, NM post office.		10. Field and Pool, or Exploratory Basin Dakota/WC Basin Mancos
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 725'	16. No. of acres in lease 564.75	11. Sec., T. R. M. or Blk. and Survey or Area (1) Sec 30, T28N, R10W
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 325'	19. Proposed Depth 6750'	12. County or Parish San Juan
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5962' Ground Elevation	22. Approximate date work will start* 12/05/2007	13. State NM
17. Spacing Unit dedicated to this well 324.75 S/2 DK 320, SW/4 MC 160		
20. BLM/BIA Bond No. on file UTB-000138		
23. Estimated duration 2 weeks		
24. Attachments		

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

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

25. Signature <i>Kyla Vaughan</i>	Name (Printed/Typed) Kyla Vaughan	Date 10/30/2007
Title Regulatory Compliance		

Approved by (Signature) <i>D. Manley</i>	Name (Printed/Typed) FFO	Date 5/1/08
Title ATM		

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)

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".

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

NMOC

MAY 05 2008

AV

APD/ROW

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Ave., Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 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

RECEIVED Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies

Fee Leases - 3 Copies
Bureau of Land Management
Farmington Field Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34490	² Pool Code 97232	³ Pool Name WC BASIN MANCOS
⁴ Property Code 22745	⁵ Property Name HUBBELL GAS COM B	⁶ Well Number 1F
⁷ OCRID No 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5962

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
1	30	28-N	10-W		1780	SOUTH	725	EAST	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 SE/4 160					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

16	LOT 1 42.31			FD. 2 1/2" BC. 1913 G.L.O.	17
	LOT 2 42.34				
	LOT 3 42.36				
	LOT 4 42.39				

LAT: 36.63094° N. (NAD 83)
LONG: 107.93041° W. (NAD 83)
LAT: 36°37'51.4" N. (NAD 27)
LONG: 107°55'47.2" W. (NAD 27)

30

725'

1780'

N 89°55'06" W
2641.25' (M)

FD. 2 1/2" BC.
1913 G.L.O.

FD. 2 1/2" BC.
1913 G.L.O.

18

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or proposed mineral interest in the land including the proposed bottom hole location or has a right to drill the well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kyla Vaughan 5/25/07
Signature Date
Kyla Vaughan
Printed Name

19 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.

NOV 29 2006
Date of Survey
Surveyor
NEW MEXICO
1889
BUREAU OF LAND SURVEY
Certificate Number

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

1220 South St Francis Dr.
Santo Fe, NM 87505

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34490		² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 22745	⁵ Property Name HUBBELL GAS COM B		⁶ Well Number 1F
⁷ OGRID No 5380	⁸ Operator Name XTO ENERGY INC		⁹ Elevation 5962

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
1	30	28-N	10-W		1780	SOUTH	725	EAST	SAN JUAN

"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
¹⁷ Dedicated Acres S/2 324.75			¹⁸ Joint or infill		¹⁹ Consolidation Code		²⁰ 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

16 LOT 1 42.31	LOT 2 42.34	LOT 3 42.36	LOT 4 42.39
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FD. 2 1/2" BC
1913 G.L.O

30

LAT: 38°30'94" N. (NAD 83)
LONG: 107°53'41" W. (NAD 83)

LAT 36°37'51.4" N. (NAD 27)
LONG: 107°55'47.2" W. (NAD 27)

N 00-00-21 E
5279.31' (M)

725'

1780'

N 89-55-06 W
2641.25' (M)

FD. 2 1/2" BC
1913 G.L.O

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Kyla Vaughan

Signature

5/2

Date

Kyla Vaughan

Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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.

NOVEMBER 20, 2006

Date of Survey

RUSH

NEW MEXICO

REGISTERED PROFESSIONAL LAND SURVEYOR

8894

4

Certificate Number

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. <u>30-845-34490</u>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <u>HUBBELL GAS COM B</u>
8. Well Number <u>#1F</u>
9. OGRID Number <u>5380</u>
10. Pool name or Wildcat <u>BASIN DAKOTA/WC BASIN MANCOS</u>

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator <u>XTO Energy Inc.</u>
3. Address of Operator <u>382 CR 3100 Aztec, NM 87410</u>
4. Well Location Unit Letter <u>I</u> : <u>1780</u> feet from the <u>SOUTH</u> line and <u>725</u> feet from the <u>EAST</u> line Section <u>30</u> Township <u>28N</u> Range <u>10W</u> NMPM <u>NMPM</u> County <u>SAN JUAN</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>5962' GROUND ELEVATION</u>
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>
Pit type <u>Drill</u> Depth to Groundwater <u>> 100</u> Distance from nearest fresh water well <u><1000</u> Distance from nearest surface water <u><1000</u>
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>8000</u> 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 plans to install a lined 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 DATE 10/30/07

Type or print name Kyla Vaughan

E-mail address: kyla_vaughan@xtoenergy.com

Telephone No. 505-333-3100

For State Use Only

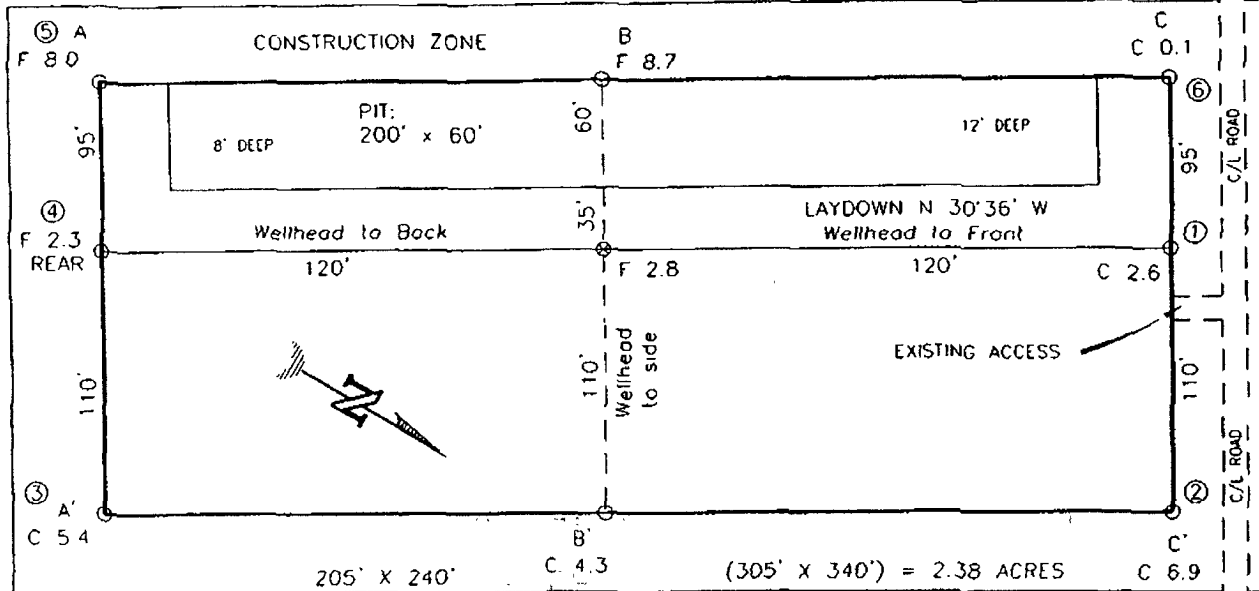
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAY 05 2008

Conditions of Approval, if any:

EXHIBIT D

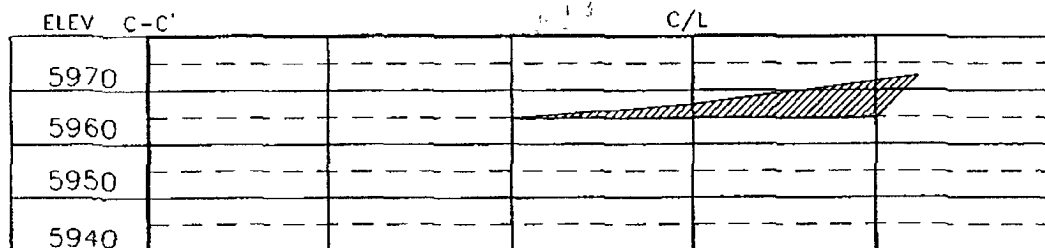
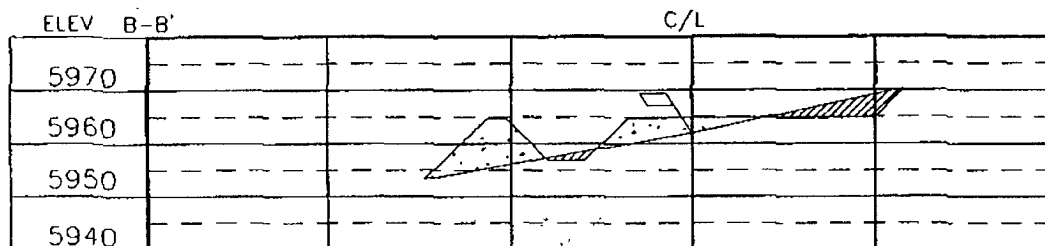
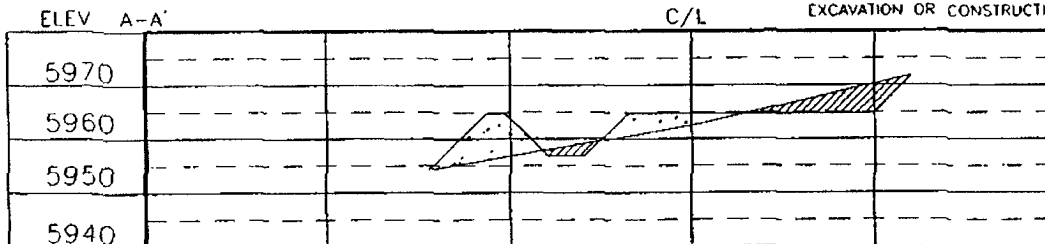
XTO ENERGY INC.
 HUBBELL GAS COM B No. 1F, 1780 FSL 725 FEL
 SECTION 30, T28N, R10W, N.M.P.M., SAN JUAN COUNTY, N.M.
 GROUND ELEVATION: 5962' DATE: NOVEMBER 20, 2006

NAD 83
 LAT. = 36.63094° N
 LONG. = 107.93041° W
 NAD 27
 LAT. = 36°37'51.4" N
 LONG. = 107°55'47.2" W



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



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	REVIEWED BY	<p>Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. No. 8894</p>
DATE	REVIEWED BY	
DATE	REVIEWED BY	
DATE	REVIEWED BY	

EXHIBIT E

XTO ENERGY INC.

Hubble Gas Com B #1F

APD Data

October 30, 2007

Location: 1780' FSL x 725' FEL Sec 30, T28N, R10W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 6750'
APPROX GR ELEV: 5962'

OBJECTIVE: Basin Dakota / Basin Mancos
Est KB ELEV: 5974' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 6750'
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 12.25" 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 6750') in 7.875" 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'-6750'	6750'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.25	1.49	1.93

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 $\pm 6750'$ in 7.875" hole. DV Tool set @ $\pm 4100'$

1st Stage

LEAD:

± 205 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

± 341 sx of Type III or equivalent cement with 8% gel & 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 1647 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: None.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6750') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6750') to 400'.

EXHIBIT F

6. **FORMATION TOPS:**

Est. KB Elevation: 5974'

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Ojo Alamo SS	5067	907	Gallup	504	5470
Kirtland Shale	4955	1,019	Greenhorn	-277	6251
Farmington SS			Graneros	-333	6307
Fruitland Formation	4515	1,459	Dakota 1*	-368	6342
Lower Fruitland Coal	4059	1915	Dakota 2*	-393	6367
Pictured Cliffs SS	4034	1940	Dakota 3*	-453	6427
Lewis Shale	3850	2124	Dakota 4*	-523	6497
Chacra SS	3112	2862	Dakota 5*	-568	6542
Cliffhouse SS*	2482	3492	Dakota 6*	-598	6572
Menefee**	2385	3589	Burro Canyon	-621	6595
Point Lookout SS*	1723	4251	Morrison*	-658	6632
Mancos Shale	1367	4607	TD	-776	6750

* *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
Justin Niederhofer	Drilling Engineer	505-566-7946	505-320-0158
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
John Klutsch	Project Geologist	817-885-2800	--

JWE
10/30/07

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

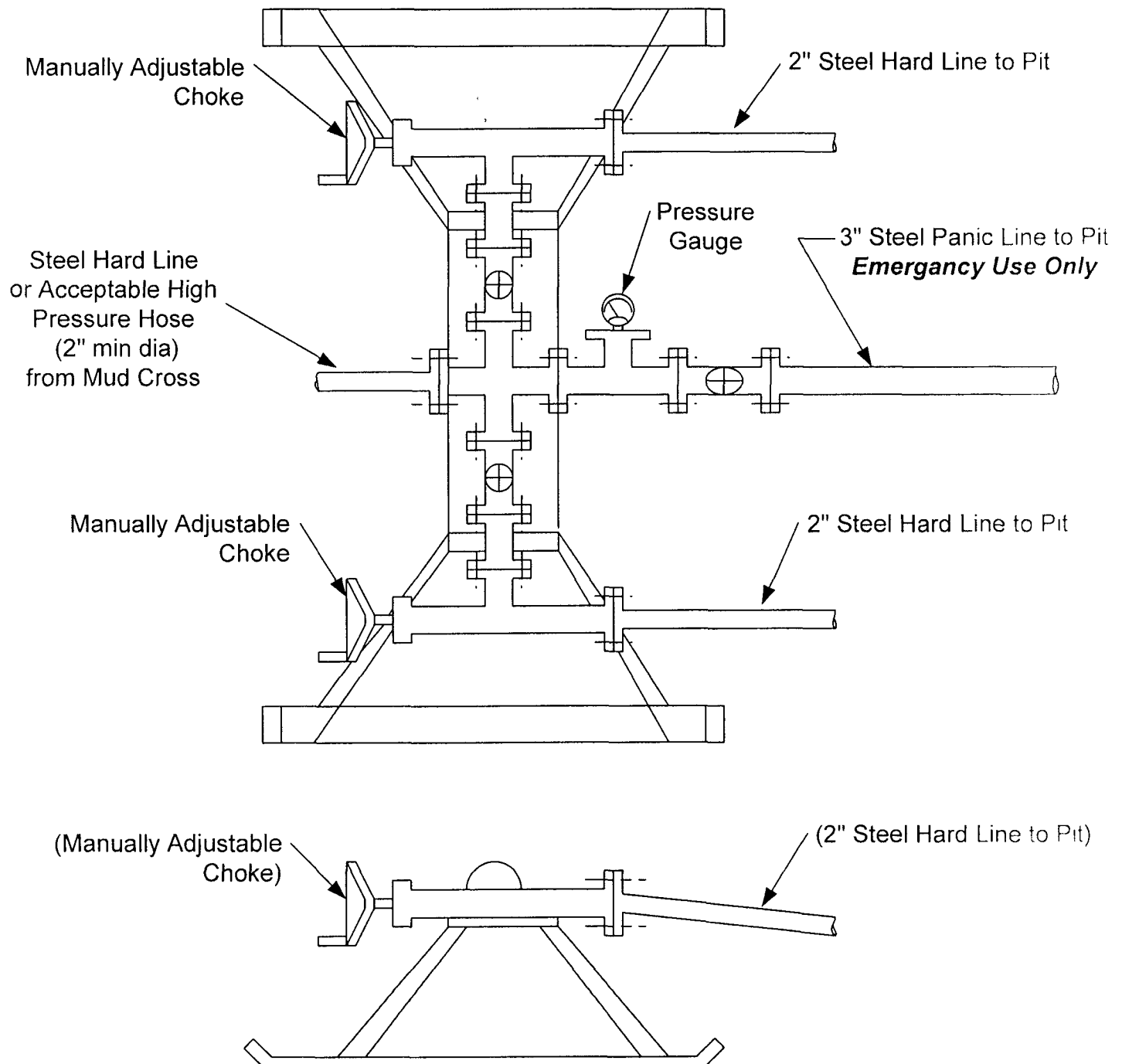


EXHIBIT F

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

TESTING PROCEDURE

1. Test BOP after installation:

Pressure test BOP to 200-300
psig (low pressure) for 10 min.

Test BOP to Working Press or
to 70% internal yield of surf csg
(10 min) or which ever is less.

2. Test operation of (both) rams
on every trip.

3. Check and record Accumulator
pressure on every tour.

4. Re-pressure test BOP stack after
changing out rams.

5. Have kelly cock valve with handle available.

6. Have safety valve and subs to fit all sizes of
drill string on the rig floor and ready to go.

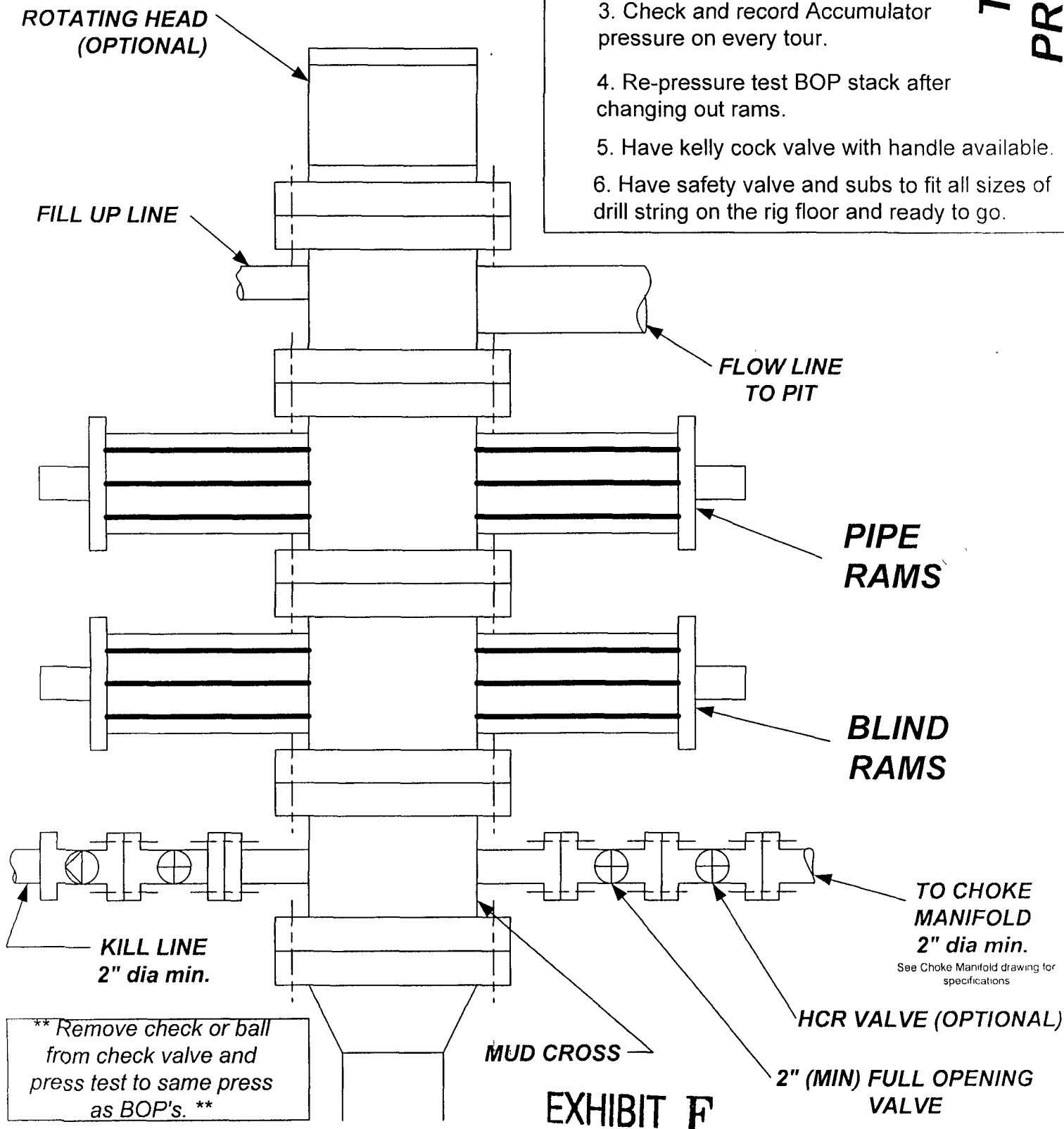


EXHIBIT F