Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: SF - 078311

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: 72817

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME, WELL NO.: Stanolind Gas Com "D #1C

2. NAME OF OPERATOR: XTO Energy Inc.

9. API WELL NO.: 30-045-31124

3. ADDRESS AND TELEPHONE NO.: 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

10. FIELD AND POOL, OR WILDCAT: Blanco Mesaverde

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FSL & 1750' FWL Sec 17, T32N, R12W SE SW
At proposed prod. zone: same

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: N Sec 17, T32N, R12W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: See enclosed surface use program

12. COUNTY OR PARISH: San Juan

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
660'	302.63	302.63 S/2
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
350'	4,500'	0'-4,500' w/Rotary Tools

21. ELEVATIONS (Show whether DF,RT, GR, etc.): 5,974' Ground Level

22. APPROX. DATE WORK WILL START*: Summer 2002

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8", J-55	24#	220'	150 sx type III cmt
7-7/8"	4-1/2", J-55	10.5#	4,500'	550 sx cmt in one stage

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".

The above mentioned well will be drilled as described in the enclosed surface use plan.

The El Paso pipeline plat is also included for ROW.

APD/ROW

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposalis to deepen, give dataon presentproductivezone and proposednew productivezone. If proposalis to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED JW Patton TITLE Drilling Engineer DATE 5/30/02

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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:

APPROVED BY /s/ David J. Mankiewicz TITLE _____ DATE SEP 13

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makesit a crime for any personknowinglyand willfullyto make to any departmenbr agency of the UnitedStates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Departm

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-31124	72319	BLANCO MESAVERDE

4 Property Code	5 Property Name	6 Well Number
22817	STANOLIND GAS COM "D"	1C

7 OGRID No.	8 Operator Name	9 Elevation
167067	XTO ENERGY INC.	5974'

10 Surface Location

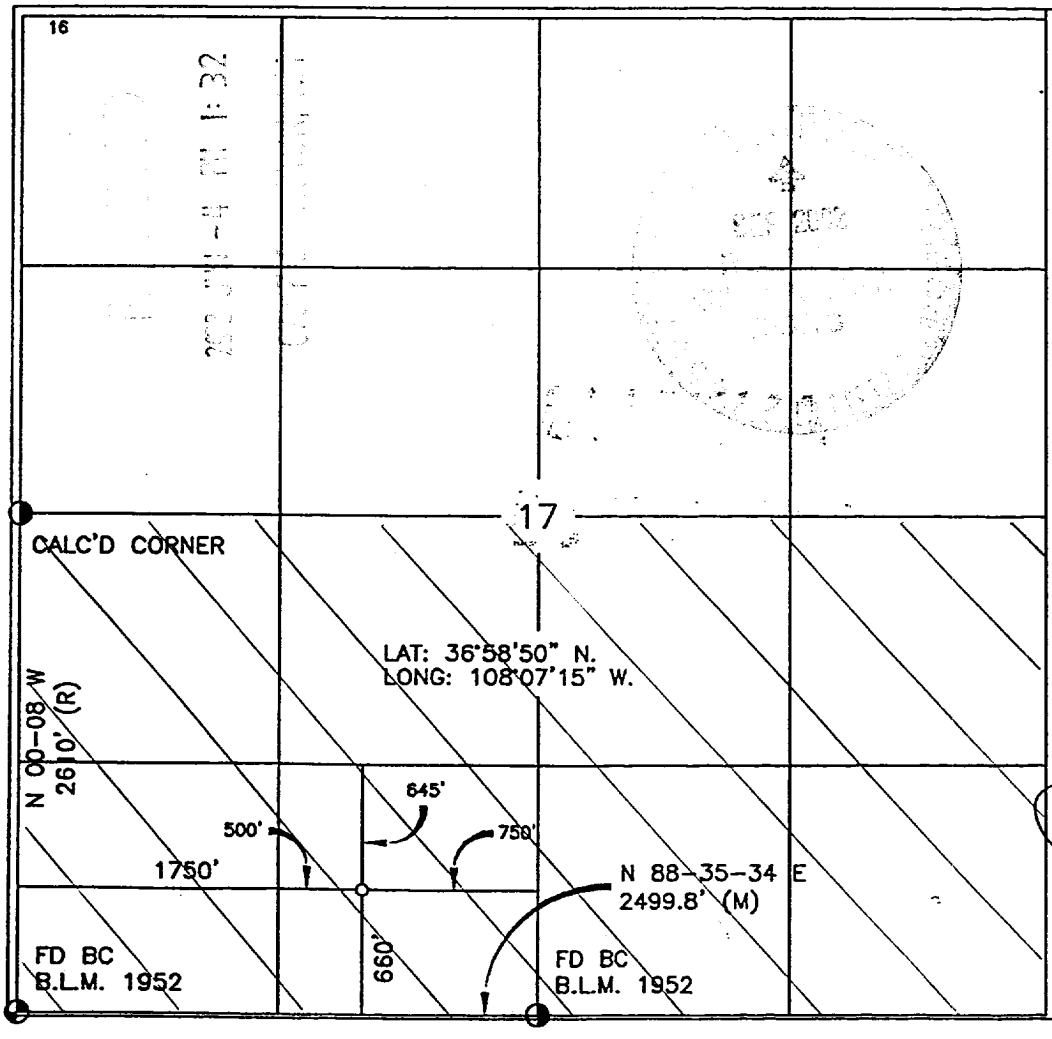
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	32-N	12-W		660'	SOUTH	1750'	WEST	SAN JUAN

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
302.63 S/2	I		

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

Signature

JEFFREY W PATTON
Printed Name

DRILLING ENGINEER
Title

5-29-02
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.

1-23-02
Date of Survey

Signature and Seal of Professional Surveyor

RUPERT RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

8894
Certificate Number

XTO ENERGY INC.

Stanolind Gas Com "D" #1C
Drilling Prognosis
May 30, 2002

Location: 660' FSL & 1,750' FWL, Sec 17, T32N, R12W **County:** San Juan **State:** New Mexico

PROJECTED TOTAL DEPTH: ±4,500' OBJECTIVE: Mesaverde
GR ELEV: 5,974' Est KB ELEV: 5,986' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 220'	220' to TD
HOLE SIZE	12-1/4"	7-7/8"
MUD TYPE	FW/Spud Mud	FW/Polymer
WEIGHT	8.6-9.0	8.4-8.8
VISCOSITY	28-32	28-32
WATER LOSS	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation during intermediate part of hole.

2. CASING PROGRAM:

Surface Casing: 8-5/8" casing to be set at ± 220' in 8.6 ppg spud mud

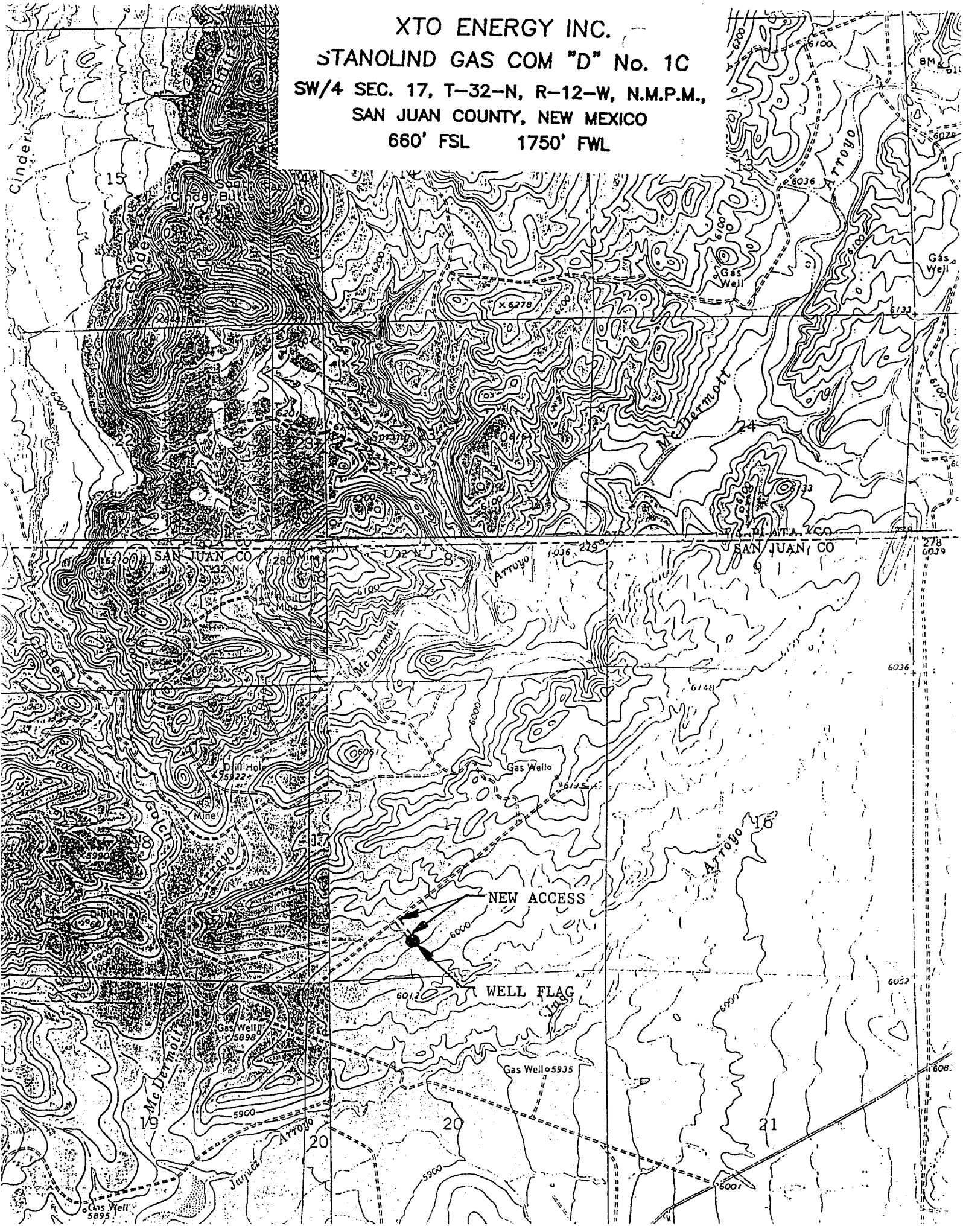
Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-220'	220'	24.0#	J-55	STC	1,370	2,950	244	9.001	8.845	11.57	18.76	49.14

Production Casing: 4-1/2" casing to be set at 4,500' in LSND Gel based 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'-4,500'	4,500'	10.5#	J-55	STC	4,010	4,790	132	4.052	3.875	1.66	1.33	2.44

3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 8-5/8" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 10-3/4" 8rnd thread on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 6.437" nominal, 3,000 psig WP (6,000 psig test), 4-1/2" weld-on, slip-on bottom and a flanged fitting on top.


XTO ENERGY INC.
STANOLIND GAS COM "D" No. 1C
SW/4 SEC. 17, T-32-N, R-12-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
660' FSL 1750' FWL
NEW ACCESS
WELL FLAG
Cinder Butte
Arroyo
McDermott
SAN JUAN CO
RIO ARRIBA CO
PIATA CO
Gas Well
Drill Hole
Mine
Gas Well 5898
Gas Well 5935
Gas Well 5895

4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both the surface and production casing strings)

A. Surface: 8-5/8", 24.0#, J-55, STC casing to be set at ± 220'.

Lead: 150 sx of Type III cement containing 2% $CaCl_2$, ¼ pps celloflake, mixed at 14.6 ppg, 1.39 ft^3/sk, & 6.30 gal wtr/sk.

Total slurry volume is 208 ft^3, ±125% excess of calculated annular volume to 220'.

B. Production Casing: 4-1/2", 10.5#, J-55, STC casing to be set at 4,500'.

Lead: 400 sx of Type III w/3% extender, 1/4 #/sx cello & 2 % Phenoseal mixed at 11.4 ppg, 2.89 ft^3/sk, 17.3 gal wtr/sx.

Tail: 150 sx of Premium Lite HS w/2% KCl, 0.5% fluid loss, 0.2% dispersant, 1/4 #/sx cello & 2% Phenoseal mixed at 12.5 ppg, 2.01 ft^3/sk, 10.4 gal wtr/sx..

Total estimated slurry volume for the 4-1/2" production casing is 1,456 ft^3 using 40% excess.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%.

5. LOGGING PROGRAM:

A. Mud Logger: A 2 man mud logging unit will come on the hole from 1,400' to TD.

B. Open Hole Logs as follows: Run Induction/MSFL/GR/SP from TD (4,500') to the bottom of the surface casing and run the Density/CSN/Cal and Pe fr/TD to 1,200'.

6. FORMATION TOPS:

Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+5388'	601'
Kirtland Shale	+5205'	784'
Fruitland Formation	+4793'	1196'
Lower Fruitland Coal	+4364'	1625'
Pictured Cliffs SS	+4324'	1665'
Lewis Shale	+4215'	1774'
Cliffhouse SS*	+2749'	3240'
Menefee*	+2419'	3570'
Point Lookout SS*	+1959'	4030'
Mancos Shale	+1674'	4315'
Projected TD	+1489'	4500'

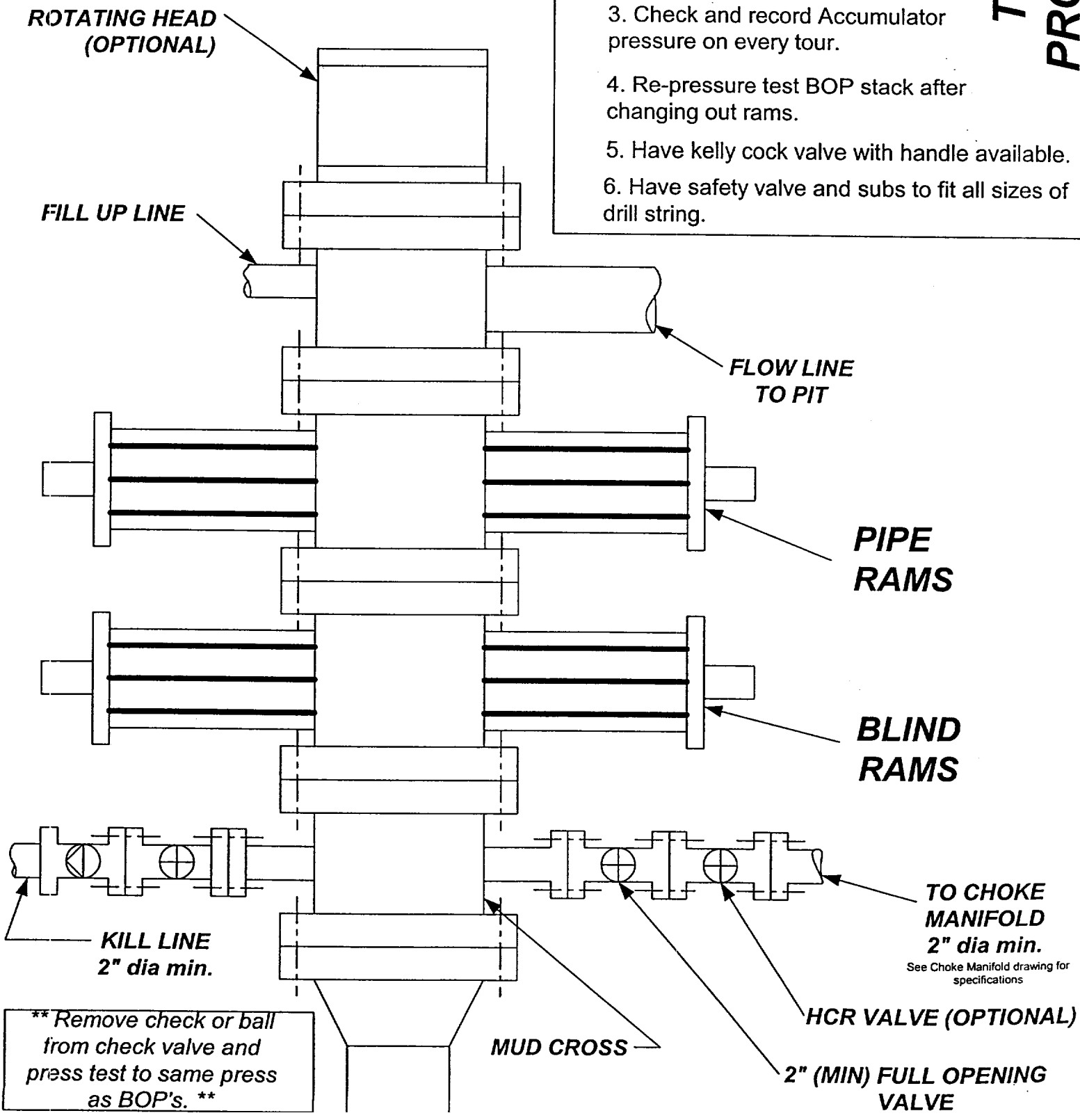
* Target Reservoir. Maximum anticipated reservoir pressure will be ±1,550 psig.

7. COMPANY PERSONNEL:

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 5 min.
   Test BOP to Working Press or to 70% internal yield of surf csg (10 min).
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.



** Remove check or ball from check valve and press test to same press as BOP's. **