

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

XTO Energy Inc.

3. ADDRESS AND TELEPHONE NO.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2200' FSL & 700' FEL Sec 19, T29N, R09W

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx 5 miles southeast of the Blanco NM Post Office (South of river)

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 700'

16. NO. OF ACRES IN LEASE

409.24

17. NO. OF ACRES ASSIGNED
TO THIS WELL

409.24 DK / 409.24 MV

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

800'

19. PROPOSED DEPTH

6,950'

20. ROTARY OR CABLE TOOLS

0'-6,950' w/Rotary Tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,652' Ground level

22. APPROX. DATE WORK WILL START*

In 30 days

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", H-40	32.3#	265'	140 sx Class "B"
8-3/4"	7", J-55	20.0#	2,250'	200 sx Lightweight cement
6-1/4"	4-1/2", J-55	10.5#	6,950'	390 sx Type III & Premium Lite

XTO Energy Inc. plans to drill the above mentioned well as described in the enclosed Surface Use Program.

Note: An El Paso Field Services Well tie plat is attached in order to obtain ROW with the proposed well location.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

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

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is 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

TITLE

Drilling Engineer

DATE 2/5/03

(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

TITLE

DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, 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.

NMOCD

Form C-102
Revised August 15, 2000

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

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

DISTRICT IV
2040 South Pocheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-31385		2 Pool Code 71599		3 Pool Name BASIN DAKOTA	
4 Property Code 22816		5 Property Name SNYDER GAS COM B			6 Well Number 1F
7 OGRID No. 167067		8 Operator Name XTO ENERGY INC.			9 Elevation 5652'

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	19	29-N	9-W		2200	SOUTH	700	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 409.24			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-2046 TRACT "F"		

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>18</p>	<p>R-2046 N/2 & S/2 OF S/2</p> <p>LOT 5</p> <p>LAT: 36°42'35" N. (NAD '83) LONG: 107°48'47" W.</p> <p>LOT 7</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1950</p> <p>19</p> <p>762'</p> <p>445'</p> <p>700'</p> <p>LOT 8</p> <p>878'</p> <p>2200'</p> <p>SEC. CORNER FD 3 1/4" BC BLM 1950</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1951</p> <p>N 89-01-59 W 2923.90'</p> <p>LOT 10</p> <p>N 0-18-13 W 2645.0'</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>JW Patton</i> Signature</p> <p>JEFFREY W PATTON Printed Name</p> <p>DRILLING EXECUTIVE Title</p> <p>2-5-03 Date</p>
<p>RECEIVED</p> <p>00:2 MJ 9 FEB 2003</p> <p>WV NOTAMING NM</p>	<p>18</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1950</p> <p>SEC. CORNER FD 3 1/4" BC BLM 1950</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1951</p> <p>N 89-01-59 W 2923.90'</p> <p>LOT 10</p> <p>N 0-18-13 W 2645.0'</p> <p>2200'</p> <p>878'</p> <p>700'</p> <p>445'</p> <p>762'</p> <p>LOT 8</p> <p>LOT 7</p> <p>LOT 5</p> <p>R-2046 N/2 & S/2 OF S/2</p> <p>LAT: 36°42'35" N. (NAD '83) LONG: 107°48'47" W.</p>	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DAVID A. JOHNSON NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 14827</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>14827</p> <p>Certificate Number</p>

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

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

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OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

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¹ API Number 30-045-31385	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 22816	⁵ Property Name SNYDER GAS COM B	⁶ Well Number 1F
⁷ GRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5652'

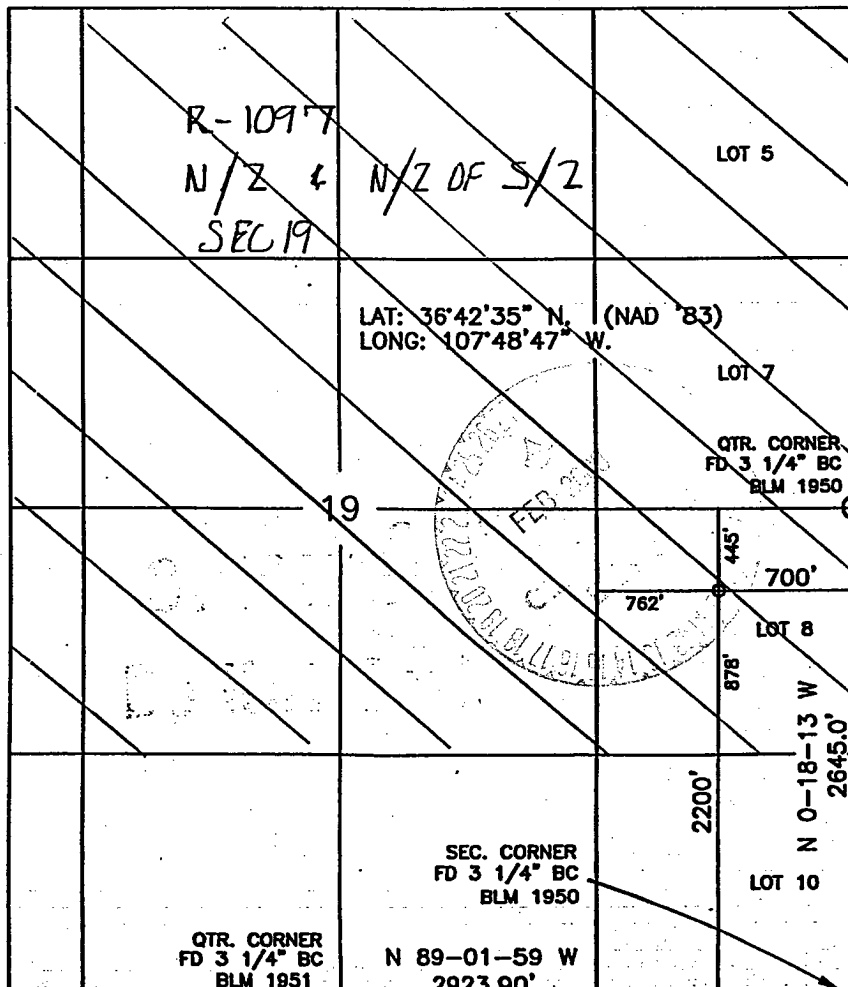
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¹¹ Bottom Hole Location If Different From Surface

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¹² Dedicated Acres 409.24			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-1097		

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		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Jeffrey W. Patton</u> Printed Name: <u>JEFFREY W. PATTON</u> Title: <u>DRILLING ENGINEER</u> Date: <u>2-5-03</u>
		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. Date of Survey: <u>2-5-03</u> Signature and Seal of Professional Surveyor: <u>DAVID A. JOHNSON</u> 14827 Certificate Number: <u>14827</u>

RECEIVED
2003 FEB -6 PM 2
NO. 070 FARMING CN.

XTO ENERGY INC.

Snyder Gas Com "B" #1F

APD Data

February 5, 2003

Surface Location: 2,200' FSL & 700' FEL, Sec 19, T29N, R09W County: San Juan State: New Mexico

TOTAL DEPTH: ±6,950'

GR ELEV: 5,652'

OBJECTIVE: Dakota/Mesaverde

Est KB ELEV: 5,665' (13' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 265'	265' to 2,250'	2,250' to TD
HOLE SIZE	12-1/4"	8-3/4"	6-1/4"
MUD TYPE	FW/Native Mud	FW/Polymer	Air/Foam
WEIGHT	8.6-8.8	8.6-9.0	
VISCOSITY	28-32	29-34	
WATER LOSS	NC	NC	

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. RU air compressors after setting the intermediate csg. Drill with air or foam to TD.

2. CASING PROGRAM:

Surface Casing: 9-5/8" casing to be set at ± 265' in 8.6 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'-265'	265'	36.0#	J-55	STC	2020	3520	394	8.921	8.765	22.20	29	41.30

32.3 #

Intermediate Casing: 7" casing to be set at ±2,250' in 9.0 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'-2,250'	2,250'	20.0#	J-55	STC	2270	3740	234	6.456	6.331	2.16	3.55	3.71

Production Casing: 4-1/2" casing to be set at 6,950' in air.

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'-6,950'	6,950'	10.5#	J-55	STC	4010	4790	132	4.052	3.927	1.33	1.20	1.90

EXHIBIT E

3. WELLHEAD:

- A. Bradenhead: 9-5/8" x 7" 2,000 psig WP (4,000 psig test).
Casinghead: 7" x 4-1/2" 3,000 psig WP (6,000 psig test).

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

- A. Surface: 9-5/8", 32.3#, H-40, STC casing to be set at $\pm 265'$.

Lead: 140 sx of Class "B" (Standard) cement containing 2% CaCl_2 , 1/4 pps celloflake, mixed at 15.6 ppg, 1.18 ft^3/sk , & 9.20 gal wtr/sk.

Total slurry volume is 166 ft^3 , 100% excess of calculated annular volume to 265'.

- B. Intermediate: 7", 20.0#, J-55, STC casing to be set at $\pm 2,250'$.

Lead: 150 sx of Type III cement containing $\pm 8\%$ gel, 1/4 pps celloflake and 2% CaCl_2 mixed at 11.4 ppg, 3.03 ft^3/sk , 18.51 gal wtr/sx.

Tail: 50 sx of Type III cement containing 1/4 pps celloflake and 2% CaCl_2 mixed at 14.5 ppg, 1.39 ft^3/sk , 6.80 gal wtr/sx.

Total slurry volume is 524 ft^3 , circulated to surface. This value is 50% (excess) over gage hole volume.

- C: Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 6,950'$.

We plan to cement the production casing in one stage. Prior to cementing, we will unload the hole with nitrogen. The top of cement is design to overlap into the 7" x 4-1/2" annulus between 200-500'.

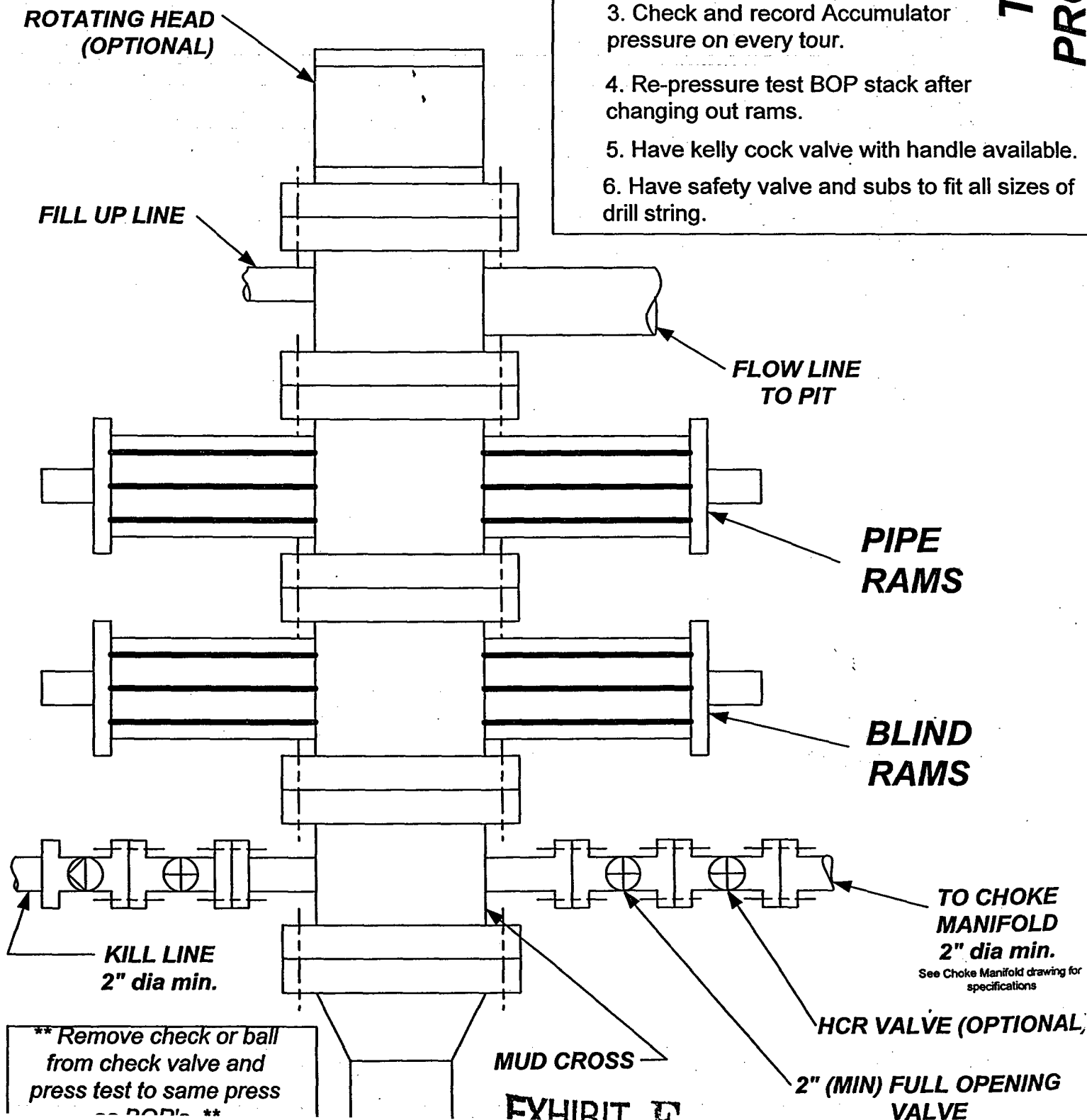
Lead: 290 sx of Class "H" Premium Lite High Strength (65/35/6), 1/4 pps celloflake, 2% KCl, 0.5% fluidloss, 0.2% dispersant & 2% Phenoseal mixed at 12.5 ppg, 2.01 ft^3/sk , 10.55 gal wtr/sx.

Tail: 100 sx of Type III cement, 5% BA-10, 1/4 pps celloflake, 0.4% fluidloss, 0.3% dispersant & 2% Phenoseal mixed at 14.2 ppg, 1.54 ft^3/sk , 7.50 gal wtr/sx.

Total estimated slurry volume for the 4-1/2" production casing is 737 ft^3 for $\pm 5,200'$ of fill. Est. TOC should be @ $\pm 1,750'$. 40% (excess) over gage hole volume has been added to the number of sacks indicated..

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

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



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.

**TESTING
PROCEDURE**