

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT 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

XT0 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

1750' FNL & 2015' FWL Sec 11, T30N, R12W

At proposed prod. zone

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

Approx 3 miles northeast of the Flora Vista Post Office

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 663'

16. NO. OF ACRES IN LEASE

2522.59

17. NO. OF ACRES ASSIGNED

TO THIS WELL

W/ 318.82 DK 316.7 MV W/ 2

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

800'

19. PROPOSED DEPTH

7,050'

20. ROTARY OR CABLE TOOLS

0'-7,050' w/Rotary Tools

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

5,911' Ground level

22. APPROX. DATE WORK WILL START*

Summer 2003

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 or Type III
8-3/4"	7", J-55	20.0#	2,400'	350 sx Liteweight cement
6-1/4"	4-1/2", J-55	10.5#	7,050'	425 sx Premium Lite HS

XT0 Energy Inc. plans to drill the above mentioned well as described in the enclosed Surface Use Program.

The El Paso Field Services pipeline ROW plat is also enclosed with this APD.

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

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

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

JW Patton

TITLE Drilling Engineer

DATE 4/10/03

(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.

DISTRICT I
1825 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

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

DISTRICT IV
2040 South Pacheco, 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 30-045-31623	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 22672	⁵ Property Name CHRISMAN GAS COM	⁶ Well Number 3
⁷ GRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5911'

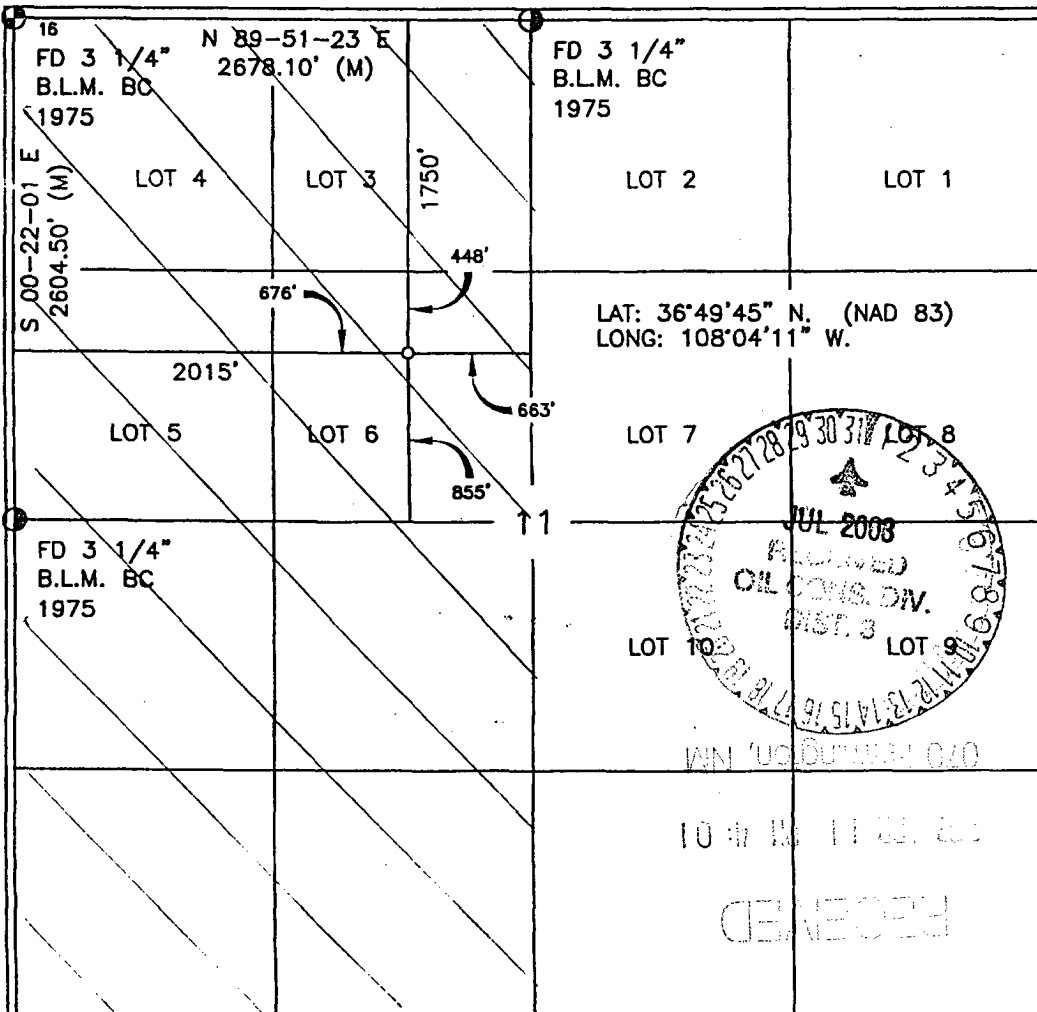
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	30-N	12-W		1750'	NORTH	2015'	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 318.52	W/2		¹³ Joint or Infill I		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

Signature

JEFFREY L PATTON

Printed Name

DRILLING ENGINEER

Title

4-10-03

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.

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number

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

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811 South First, Artesia, N.M. 88210

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State Lease - 4 Copies
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2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

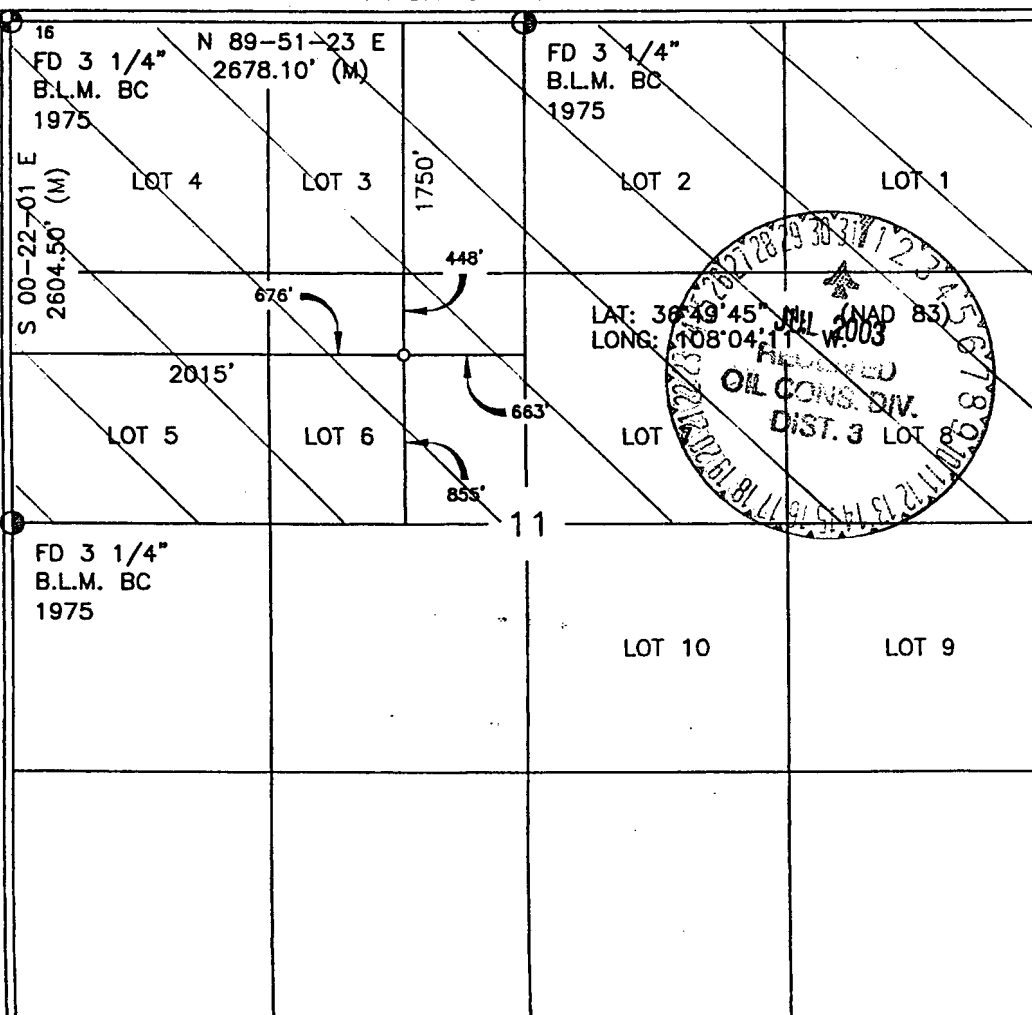
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30045-31623	² Pool Code 72319	³ Pool Name Blanco mesa verde
⁴ Property Code 22672	⁵ Property Name CHRISMAN GAS COM	⁶ Well Number 3
⁷ OGRID No. 101061	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5911'

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	11	30-N	12-W		1750'	NORTH	2015'	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 316.70		N/Z		13 Joint or Infill I		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

Signature Jeffrey W. Patton

Printed Name JEFFREY W. PATTON

DRILLING ENGINEER

Title

4-10-03

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.

2-25-03

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID A. JOHNSON
NEW MEXICO
14827
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number

18 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.

2-25-03
DAVID A. JOHNSON
NEW MEXICO
14827
REGISTERED PROFESSIONAL SURVEYOR
WILLIAMSON COUNTY, TENNESSEE

Date of Survey _____
Signature and Seal of Professional Surveyor: _____

Certificate Number _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-C135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

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

3b. Phone No. (include area code)

505 874-0101

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1,750' FNL & 2,015' FWL Sec 11, T30N, R12W

5. Lease Serial No.

SF - 081239

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Chrisman Gas Com #3

9. API Well No.

10. Field and Pool, or Exploratory Area

Blanco MV
Basin DK

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>Change to</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>Drilling</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | <u>Program</u> |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days 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. recently filed the APD for the above mentioned well.

Upon further review by the BLM it was determined that the geological tops were incorrect. A revised drilling program has been attached with the new geological tops and a new TD for the proposed well.

RECEIVED
2003 APR 16 PM 4:19
070 Farmington, NM

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jeff Patton

Title

Drilling Engineer

Date 4/15/03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

David J. Markiewicz

Title

Date JUL 29 2003

Office

Conditions of approval, if any, are attached. 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, 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.

Chrisman Gas Com #3

APD Data

April 15, 2003

Surface Location: 1,750' FNL & 2,015' FWL, Sec 11, T30N, R12W County: San Juan State: New Mexico

TOTAL DEPTH: ±7,175'

GR ELEV: 5,911'

OBJECTIVE: Dakota/Mesaverde

Est KB ELEV: 5,924' (13' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 265'	265' to 2,500'	2,500' 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 – 8.8 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'-265'	265'	36.0#	J-55	STC	2020	3520	394	8.921	8.765	5.98	5.68	15.73

Intermediate Casing: 7" casing to be set at ±2,500' in 8.6 - 9.0 ppg mud (or water/poly).

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'- ±2,500'	±2,500	20.0#	J-55	STC	2257	3740	234	6.456	6.331	1.15	1.31	2.57

Production Casing: 4-1/2" casing to be set at ±7,175' in air (if possible or in LNSD mud if needed).

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'- 7,175'	±7,175	10.5#	J-55	STC	4010	4790	132	4.052	3.927	1.33	1.20	1.90

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", 36.0#, J-55, STC casing to be set at $\pm 265'$.

Lead: ± 140 sx of Type III (or Class "B", depending on availability) cement containing 2% CaCl_2 , 1/4 pps celloflake, mixed at 14.5 - 15.6 ppg, 1.18 - 1.39 ft^3/sk , & 5.20 - 6.3 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 $\pm 2,500'$.

Lead: ± 250 sx of Type III (or Class "B", depending on availability) cement containing $\pm 8\%$ gelr, 1/4 pps celloflake and 2% CaCl_2 mixed at 11.4 ppg, 3.03 ft^3/sk , 18.51 gal wtr/sk.

Tail: ± 100 sx of Type III (or Class "B", depending on availability) cement containing 1/4 pps celloflake and 2% CaCl_2 mixed at 14.5 - 15.6 ppg, 1.18 - 1.39 ft^3/sk , 5.20 - 6.3 gal wtr/sk.

Total slurry volume is $\pm 900 \text{ ft}^3$, circulated to surface. This value is $>100\%$ (excess) over gage hole volume.

- C. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 7,175'$.

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: ± 325 sx of Premium Lite HS (65/35/6), 1/4 pps celloflake, 2% KCl, 0.5% fluidloss, 0.2% dispersant, 0.3% retarder, 0.5% fluid loss, 1/4#/sx cello, & 2% Phenoseal mixed at 12.5 ppg, 2.01 ft^3/sk , 10.55 gal wtr/sk.

Tail: ± 100 sx of Type III, 5% bonding additive, 1/4 pps celloflake, 0.4% fluidloss, 0.3% dispersant, 1/4#/sx cello & 2% Phenoseal mixed at 14.2 ppg, 1.54 ft^3/sk , 7.50 gal wtr/sk.

Total estimated slurry volume for the 4-1/2" production casing is 807 ft^3 for $\pm 4,650'$ of fill. Est. TOC should be $\pm 2,000'$. $>50\%$ (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

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.

