

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: ☒ DRILL ☐ REENTER		48 Lease Serial No. NMNM-003153
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ 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 2700 FARMINGTON AVE., BLDG. K-1 FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 324-1090	8. Lease Name and Well No. O H RANDEL 14 S
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface 1185 FSL & 885 FEL At proposed prod. zone SAME		9. API Well No. 30-045- 32948
14. Distance in miles and direction from nearest town or post office* 14 AIR MILES SOUTH OF BLOOMFIELD		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1185'	16. No. of acres in lease 1,920	11. Sec., T. R. M. or Blk. and Survey or Area 9-26N-11W NMPM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 140' (XTO OHR 10)	19. Proposed Depth 2,100'	12. County or Parish SAN JUAN
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,304' GL	22. Approximate date work will start* 09/19/2005	13. State NM
20. BLM/BIA Bond No. on file BLM NATIONWIDE 57 91 73		
23. Estimated duration 2 WEEKS		

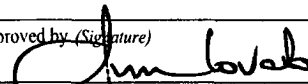
24. Attachments

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.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) BRIAN WOOD	Date 03/05/2005
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Title CONSULTANT PHONE: (505) 466-8120 FAX: (505) 466-9682

Approved by (Signature) 	Name (Printed/Typed)	Date 12/3/05
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Title Acting Field Manager - Minerals Office

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)

NMOCED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

DISTRICT II
1301 W. Grand Avenue, 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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102

Revised June 10, 2003

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32948	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 22857	⁵ Property Name O H RANDEL	⁶ Well Number 14S
⁷ GRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6304'

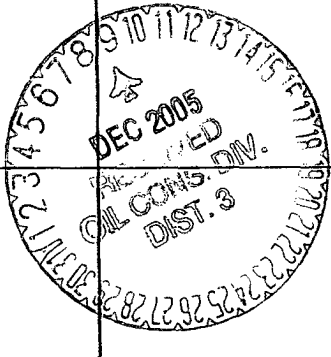
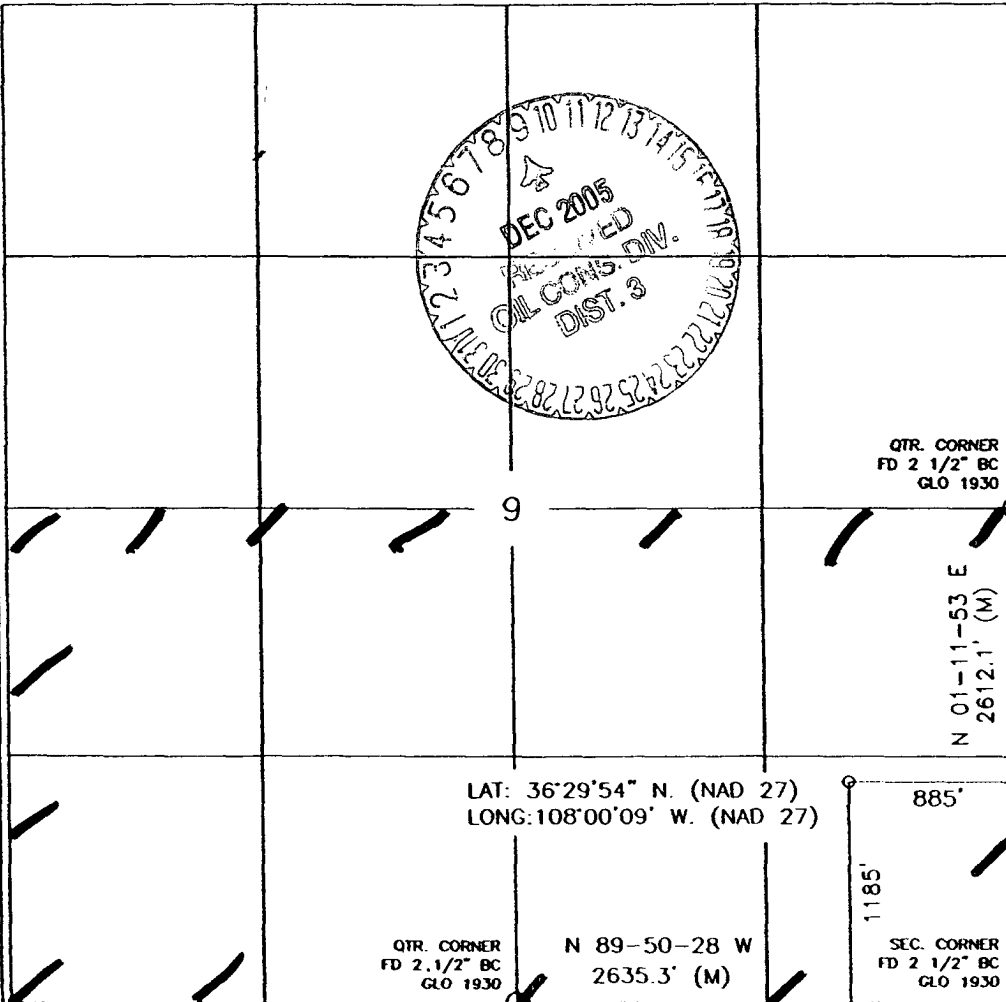
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P.	9	26-N	11-W	.	1185	SOUTH	885	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 320			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

16 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 BRIAN WOOD Printed Name CONSULTANT Title MAR. 5, 2005 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 knowledge and belief	
				Date of Survey Signature of Registered Professional Surveyor 14831 Certificate Number	

Submit 3 Copies To Appropriate District Office
District I
1625 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 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.	30-045-32948
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No. NMNM-003153	
7. Lease Name or Unit Agreement Name O H RANDEL	
8. Well Number	14 S
9. OGRID Number	167067
10. Pool name or Wildcat	BASIN FRUITLAND COAL GAS

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-1,
FARMINGTON, NM 87401

4. Well Location
Unit Letter P : 1185 feet from the SOUTH line and 885 feet from the EAST line
Section 9 Township 26N Range 11W NMPM County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6,304' GL

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DRILLING Depth to Groundwater ~255' Distance from nearest fresh water well >4,000' Distance from nearest surface water ~200'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 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 COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: DRILLING PIT

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.

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 Brian Wood TITLE CONSULTANT DATE 3-5-05

Type or print name BRIAN WOOD

E-mail address: brian@permitswest.com Telephone No. (505) 466-8120

For State Use Only

DEPUTY OIL & GAS INSPECTOR, DIST. #

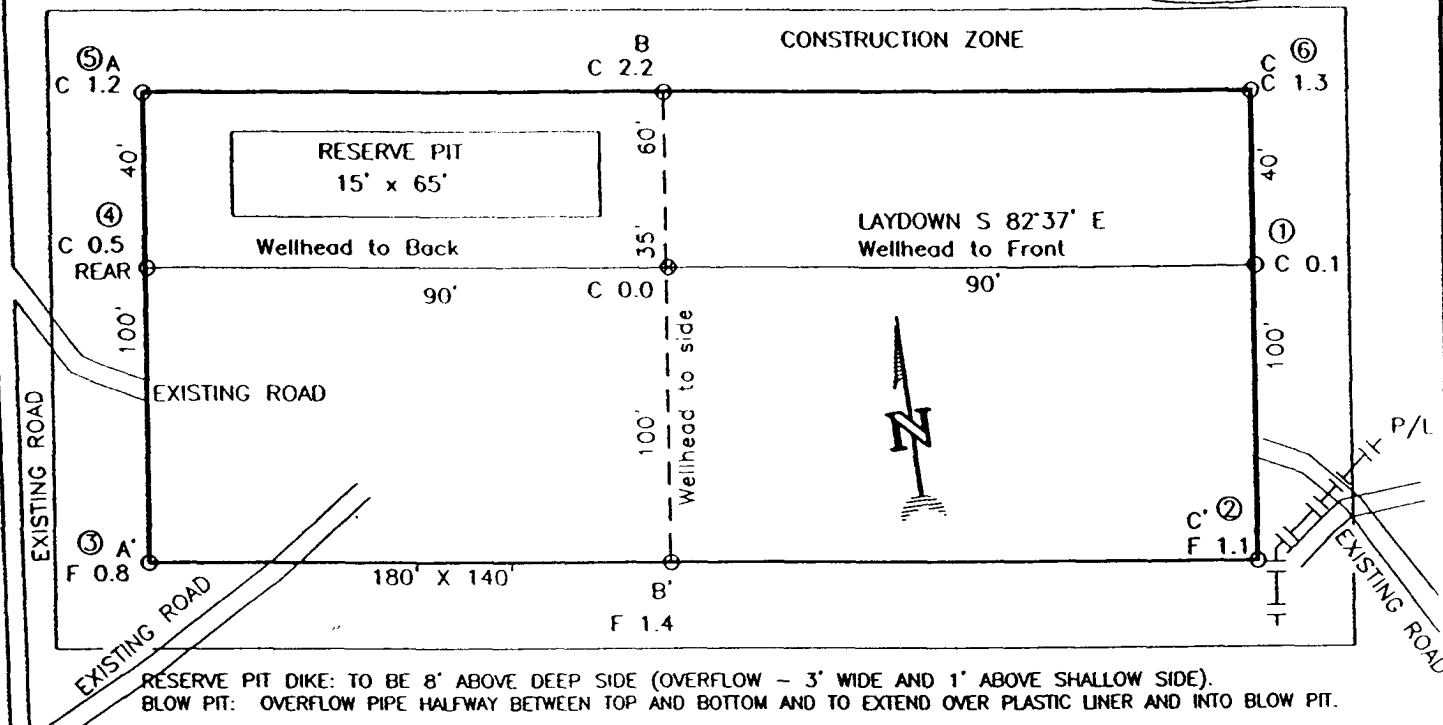
APPROVED BY: [Signature] TITLE

DATE DEC 09 2005

Conditions of Approval (if any):

XTO ENERGY INC.
 O H RANDEL No. 14S, 1185 FSL 885 FEL
 SECTION 9, T26N, R11W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 6304, DATE: JULY 12, 2004

LAT: 36°29'54" N.
 LONG: 108°00'09" 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

6310					
6300					
6290					
6280					

ELEV. B-B'

C/L

6310					
6300					
6290					
6280					

ELEV. C-C'

C/L

6310					
6300					
6290					
6280					

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.

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15068 • Farmington, NM 87401
 Phone (505) 326-1772 • Fax (505) 326-8019
 NEW MEXICO L.S. No. 14831



DATE: 07/28/04
 DRAWN BY: JLS
 CHECKED BY: JLS
 DATE: 07/28/04

XTO Energy Inc.
O H Randel 14 S
1185' FSL & 885' FEL
Sec. 9, T. 26 N., R. 11 W.
San Juan County, New Mexico

PAGE 1

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Nacimiento	000'	5'	+6,304'
Ojo Alamo	614'	619'	+5,690'
Kirtland Shale	704'	709'	+5,600'
Fruitland	1,384'	1,389'	+4,920'
Pictured Cliffs	1,654'	1,659'	+4,650'
Lewis Shale	1,984'	1,989'	+4,320'
Total Depth (TD)*	2,100'	2,105'	+4,204'

2. NOTABLE ZONES

<u>Gas & Oil Zones</u>	<u>Water Zones</u>	<u>Coal Zone</u>
Fruitland	Nacimiento	Fruitland
Pictured Cliffs	Ojo Alamo	
	Fruitland	

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP system to be used is not yet known. A typical 2,000 psi stack, manifold, and testing procedures are on Page 3.

XTO Energy Inc.
O H Randel 14 S
1185' FSL & 885' FEL
Sec. 9, T. 26 N., R. 11 W.
San Juan County, New Mexico

PAGE 2

4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>Connection</u>	<u>Setting Depth</u>
8-3/4"	7"	20	K-55	New	S T & C	160'
6-1/4"	4-1/2"	10.5	K-55	New	S T & C	2,100'

Surface casing will be cemented to the surface with ≈ 50 cubic feet (≈ 43 sacks) Class B + 1/4 lb/sk cello-flake + 2% CaCl_2 . Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume: $\geq 100\%$ excess. A guide shoe and insert float will be used. W. O. C. = 12 hours. Surface casing will be tested to 1,500 psi for 30 minutes.

Production casing will be cemented to the surface. Total cement: >437 cubic feet. Volumes are calculated at $>100\%$ excess. If cement does not circulate to surface, then a temperature survey will be run to determine the actual cement top as needed. W. O. C. = 12 hours. Test to 2,000 psi.

Lead cement will be ≈ 185 sacks Class B light cement (65% cement/35% Poz with 6% gel) with 5 #/sack gilsonite + 1/4 #/sack Flocele. Yield = 1.99 cu ft/sk. Weight = 12.4 #/gal.

Tail cement will be ≈ 50 sacks 50/50 Class B Poz with 2% gel + 1/4#/sack Flocele + 0.5% Halad 9. Yield = 1.38 cubic feet/sack. Weight = 13.5 #/gallon.

Cement equipment will include a guide shoe, float collar, and 10 centralizers.

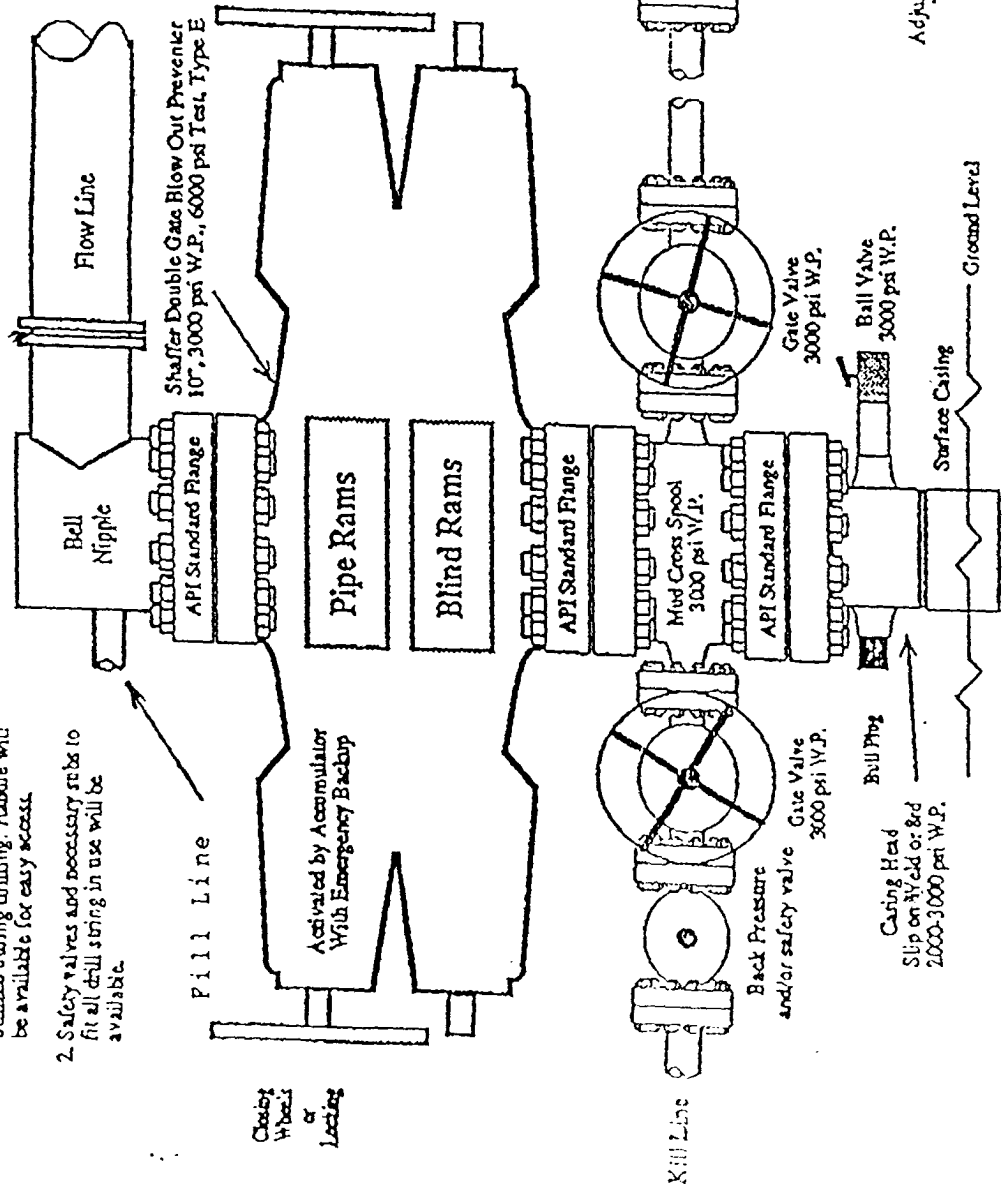
5. MUD PROGRAM

<u>Range</u>	<u>Mud Type</u>	<u>Weight</u>
0' - 160'	Fresh-Spud	8.4
160' - TD	LSND	8.6

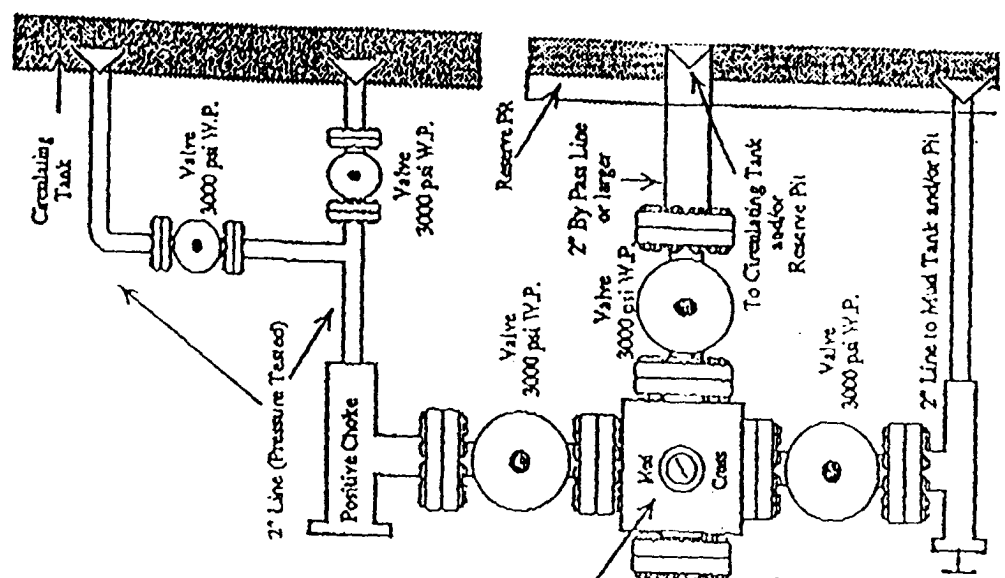
Lost circulation and absorption material will be on location.

Pressure Control Equipment

- Note: 1. An upper Xelly cock valve will be utilized during drilling. Handle will be available for easy access.
2. Safety valves and necessary stubs to fit all drill string in use will be available.



Minimum 2" Choke Line.
Minimum 2" Kill Line
At Least One 2" Minimum Kill Line Valve



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.