Form 3160-3
(September 2001)

2006 JAN 9 PM 2 31

FORM APPROVED
OMB NO. 1004-0136
Expires: January 31,2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED
070 FARMINGTON NM

5. Lease Serial No. SF-077482

6. If Indian, Allottee or Tribe Name

1a. Type of Work [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No. NMNM-073745

1b. Type of Well [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [ ] Multiple Zone

8. Lease Name and Well No. Ellsworth #1E

2. Name of Operator Pogo Producing

9. API Well No. 30-045-33790

3a. 300 N. Marienfeld, Suite 600 Midland, TX 79701

3b. Phone No. *(include area code)* (432) 685-8143

10. Field and Pool, or Exploratory Dakota 71599

4. Location of well *(Report location clearly and In accordance with any State requirements.*)*
At surface 1958' FNL & 1880' FWL
At proposed prod. zone

11. Sec., T., R., M., or Blk. And Survey or Area F, Sec. 29, T-30-N, R-12-W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
East main turn North on, and go to the end of Mickey Drive proceed on new street west, then north, west and south

12. County or Parish San Juan

13. State New Mexico

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg unit line, if any) 760'	16. No. of Acres in lease 320	17. Spacing Unit dedicated to this well W2/ 320 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 60'	19. Proposed Depth 6455'	20. BLM/ BIA Bond No. on file NM 2125
21. Elevations (Show whether DF. RT, GR, etc.) ~~5575~~ 5567	22. Aproximate date work will start* 8-Jun-06	23. Estimated Duration 10 Days

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 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 a authorized officer.

25. Signature B W Solzman	Name *(Printed/ Typed)* B.W. Solzman	Date 6-7-06
Title CONSULTANT		
Approved By *(Signature)* /s/ Mankiewicz	Name *(Printed/ Typed)*	Date 9/11/06
Title AFM	Office FFO	

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 co 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 Unite States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* (Instructions on reverse)

File Pit permit application prior to starting well site construction.

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

NMOCD

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

State of New Mexico
Energy, Minerals & Mining Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C - 102

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number	Pool Code	Pool Name
30-045-33790	71599	Basin DAKota

Property Code	Property Name	Well Number
36019	Ellsworth	1 E

OGRID No.	Operator Name	Elevation
233194	POGO PRODUCING CO.	5567'

Surface Location

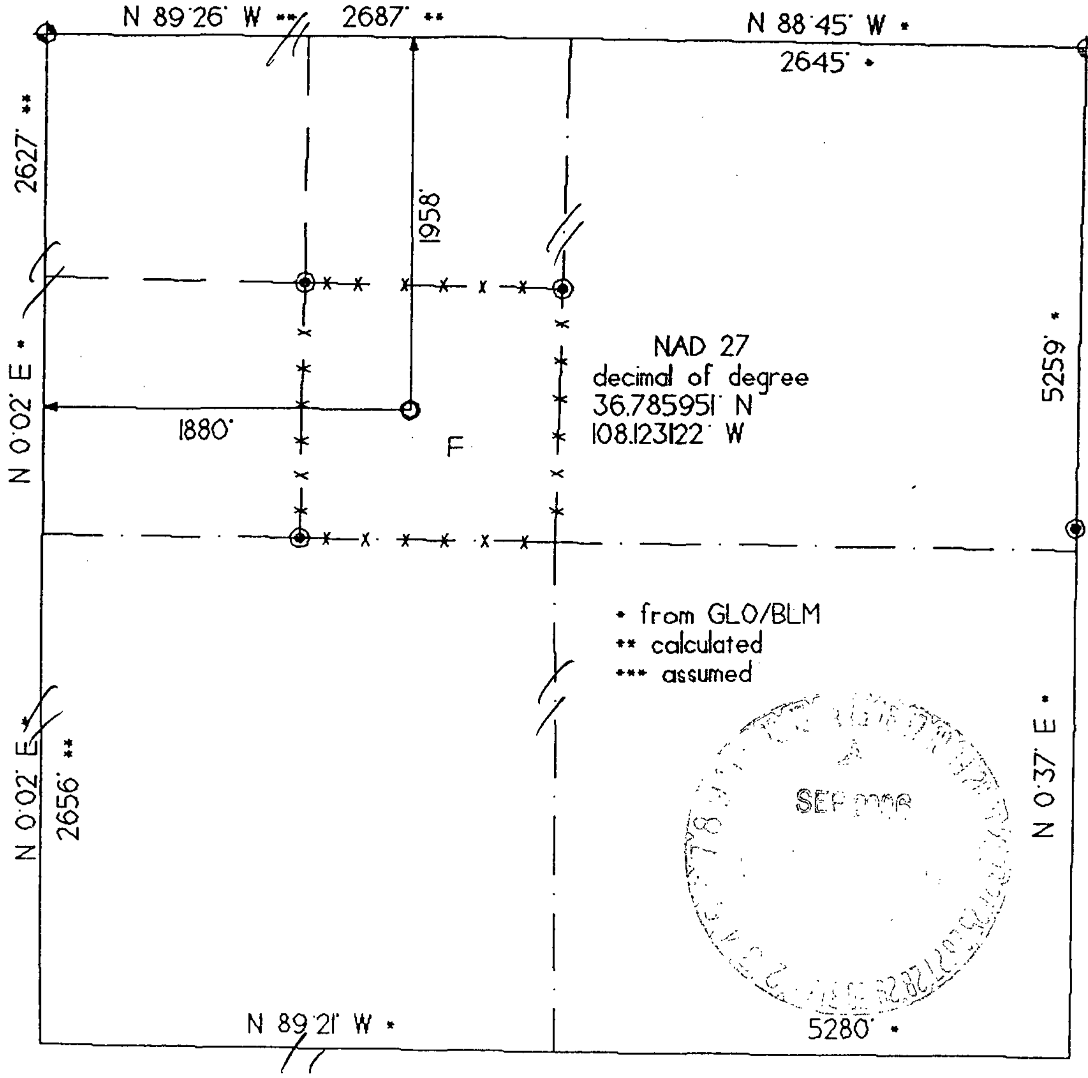
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
F	29	30 N.	12 W.		1958'	NORTH	1880'	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County

Dedication	Joint ?	Consolidation	Order No.
320 W/2			

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature B.W. Salzman

Printed Name B.W. SALZMAN

Title CONSULTANT

Date 6-7-06

SURVEYOR CERTIFICATION

I hereby certify that the well location 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.

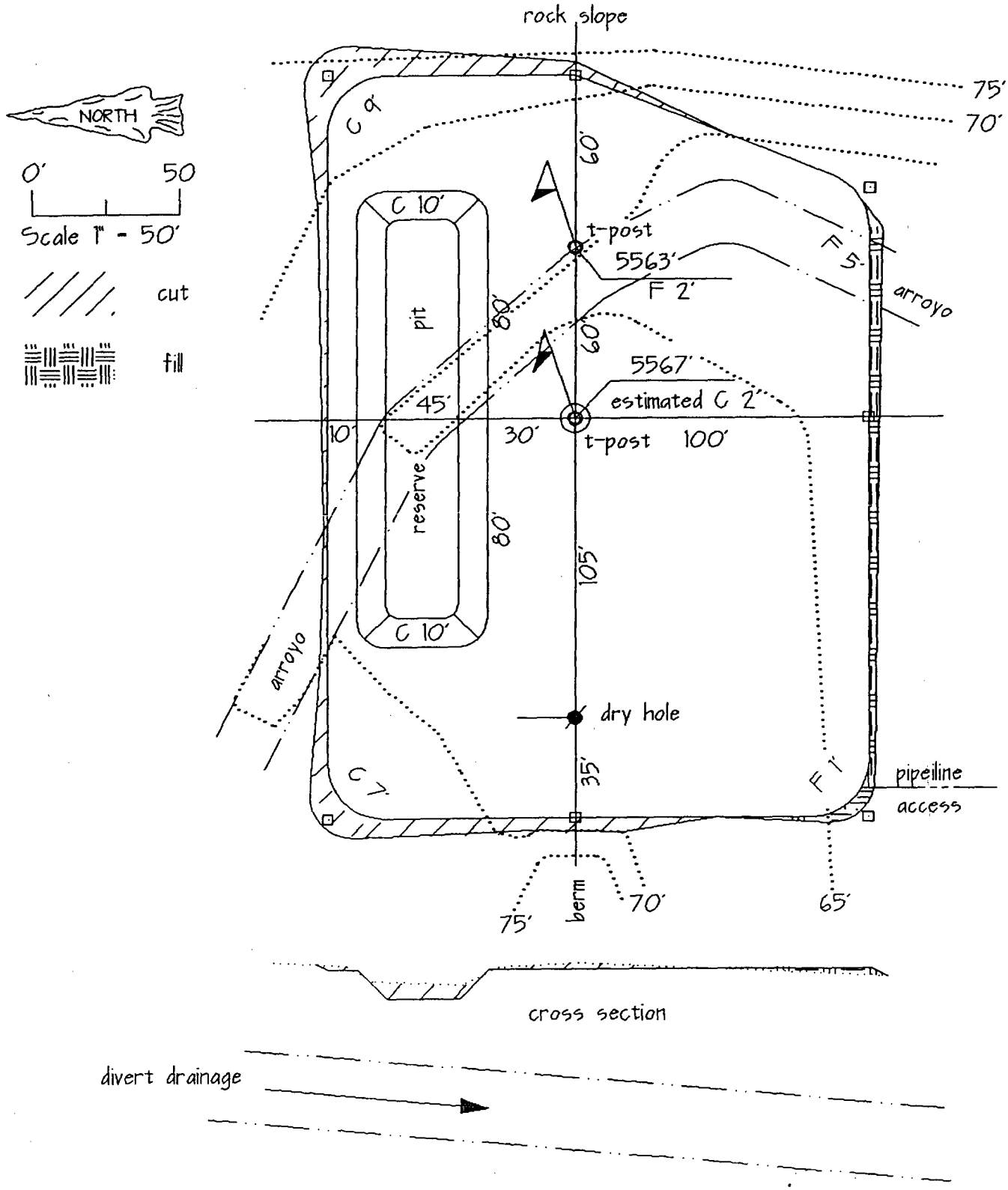
Date of Survey

rev: 08/22/'05

Signature and Seal of Professional Surveyor

GERALD G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR

Ellsworth 1 E & Juhan 1 T
well pad & section



TEN-POINT PROGRAM
POGO PRODUCING COMPANY

Well name: Ellsworth #1E
Location: 1958' FNL & 1880' FWL, F-Sec. 29, T-30-N, R-12-W, NMPM
San Juan County, NM
Formation: Dakota

1. The geological surface formation is: Ojo Alamo

2. The tops of important geological markers: (based on existing log information)

Ojo Alamo	Surface Formation
Kirtland	415'
Fruitland	1315'
Pictured Cliffs	1665'
Lewis Shale	1848'
Cliffhouse	3316'
Manafee	3390'
Point Lookout	4042'
Mancos	4414'
Gallup	5320'
Greenhorn	6071'
Graneros Sh	6135'
Graneros Sd	6181'
Dakota	6255'

3. Estimated depths of anticipated water, oil, gas, or minerals:

Substance	Formation	Anticipated Depth
Gas	Dakota	6455' +/-

4. The Casing Program:

Depth	Hole Size	Casing O.D.	Wt.	Grade	Type	New/Used
0-390'	8 3/4"	7"	20#	J-55	ST&C	New
0-6455"	6 1/4"	4-1/2"	10.5#	J-55	ST&C	New

Proposed Cement Program: To effectively isolate and seal off all water, oil, gas and coal bearing strata encountered by the utilization of spacer and centralizers at the base of the Ojo Alamo formation as specified by NTL-FRA 90-1 III.B and API standards; and by using cement volumes as follows: (Exact volumes to be determined from logs); circulate cement

Surface: 330 Cu Ft (280 Sx) Class B w/ 0.25# Flocele/ Sx w/5#/Sk Gilsonite plus 2% CaCl (100% Excess).

Production: 650 Cubic Feet (320 Sacks Lite Standard Cement w/ 2% Metasilicate + 0.25 pps Flocele mixed to 12.4 ppg followed by 162 Cubic Feet (134 Sacks) Standard w/ 0.6% Halad-322 mixed to 15.6 ppg w/ caliper plus 25% excess in both slurries. Grand Totals: 812 Cubic Feet (454 Sacks). Cement must be up to at least 2,90' from G.L.
If not circulated, Log for top of cement

TEN-POINT PROGRAM
POGO PRODUCING COMPANY

Well name: Ellsworth #1E
Location: 1958' FNL & 1880' FWL, F-Sec. 29, T-30-N, R-12-W, NMPM
San Juan County, NM
Formation: Dakota

5. Operators Minimum Specifications for pressure control:

Expected bottom hole pressure 250 psi or less.

Attached is a schematic of the blowout preventer used by a local contractor for other wells in the area. The BOP to be used is a double ram type BOP with flanged connections and high-pressure inlet and outlet hoses, all tested to 250 psi low and 1000 psi high.

In the event drill floor height precludes the use of a lower BOP spool, the rams will be tested in conjunction with the surface casing.

6. The type and characteristic of the proposed circulating muds:

Surface: Spud flocculating bentonite with lime.
Production:Freshwater - Bentonite

Interval	Mud Weight	Viscosity	Fluid Loss	Ph	Additives
0-650'	8.4	32	-----	7.5	Gel, Lime
650'-TD	8.6 – 9.2	30-50	<15cc	8	Additives as needed to maintain viscosity

7. Auxiliary Equipment to be used is as follows:

a. Float valve above bit.
b. Monitoring of mud system will be visual.
c. A safety valve and subs to fit all drill strings will be used.

8. Testing, logging and coring will be as follows:

a. Cores: None
b. Drill stem tests: none anticipated.
c. Logs will include: High Resolution Induction w/ Gamma Ray, SP, Caliper, Microlog, Spectral Density and Dual Spaced Neutron Microlog; all from Total depth to the surface casing shoe.

9. Anticipated Abnormal Pressures and temperatures:

No abnormal pressures, temperatures, or Hydrogen Sulfide gases are anticipated during the completion of this well.

BOP SCEMATIC 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~~ 10 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.

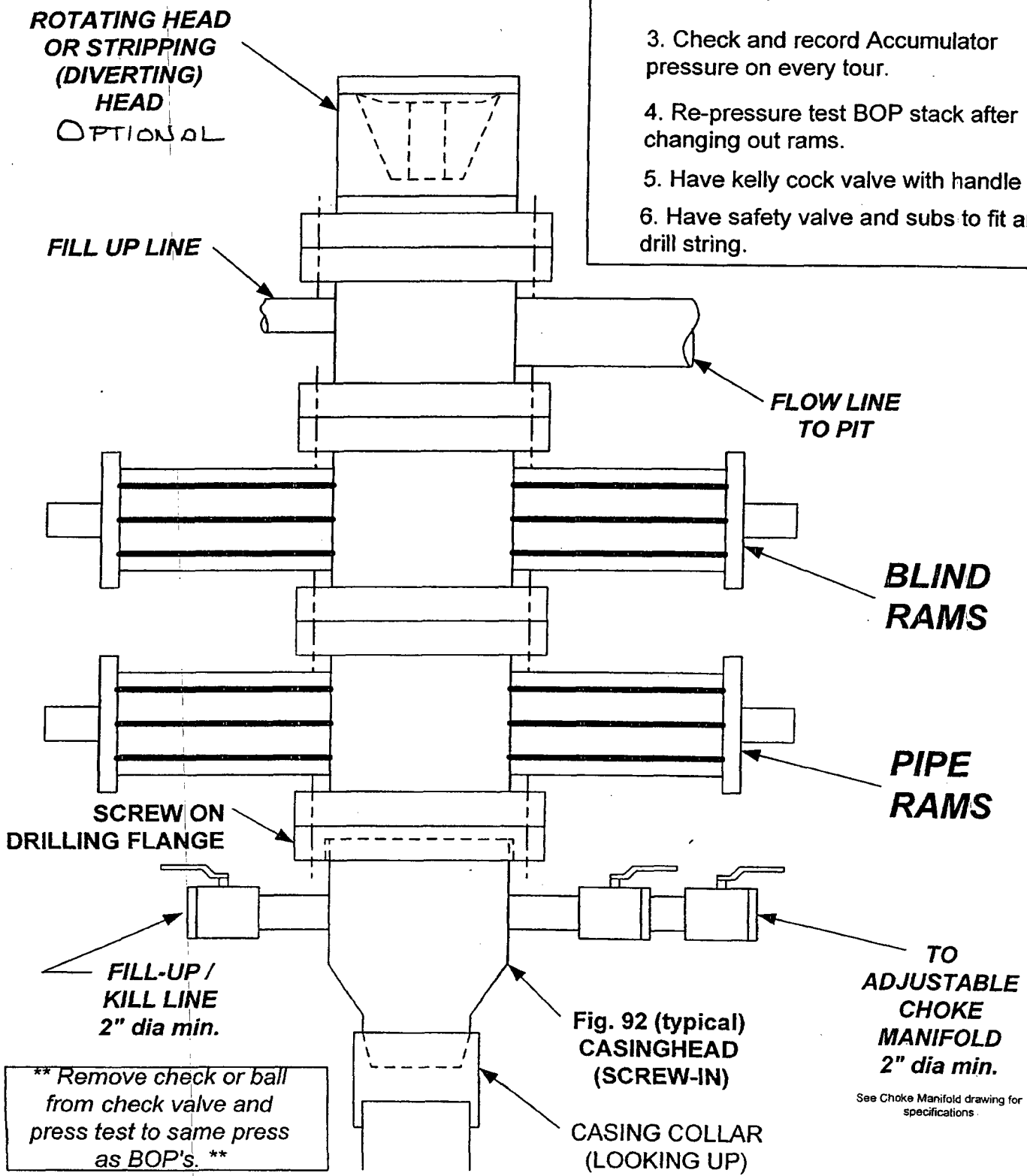
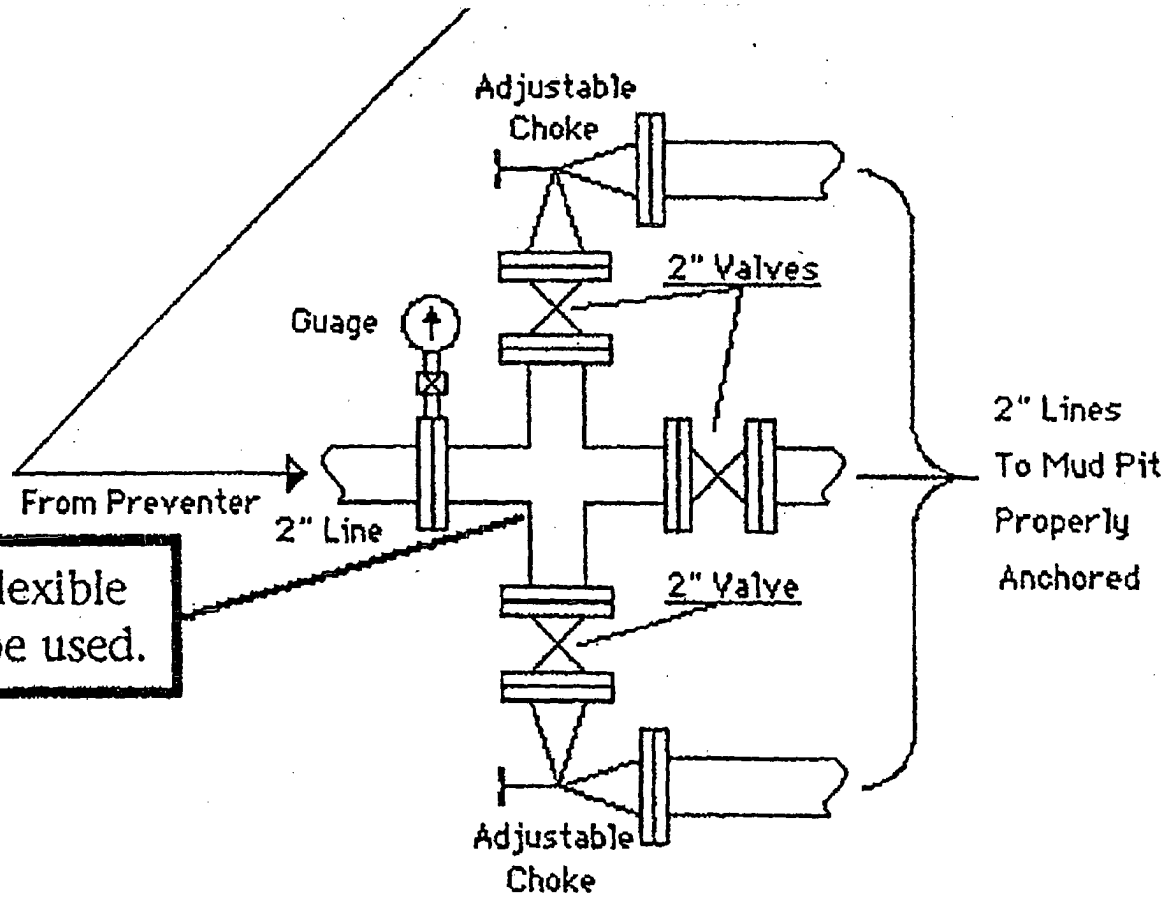


Fig. 92 (typical) CASINGHEAD (SCREW-IN)



High-Pressure, threaded flexible inlet and outlet lines will be used.

-7-06
TBS