

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

MAR 25 1994

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: Bass Enterprises Production Company P.O. Box 2760 Midland, TX 79702		OGRID Number 001801
Property Name Poker Lake Unit		API Number 30 - 015 - 27895
Property Code 1796	Well No. 105	

Surface Location

UL or lot no.	Section	Township	Range	Lot Idm	Feet from the	North/South line	Feet from the	East/West line	County
B	36	24S	30E		660'	North	1980'	East	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idm	Feet from the	North/South line	Feet from the	East/West line	County
UND									
Poker Lake (Delaware) - Lower Brushy Canyon					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3460'
Multiple No	Proposed Depth 8400'	Formation Delaware	Contractor Unknown	Spud Date Upon Approval

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
*14-3/4"	11-3/4" WC-40	42#	955'	480	Surface
**11"	8-5/8" WC-50	32#	4095'	880	Surface
*** 7-7/8"	5-1/2" K-55	15.5#	8300'	635	3895'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

*Surface Casing to be set +/-100' above the salt in the Rustler Anhydrite.
**Intermediate casing to be set in the top of the Lamar Lime.
***DV Tool to be set at +/-6000; cement to tie back to 3895'.

Drilling procedure, BOP diagram and Blowout prevention program attached.

This wellsite is outside R-111 P Areas.

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

Signature: *William R. Dannels*

Printed name: William R. Dannels

Title: Division Drilling Supt.

Date: 3/24/94
Phone: 915 683-2277

OIL CONSERVATION DIVISION

Approved by: *[Signature]*
Title: GEOLOGIST

Approval Date: 3-25-94
Expiration Date: 9-25-94

Conditions of Approval:
Attached ☐

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1960, Hobbs, NM 88240

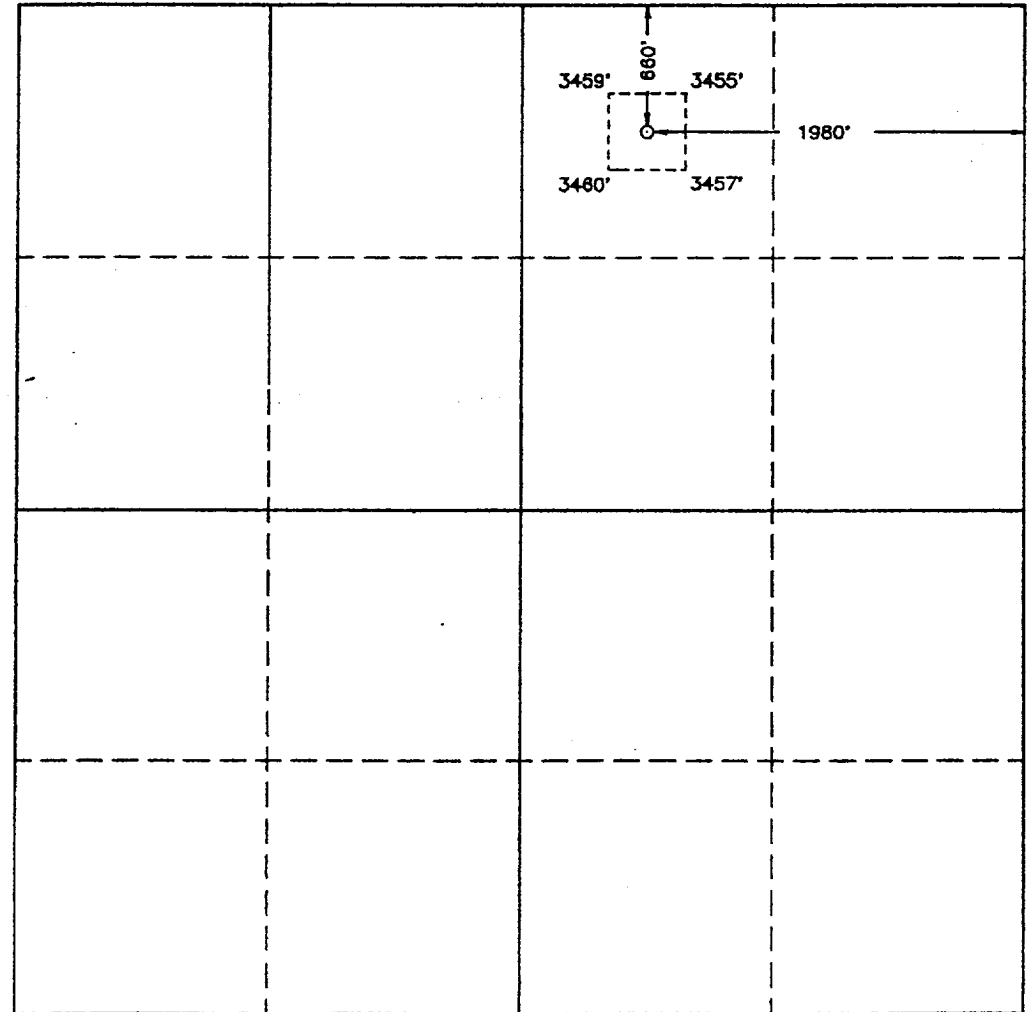
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

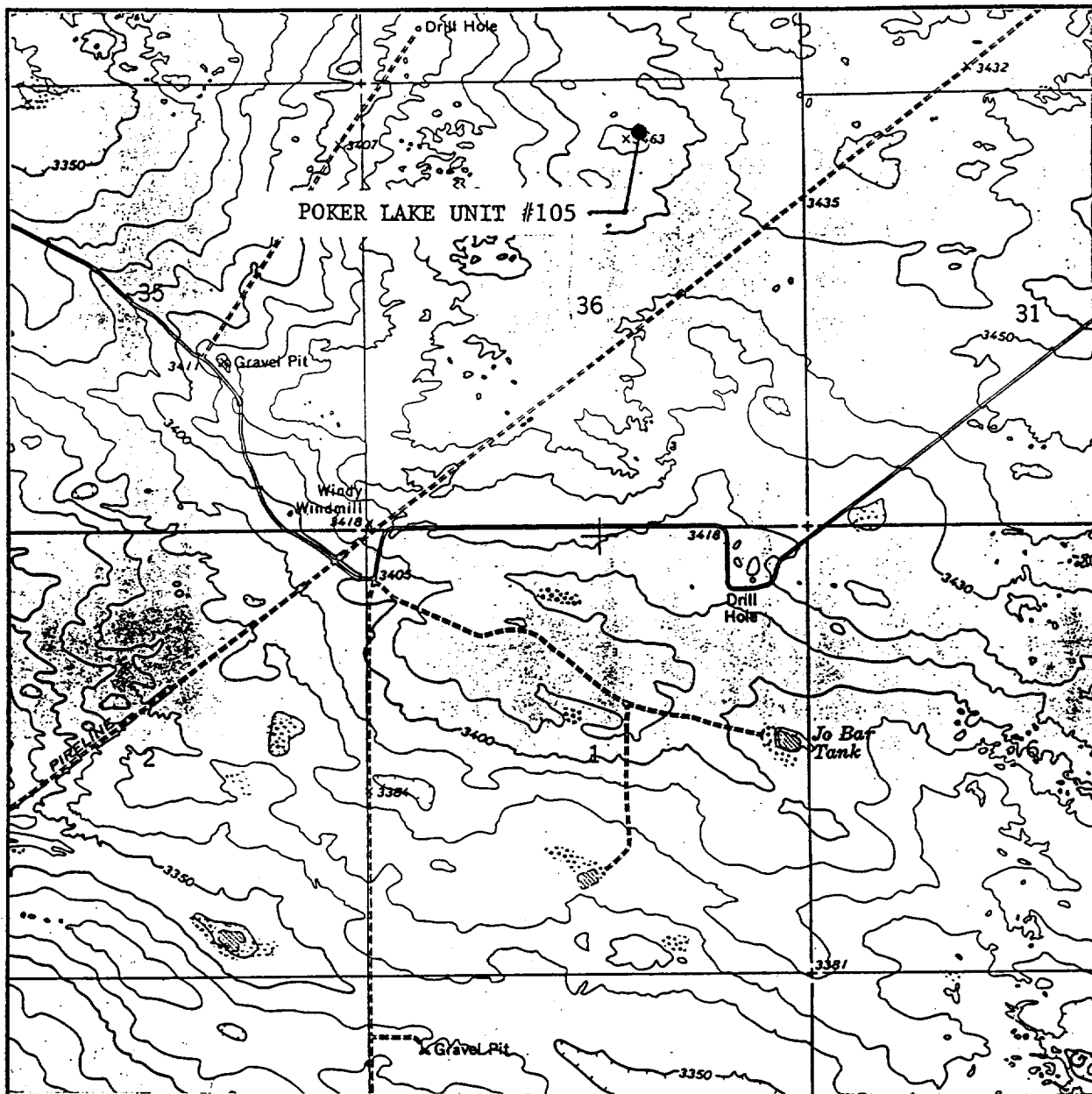
Operator BASS ENTERPRISES PRODUCTION COMPANY		Lease POKER LAKE UNIT		Well No. 105	
Unit Letter B	Section 36	Township 24 SOUTH	Range 30 EAST NMPM	County EDDY	
Actual Footage Location of Well:					
660 feet from the NORTH line and		1980 feet from the EAST line			
Ground Level Elev. 3460'	Producing Formation Delaware	Pool UNO Poker Lake (Delaware)		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
- If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)
- No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION	
I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>William R. Dannels</i>
Printed Name	William R. Dannels
Position	Division Dirg. Supt.
Company	Bass Enterprises Prod. Co.
Date	3/24/94
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 Surveyed	MARCH 24 1994
Signature & Seal of Professional Surveyor	<i>[Signature]</i> 2977
Certificate No.	JOHN W. WEST, 678 RONALD J. EDSON, 3239 GARY L. JONES, 7977
94-11-0378	

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

SEC. 36 TWP. 24S RGE. 30E

SURVEY N.M.P.M.

COUNTY EDDY STATE N.M.

DESCRIPTION BASS ENTERPRISES CORP.

ELEVATION

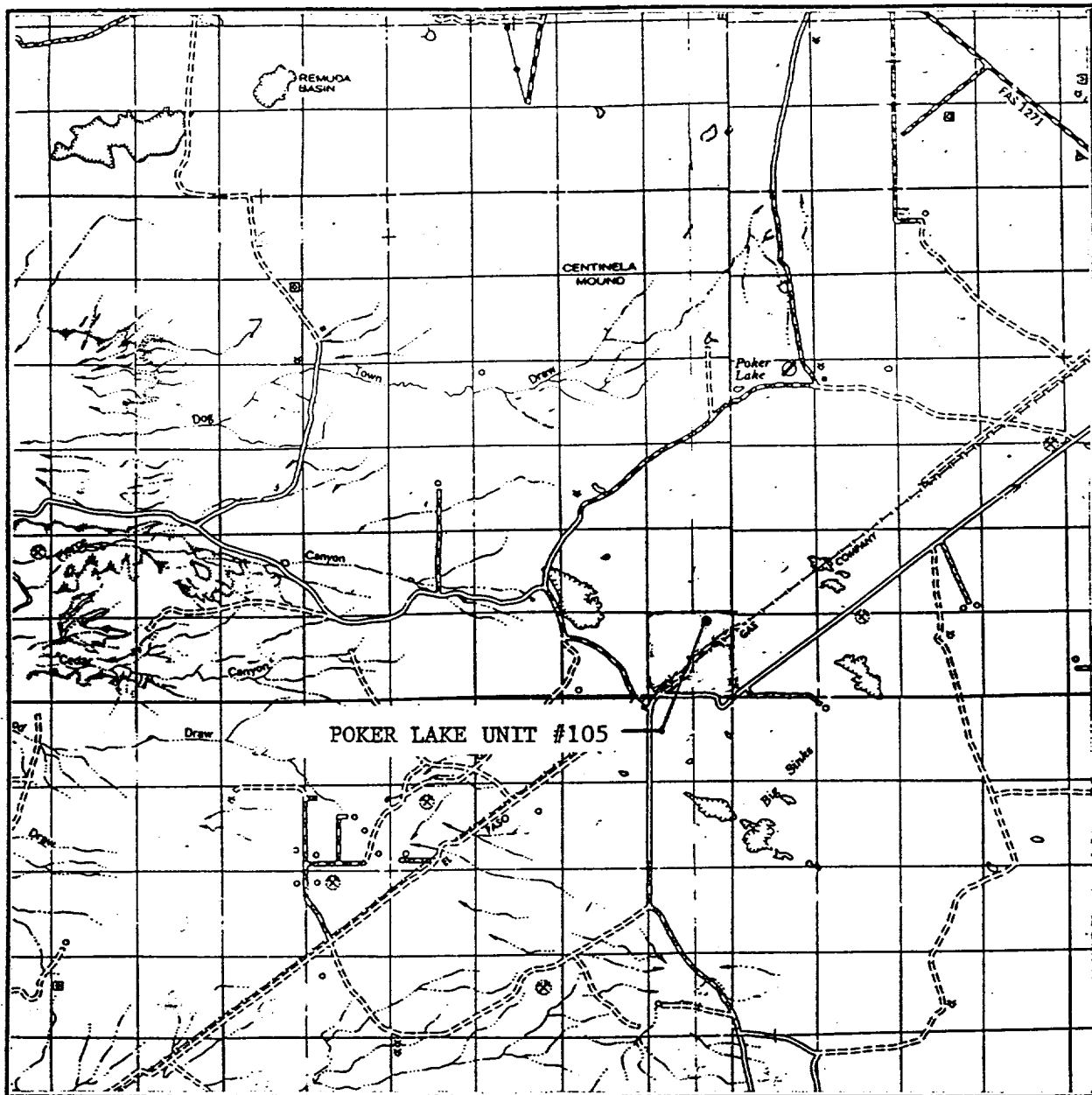
OPERATOR BASS ENTERPRISES CORP.

LEASE BIG SINKS, N.M.

U.S.G.S. TOPOGRAPHIC MAP

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 36 TWP. 24S RGE. 30E

SURVEY N.M.P.M

COUNTY EDDY STATE N.M.

DESCRIPTION BASS ENTERPRISES CORP.

ELEVATION

OPERATOR BASS ENTERPRISES CORP.

LEASE BIG SINKS, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

**EIGHT POINT DRILLING PROGRAM
BASS ENTERPRISES PRODUCTION CO.**

NAME OF WELL: POKER LAKE UNIT #105

LEGAL DESCRIPTION - SURFACE: 660' FNL & 1980' FEL, Section 36, T-24-S, R-30-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3480' (est)
GL 3460'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	675'	+2805'	Barren
T/Salt	1055'	+2425'	Barren
B/Salt	3995'	- 515'	Barren
T/Delaware	4195'	- 715'	Oil/Gas
T/Lower Brushy Canyon	7850'	-4370'	Oil/Gas
T/Bone Spring Lime	8150'	-4670'	Oil/Gas
TD	8400'	-4920'	

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
20"	0' - 40'	Conductor	Contractor Discretion
11-3/4" 42# WC-40 ST&C	0' - 955'	Surface	New
8-5/8" 32# WC-50 LT&C	0' - 4095'	Intermediate	New
5-1/2" 15.5# K-55 LT&C	0' - 8400'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAMS)

A BOP equivalent to Diagram 1 will be nipped up on the surface casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to the lowest rated working pressure of the equipment being tested. In addition to the rated working pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Fifteen days after a previous test
- d) As required by well conditions

A function test of Annular, Pipe and Blind rams to insure that the preventers are operating correctly will be performed on each trip. Pipe rams and Annular will be function tested a minimum of once every 24 hours. See the attached Diagram for the minimum criteria for the choke manifold.

POINT 5: MUD PROGRAM

<u>DEPTH</u>	<u>MUD TYPE</u>	<u>WEIGHT</u>	<u>FV</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>	<u>Ph</u>
0' - 955'	FW Spud Mud	8.4 - 9.0	32-38	NC	NC	NC	10.0
955' - 4095'	BW	9.8 - 10.2	28-30	NC	NC	NC	10.0-10.5
4095' - 7000'	FW Mud	8.4 - 8.6	28-32	6-10	4-10	NC	9.5-10.5
7000' - 8400'	FW Mud	8.6 - 8.8	32-35	10-13	6-10	NC	9.5-10.5

POINT 6: TECHNICAL STAGES OF OPERATION**A) TESTING**

None anticipated.

B) LOGGING

GR-CNL-LDT and GR-DIL-SFL from TD to 8-5/8" casing.
 GR 8-5/8" casing to surface.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
SURFACE						
Lead 0-655'	285 (100% excess circ to surface)	655'	Class "C" + 6% Gel + 2% CaCl ₂ + 1/4#/sk Cello-Seal	10.96	12.39	2.00
Tail 655-955'	195 (100% excess circ to surface)	300'	Class "C" + 2% CaCl ₂	6.32	14.82	1.34
INTERMEDIATE						
Lead 0-3595'	710 (75% excess circ to surface)	3595'	Class "C" + 6% Gel + 5% Salt + 1/4#/sk Cello-Seal	10.96	12.53	2.01
Tail 3995-4095'	170 (75% excess circ to surface)	500'	Class "C"	6.32	14.80	1.32
PRODUCTION						
STAGE #1						
Lead 6000-8400'	395 (50% excess tie back to DV Tool)	2400'	Class "H" + 8#/sk CSE + .75% CF-14 + .2% Thrifty Lite	7.90	14.04	1.61
STAGE #2						
Lead 3895-5700'	180 (50% excess tie back to int csg)	1805'	Class "C" + 3% Salt + 1% CSE + 3% Thrifty Lite	16.02	11.79	2.67
Tail 5700-6000'	60 (50% excess tie back to int csg)	300'	Class "C"	6.32	14.80	1.32

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout the Delaware section. A BHP of 3669 psi (max) or MWE of 8.5 ppg at TD is expected. Lost circulation may exist in the Delaware section from 4200-7700'. No H₂S is anticipated. Estimated BHT at TD is 142° F.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

Upper and lower kelly cocks. Full opening stab in valve on the rig floor.

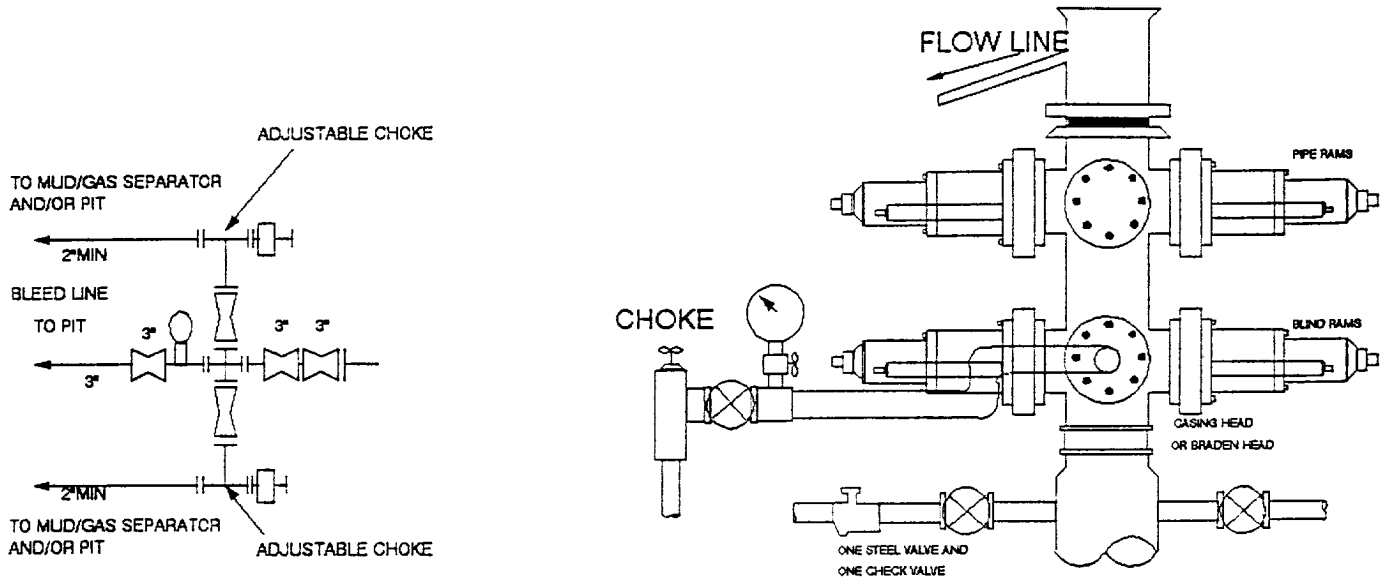
B) Anticipated Starting Date

Upon approval

14 days drilling operations

10 days completion operations

3000 PSI WP



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOP's.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on rig floor.
- H. Choke may be either positive or adjustable. Choke spool may be used between rams.

DIAGRAM 1