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P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

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## OIL CONSERVATION DIVISION

P. O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED ☐ AMENDED REPORT  
OCD ARTESIA

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

1. Operator Name and Address Bass Enterprises Production Co. P O Box 2760 Midland, Texas 79702-2760 915-683-2277		2. OGRID Number 001801
		3. API Number 30-015-30039
4. Property Code 1796	5. Property Name Poker Lake Unit	6. Well No. 141

## 7. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	23S	30E		1980	South	660	West	Eddy

## 8. Proposed 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

9. Proposed Pool 1 Nash Draw (Delaware)	10. Proposed Pool 2
--	---------------------

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code State	15. Ground Level Elevation 3218'
16. Multiple N	17. Proposed Depth 7600'	18. Formation Bone Spring	19. Contractor Lakota Drilling	20. Spud Date ASAP

## 21. Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8-5/8"	28#	560	220	Surface
7-7/8"	5-1/2"	15.5#	7600'	665	TOC @ 3050' (500' above the upper most known hydrocarbon bearing zone)

22. 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.

This well is inside the Secretary's Potash Area AND outside the R-111-P Potash Area.

There is no Potash leases within 1 mile of location.

The surface casing will be set into the Rustler below all fresh water sands.

Cement will be placed 500' above the upper most known hydrocarbon bearing zone (Ramsey Sand @ 3554').

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

Signature: *William R. Dannels*

Printed Name: William R. Dannels

Title: Division Drilling Supt.

Date: January 23, 1998

Phone: (915) 683-2277

## OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUM**  
**DISTRICT II SUPERVISOR**

Title:

Approval Date: **FEB 4 1998**

Conditions of Approval:  
Attached

2-4-98

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
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DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Nash Draw (Delaware)
Property Code	Property Name	Well Number
1796	Poker Lake Unit	141
OGRID No.	Operator Name	Elevation
001801	Bass Enterprises Production Company	3218'

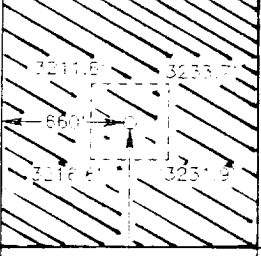
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	23 S	30 E		1980	South	660	West	Eddy

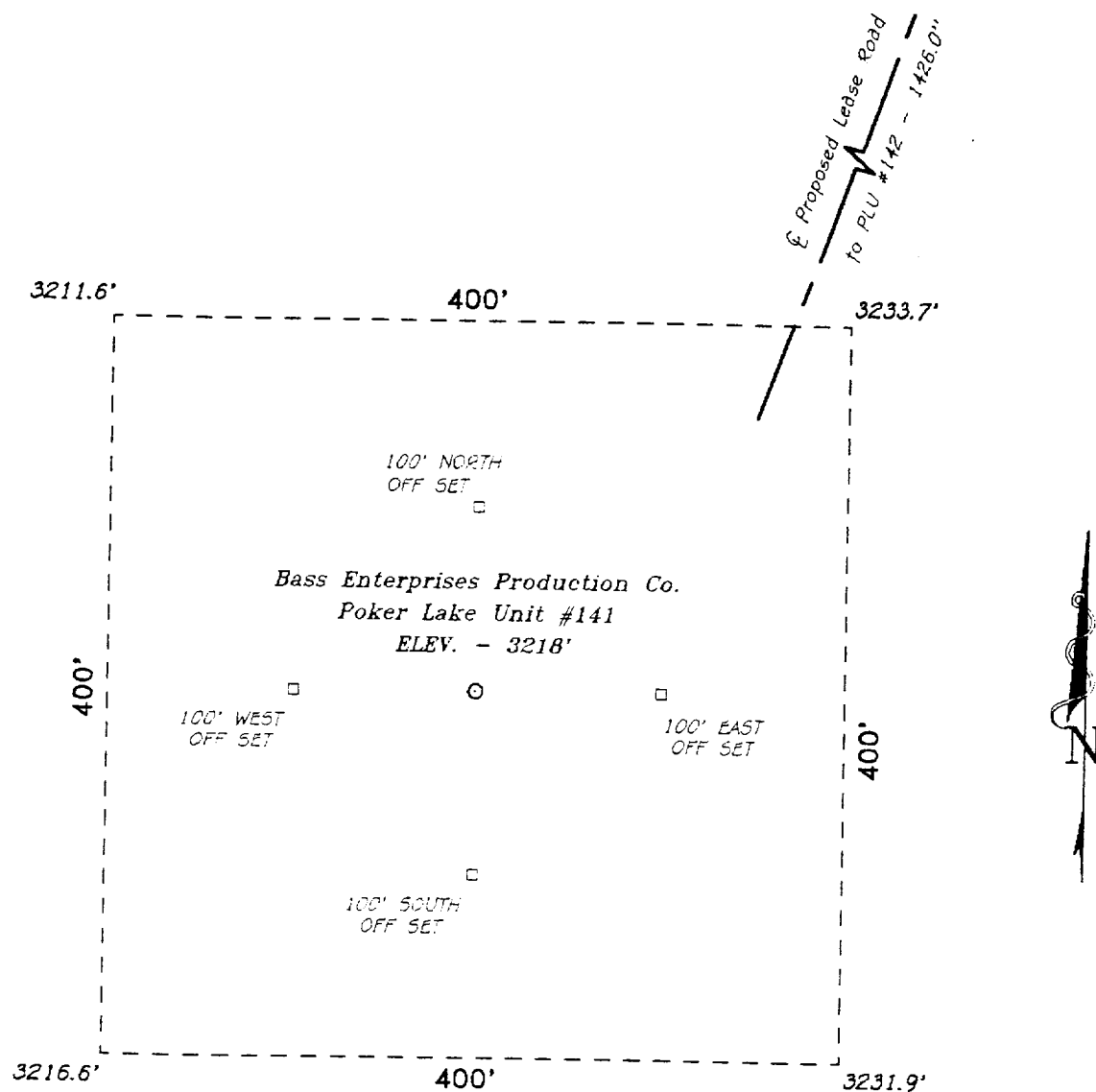
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40	N								

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

				<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  <u>William R. Dannels</u> Signature <u>William R. Dannels</u> Printed Name <u>Division Drilling Supt.</u> Title <u>September 16, 1997</u> Date	
				<b>SURVEYOR CERTIFICATION</b>  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.  <u>August 22, 1997</u> Date Surveyed <u>[Signature]</u> Signature & Seal of Professional Surveyor <u>W.O. No. 7498b</u> Certificate No. <u>Gary L. Jones 7977</u>	
				<b>BASIN SURVEYS</b>	

SECTION 32, TOWN IP 23 SOUTH, RANGE J EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



100 0 100 200 FEET  
SCALE: 1" = 100'

**BASS ENTERPRISES PRODUCTION CO.**

REF: Poker Lake Unit No. 141 / Well Pad Topo

THE POKER LAKE UNIT No. 141 LOCATED 1980' FROM THE  
SOUTH LINE AND 660' FROM THE WEST LINE OF  
SECTION 32, TOWNSHIP 23 SOUTH, RANGE 30 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

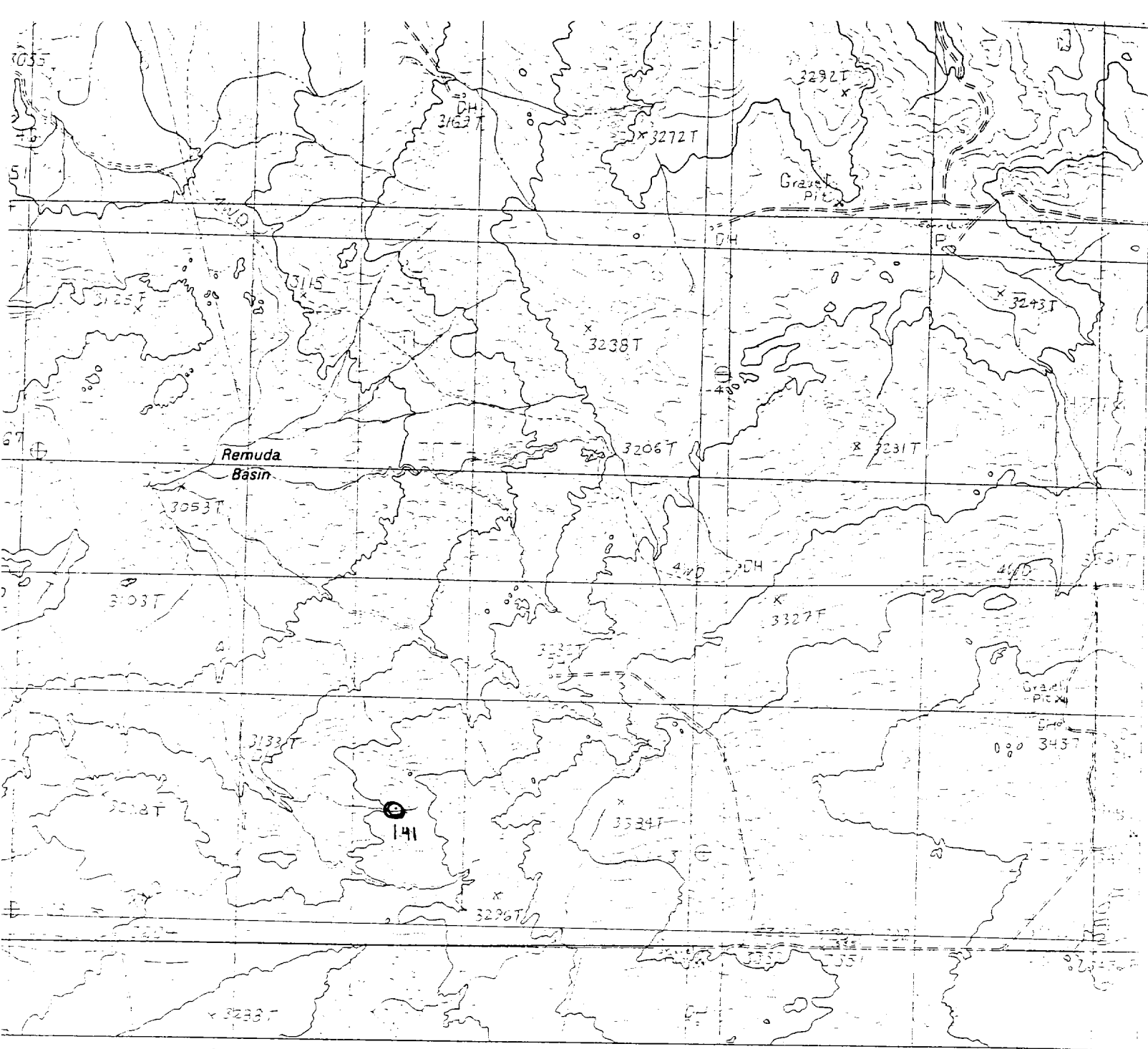
**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.D. Number: 7495 Drawn By: S.C. NICHOLS

Sheet: 08-25-97 Disk: SON #39 - 7496BB.DWG

Survey Date: 08-22-97

Sheet 1 of 1 Sheets



**Bass Enterprises Production Company**  
**Poker Lake Unit No. 141**  
**1980' FSL & 660' FWL**  
**Sec. 32, T-23-S, R-30-E,**  
**Eddy County, New Mexico.**

SCALE: 1" = 2000'

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

2000' 0 2000' 4000 Feet

W.O. Number: 7498	Drawn By: S.C. Nichols	Survey Date: 08-22-97	Sheet 1 of 1 Sheets
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**EIGHT POINT DRILLING PROGRAM  
BASS ENTERPRISES PRODUCTION CO.**

**NAME OF WELL: POKER LAKE UNIT #141**

LEGAL DESCRIPTION - SURFACE: 1980' FSL & 660' FWL, Section 32, T-23-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 3234' (est)  
GL 3218'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	299'	+2935'	Barren
T/Salt	584'	+2650'	Barren
B/Salt	3304'	- 70'	Barren
T/Lamar Lime	3524'	- 290'	Barren
T/Ramsey Sand	3554'	- 320'	Oil/Gas
T/Lwr Brushy Canyon	7039'	- 3805'	Oil/Gas
T/"W" Sand	7154'	- 3920'	Oil/Gas
T/"Y" Sand	7204'	- 3970'	Oil/Gas
T/Bone Spring	7311'	- 4077'	Oil/Gas
TD	7600'	- 4366'	

**POINT 3: CASING PROGRAM**

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
8-5/8", 24#, J-55, ST&C	0' - 560'	Surface	New
5-1/2", 15.50#, K-55, LT&C	0' - 7600'	Production	New

**POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)**

A BOP equivalent to Diagram 1 will be nipped up on the surface casing head. When testing, 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

Con't...

#### POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A function test of annular, pipe and blind rams to insure that the preventers are operating correctly will be performed on each trip. A function test is required only a minimum of once every 24 hours. See the attached diagram #1 for the minimum criteria for the choke manifold.

#### POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' - 560'	FW Spud	8.4 – 9.0	45-38	NC	NC	NC	9.5
560' - 7000'	Brine	9.8 – 10.0	28-30	NC	NC	NC	9.5
7000' - 7600'	Brine	10.0 – 10.1	28-30	NC	NC	<100	9.5

#### POINT 6: TECHNICAL STAGES OF OPERATION

##### A) TESTING

None anticipated.

##### B) LOGGING

GR-CNL from the Base of Salt ( $\pm 3304'$ ) to surface.  
GR-CNL-LDT-AIT from TD to Base of Salt ( $\pm 3304'$ ).

##### C) CONVENTIONAL CORING

None anticipated.

##### D) CEMENT

#### SURFACE

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT <sup>3</sup> /SX
0-560'	80	260	Class "C" + 4% gel + 2% CaCl <sub>2</sub>	9.09	13.5	1.74
(100% excess circ to surface)	140	300	Class C + 2% CaCl <sub>2</sub>	6.32	14.8	1.32

#### PRODUCTION (Two stage w/DV tool @ $\pm 5800'$ )

INTERVAL	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT <sup>3</sup> /SX
1 <sup>st</sup> Stage 5800'-7600' (50% excess)	290	1800	Class H + 1.4 gps Fumed Silica + 0.05 gps Flac + 0.2 gps Anti foam agent + 3% Salt + 0.3% Retarder	8.8	14.0	1.66
2 <sup>nd</sup> Stage LEAD 3050-5300' (50% excess)	275	2250'	35/65 Poz C + 6% Gel	10.2	12.4	2.14
TAIL 5300-5800' (50% excess)	100	500'	Class C Neat	6.32	14.8	1.32

Con't... **POINT 6: TECHNICAL STAGES OF OPERATION**

E) **DIRECTIONAL DRILLING**

No directional services anticipated.

**POINT 7: ANTICIPATED RESERVOIR CONDITIONS**

Normal pressured formations are anticipated throughout this well. No H<sub>2</sub>S is expected.

**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**

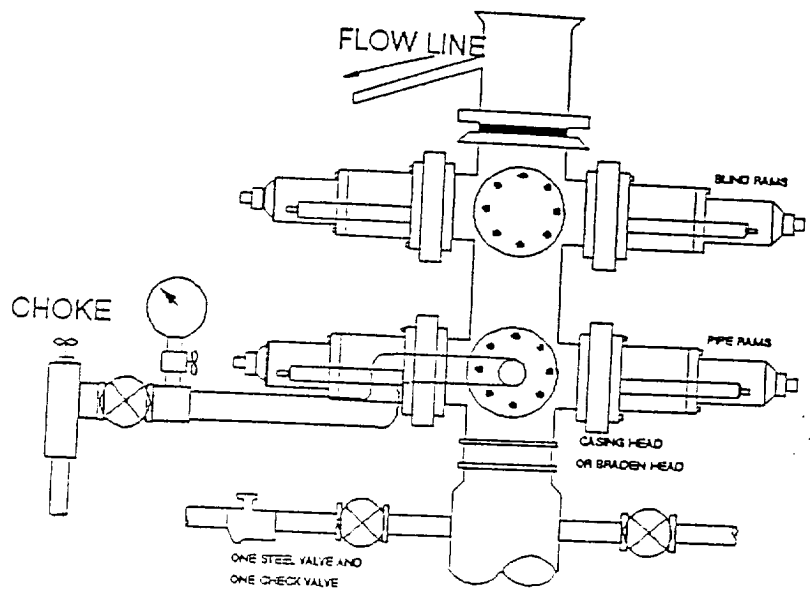
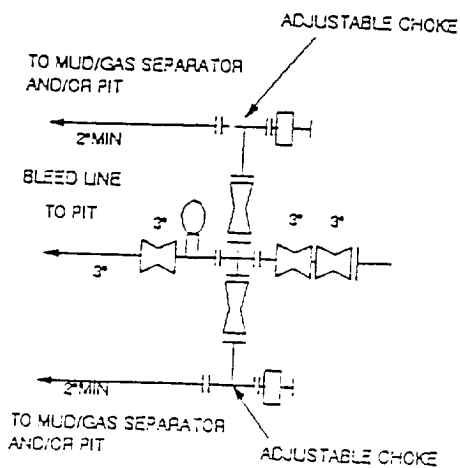
Upon approval

15 days drilling operations

14 days completion operations

BGH/mac  
1/23/98

# 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. All chokes will be adjustable. Choke spool may be used between rams.

DIAGRAM 1