

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

RECEIVED

Form C-101
March 4, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

AUG 25 2004
OCD-ARTESIA

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

¹ Operator Name and Address Bass Enterprises Production Co. P. O. Box 2760 Midland, TX 79702		² OGRID Number 001801
		³ API Number 30-015-31973
⁴ Property Code 1796	⁵ Property Name POKER LAKE UNIT	⁶ Well No. 186

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
K	32	23S	30E		1750	SOUTH	1650	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/Westline	County

⁹ Proposed Pool 1 NASH DRAW (DELAWARE)	¹⁰ Proposed Pool 2
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Drilling Pit Location and Other Information


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
K	32	23S	30E		1750	SOUTH	1650	WEST	EDDY
Depth to ground water 440'			Distance from nearest fresh water well 1.5 MILES			Distance from nearest surface water 4.5 MILES (SLT LAKE)			
¹¹ Work Type Code N		¹² Well Type Code O		¹³ Cable/Rotary R		¹⁴ Lease Type Code S		¹⁵ Ground Level Elevation 3270'	
¹⁶ Multiple NO		¹⁷ Proposed Depth 7680'		¹⁸ Formation DELAWARE		¹⁹ Contractor GREYWOLF #15		²⁰ Spud Date 09/16/2004	

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	28#	625'	324	SURFACE
7-7/8"	5-1/2"	15.50# & 17#	7680'	730	3133' (500' ABOVE
					UPPER MCST PAY
					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.
SURFACE IS OWNED BY THE STATE OF NEW MEXICO.
ATTACHED IS A DRILLING PROGNOSIS AND BOP PROGRAM.

Secretary's Order for the Parish area

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Signature: <i>Cindi Goodman</i> Printed name: Cindi Goodman Title: Production Clerk E-mail Address: cdgoodman@basspet.com Date: 08/16/2004 Phone: (432)683-2277	 OIL CONSERVATION DIVISION Approved by: TIM W. GUM DISTRICT II SUPERVISOR Approval Date: SEP 16 2004 Expiration Date: SEP 16 2005
	Conditions of Approval: Attached <input type="checkbox"/>
	Cement to cover all oil, gas and water bearing zones.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87605

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
BEPKO - WID PRODUCTION
JUN 27 2001
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 47545	Pool Name Nash Draw (Delaware)
Property Code 001796	Property Name POKER LAKE UNIT	Well Number 186
OGED No. 001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY	Elevation 3270'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	32	23 S	30 E		1750	SOUTH	1650	WEST	EDDY

Bottom Hole Location If Different From Surface

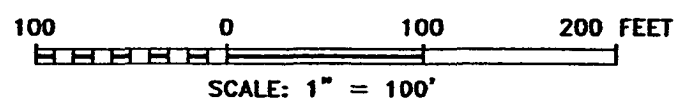
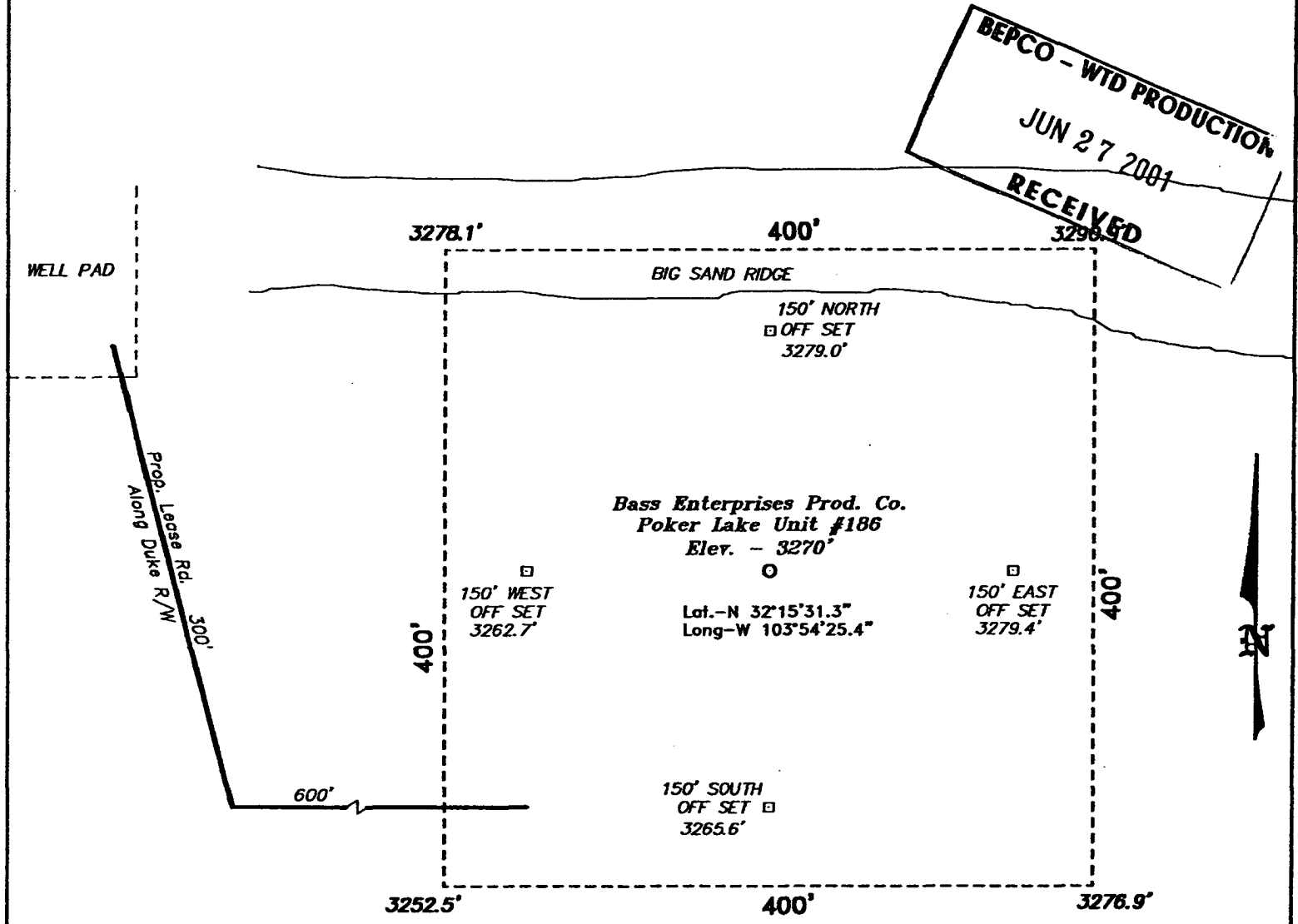
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.						

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>William R. Dannels</i> Signature</p> <p>William R. Dannels Printed Name</p> <p>Division Drilling Supt. Title</p> <p>8/18/04 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>June 19, 2001 Date Surveyed</p> <p><i>G. L. Jones</i> Signature & Seal of Professional Surveyor</p> <p>7977 O. No. 15528 Certification No.</p> <p>BASIN SURVEYS</p>

**SECTION 32, TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**

BEPCO - WTD PRODUCTION
JUN 27 2001
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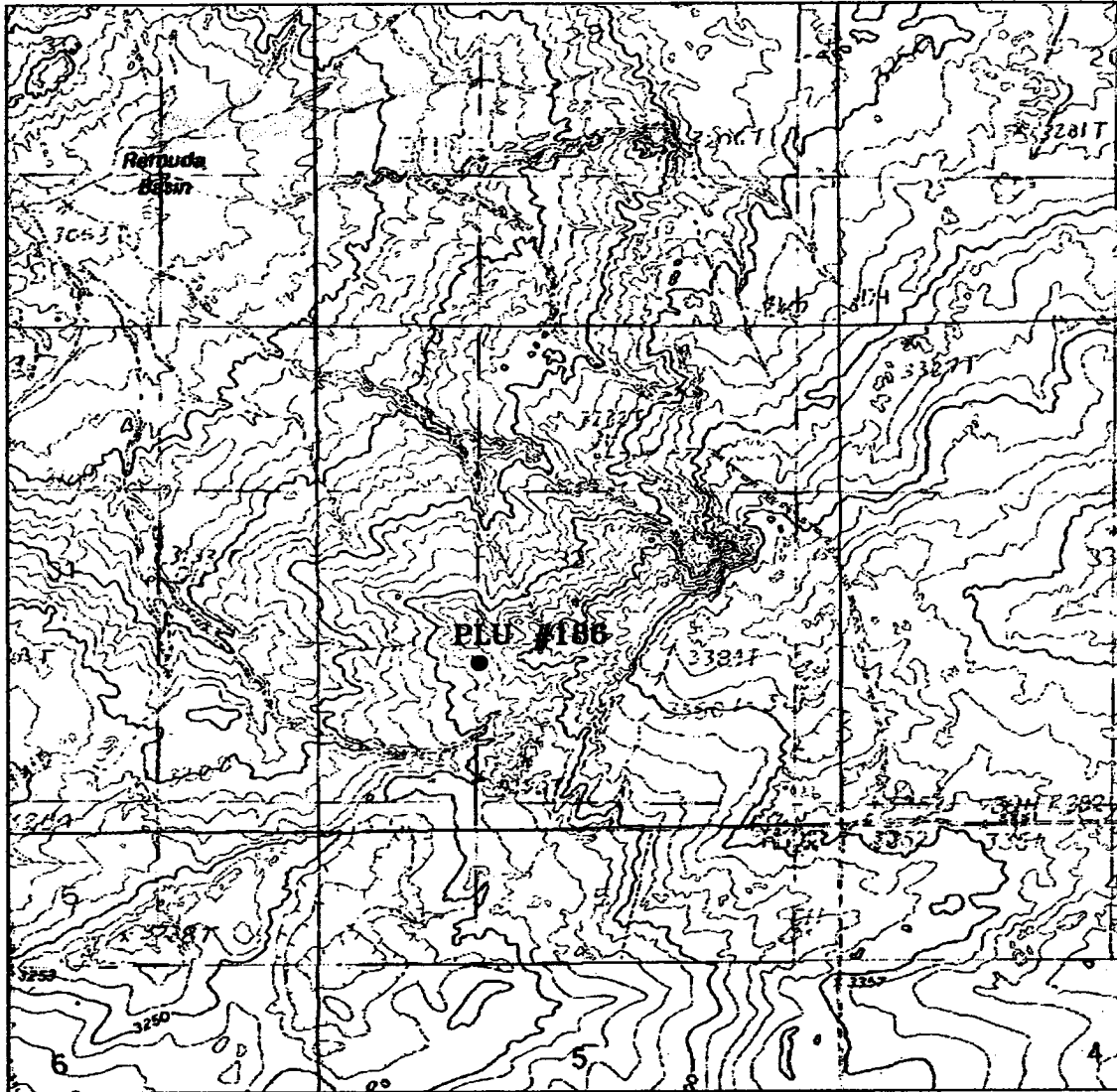


DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 128 & CO. RD. 793, GO SOUTH AND WEST ON CO. RD. 793 APPROX. 5.25 MILES TO A POINT ON THE PROPOSED LEASE ROAD.

BASS ENTERPRISES PRODUCTION CO.	
REF: Poker Lake Unit No. 186 / Well Pad Topo	
THE POKER LAKE UNIT No. 186 LOCATED 1750' FROM THE SOUTH LINE AND 1650' 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.O. Number: 1553	Drawn By: K. GOAD
Date: 06-24-2001	Disk: KJG CD#3 - 1552A.DWG



POKER LAKE UNIT #186
 Located at 1750' FSL and 1650' FWL
 Section 32, Township 23 South, Range 30 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

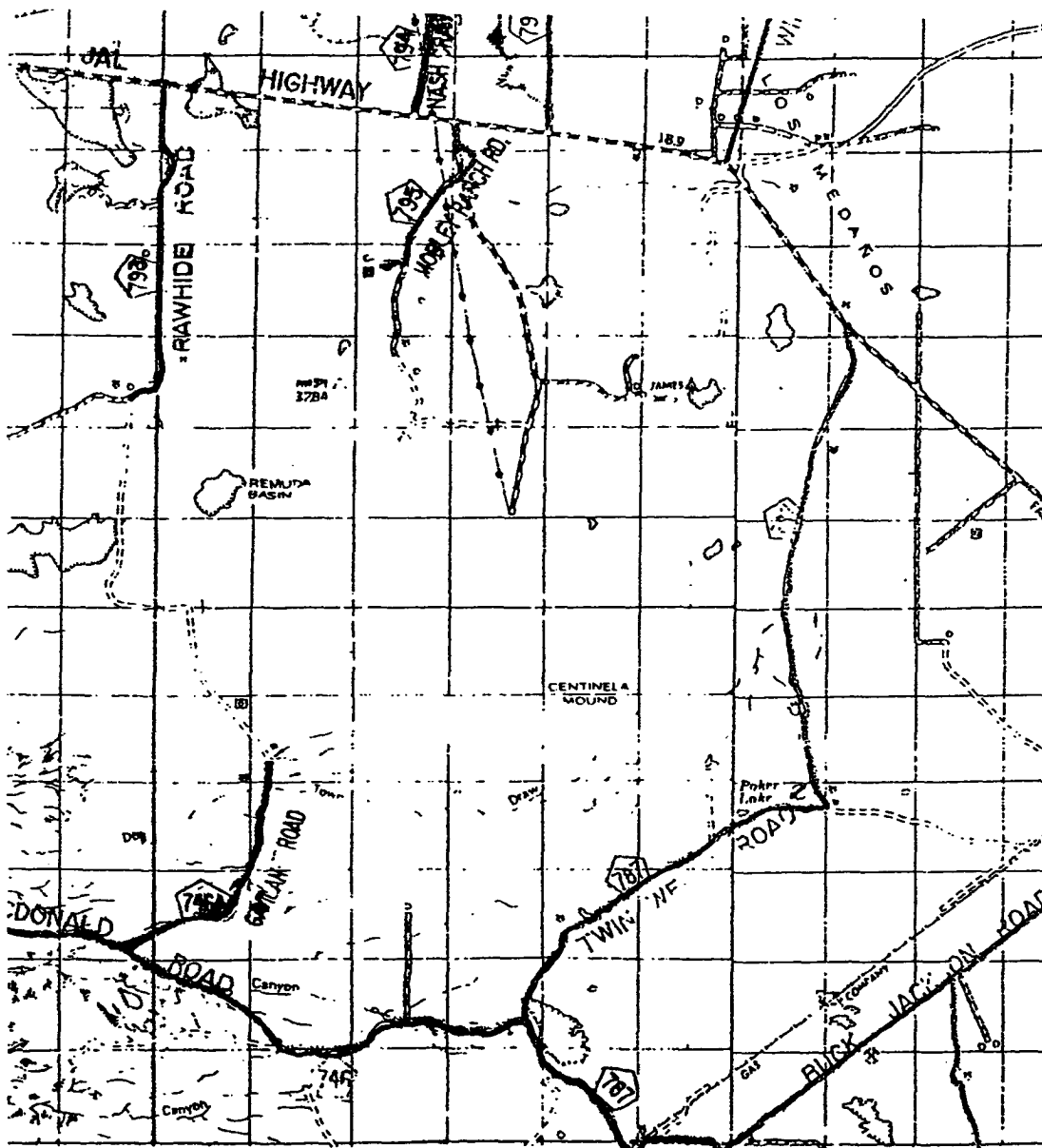
W.O. Number: 1552AA - KJG CD#3

Survey Date: 06-19-2001

Scale: 1" = 2000'

Date: 06-24-2001

**BASS ENTERPRISES
 PRODUCTION CO.**



POKER LAKE UNIT #186
 Located at 1750' FSL and 1650' FWL
 Section 32, Township 23 South, Range 30 East,
 N.M.P.M., Eddy County, New Mexico.

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 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basin-surveys.com

W.O. Number: 1552AA - KJG CD#3

Survey Date: 06-19-2001

Scale: 1" = 2 MILES

Date: 06-24-2001

**BASS ENTERPRISES
 PRODUCTION CO.**

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

NAME OF WELL: POKER LAKE UNIT #186

LEGAL DESCRIPTION - SURFACE: 1750' FSL & 1650' 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 3288' (est) GL 3270'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Salt	683'	+2605'	Barren
B/Salt	3388'	- 100'	Barren
T/Lamar	3593'	- 305'	Barren
T/Ramsey Sand	3633'	- 345'	Oil/Gas
T/ Lwr Brushy Canyon U Sand	7156'	-3868'	Oil/Gas
T/ Lwr Brushy Canyon Y Sand	7300'	-4012'	Oil/Gas
T/Bone Spring Lime	7431'	-4143'	Barren
TD	7680'	-4392'	

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
16"	0 - 40'	Conductor	New
8-5/8", 24#, J-55, LTC	0 - 625'	Surface	New
5-1/2", 15.5#, J-55, LTC	0 - 6500'	Production	New
5-1/2", 17#, J-55, LT&C	6500 - 7680'	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. A high pressure test (1000 psi) and 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 to insure that the preventers are operating correctly will be performed on each trip.

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' - 625'	FW Spud Mud	8.5 - 9.2	70-38	NC	NC	NC	10
625' - 5600'	Brine Water	9.8 - 10.2	28-30	NC	NC	NC	9.5-10.5
5600' - 7680'	Brine Wtr/Diesel Emulsion Mud	8.8 - 9.0	34-40	8	2	<25 cc	

**May increase vis for logging purposes only.*

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL-LDT-AIT from TD to base of salt (+/-3388).
GR-CNL CAL from Base of salt 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 - 325' (100% excess circ to surface)	141	325	Permian Basin Critical Zone + ¼ pps Flocele	10.4	12.8	1.90
Tail 325-625' (100% excess circ to surface)	183	300	Prem Plus + 2% CaCl ₂ + ¼ pps Flocele	6.33	14.8	1.35
PRODUCTION: Single stage w/ Zone Seal Cement.						
3133' - 7680' (+ 50% excess)						
Base Slurry	730	4547	Premium Plus + 2% Zone Sealant 2000	6.32	9.1-14.5	2.3-1.39

E) **DIRECTIONAL DRILLING**

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section. A BHP of 3244 psi (max) of MWE of 8.4 ppg is expected. Lost circulation may exist in the Delaware section from 5600-7680'. No H₂S is anticipated.

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**

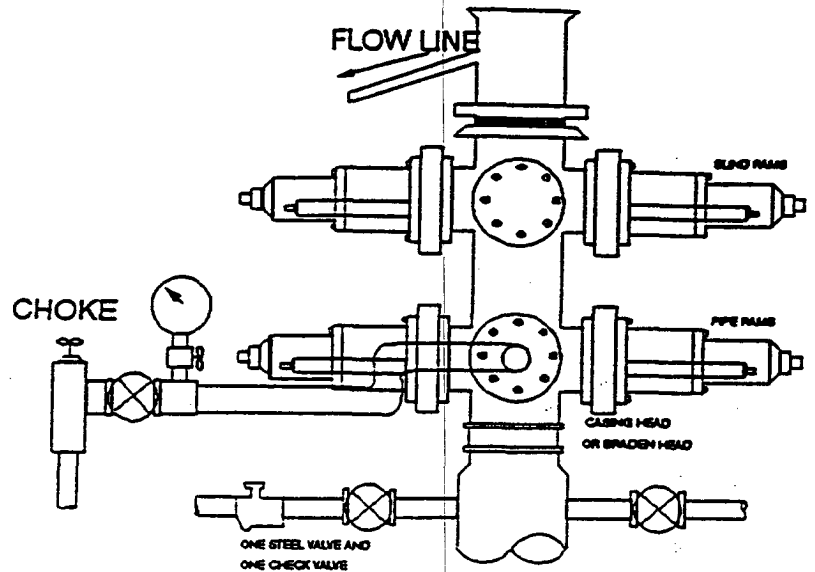
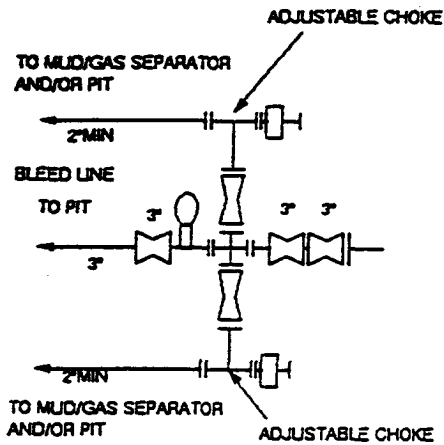
Upon approval

14 days drilling operations

10 days completion operations

BGH/cdg
August 19, 2004

2000 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.