

EC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

RECEIVED

SEP 29 2004

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

## APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
NMLC068431

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.  
NMNM71016X8. Lease Name and Well No.  
POKER LAKE UNIT 223

9. API Well No.

10. Field and Pool, or Exploratory  
NASH DRAW-DELAWARE

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 8 T24S R30E Mer NMP

12. County or Parish  
EDDY13. State  
NM

17. Spacing Unit dedicated to this well

40.00

20. BLM/BIA Bond No. on file

23. Estimated duration  
12 DAYS

## 24. Attachments

CARLSBAD CONTROLLED WATER BASIN

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  
(Electronic Submission)Name (Printed/Typed)  
CINDI GOODMANDate  
07/23/2004Title  
AUTHORIZED REPRESENTATIVE

Approved by (Signature)

Name (Printed/Typed)

Date  
21 SEP 2004ACTING  
STATE DIRECTOR

Office

NM STATE OFFICE

Application approval does not warrant or certify 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.

APPROVAL FOR 1 YEAR

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.

## Additional Operator Remarks (see next page)

Electronic Submission #33442 verified by the BLM Well Information System  
For BASS ENTERPRISES PRODUCTION CO, sent to the Carlsbad  
Committed to AFMSS for processing by ARMANDO LOPEZ on 07/26/2004 (04AL0278AE)APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

Witness Surface Casing.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**Additional Operator Remarks:**

Surface casing to be set into Rustler below all fresh water sands. Production casing will be cemented using Zone Seal Cement. Drilling Procedure, BOP Diagram, Anticipted tops & surface plans attached.

This well is located outside the Secretary's Potash area and outside the R-111 Potash area. There are no potash leases within 1 mile of this location.

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

## DISTRICT II

811 South First, Artesia, NM 88210

### DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

**Energy, Minerals and Natural Resources Department**

Form C-102

Revised March 17, 1999

**Submit to Appropriate District Office**

State Lease - 4 Copies

**Fee Lease - 3 Copies**

## OIL CONSERVATION DIVISION

**2040 South Pacheco**

**Santa Fe, New Mexico 87504-2088**

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		NASH DRAW (DELAWARE) FIELD
Property Code	Property Name	Well Number
001796	POKER LAKE UNIT	223
GRID No.	Operator Name	Elevation
001801	BASS ENTERPRISES PRODUCTION COMPANY	3198'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	24 S	30 E		660	SOUTH	810	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 I	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

40.58 AC.	40.61 AC.	40.58 AC.	40.56 AC.	<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  W.R. DANNELS Printed Name  DIVISION DRILLING SUPT. Title  <u>7/22/04</u> Date
40.57 AC.	40.60 AC.	40.57 AC.	40.53 AC.	
40.55 AC.	40.58 AC.	40.56 AC.	40.53 AC.	
	40.57 AC.	40.55 AC.	40.52 AC.	

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

Form C-144  
March 12, 2004

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

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐  
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <b>Bass Enterprises Production Co.</b>		Telephone: <b>(432)683-2277</b>	e-mail address: <b>cdgoodman@basspet.com</b>
Address: <b>P. O. Box 2760 Midland, TX 79702</b>			
Facility or well name: <b>POKER LAKE UNIT #223</b> API #: _____ U/L or Qtr/Qtr <b>SWSW</b> Sec <b>8</b> T <b>24S</b> R <b>30E</b>			
County: <b>EDDY</b> Latitude <b>32.13362</b> Longitude <b>103.54343</b> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>			
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <b>12</b> mil Clay <input type="checkbox"/> Volume <b>7300</b> bbl		<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)		Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)		Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)		Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
		<b>Ranking Score (Total Points)</b>	<b>0</b>

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MOCD-ARTESIA

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location:

onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described 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 ☐.

Date: **09/23/2004**

Printed Name/Title **Cindi Goodman Production Clerk**

Signature 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Date: **SEP 28 2004**

Gerry Guye

Printed Name/Title

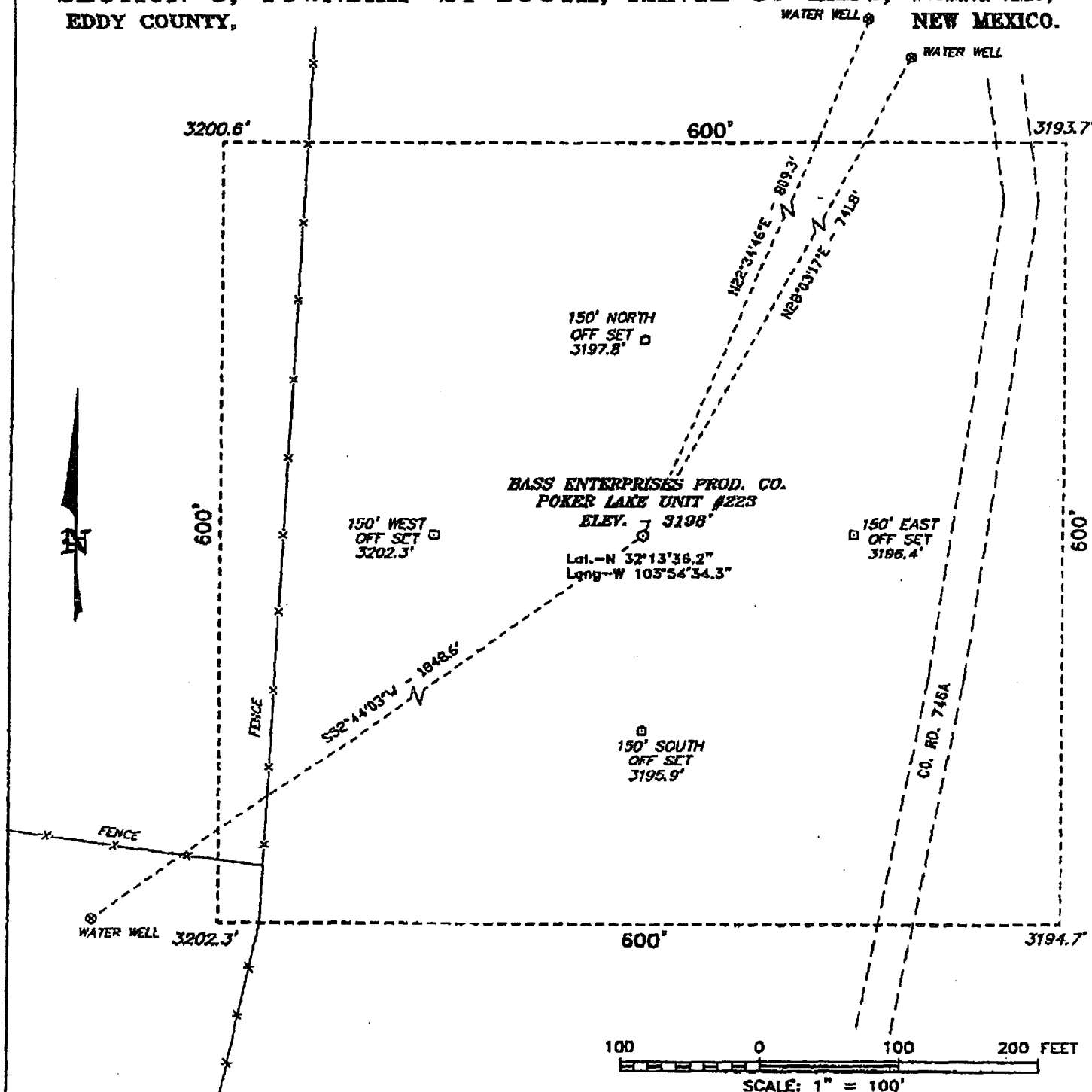
Compliance Officer

Signature 

Jul 21 04 08:15a

P. 2

# SECTION 8, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.



## DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF CO. RD. 746A AND CO. RD. 748, GO EASTERLY ON CO. RD. 746A FOR APPROX. 1.0 MILE AND NORTHERLY FOR APPROX. 2.0 MILES TO A POINT ON THE PROPOSED WELL PAD.

100 0 100 200 FEET

SCALE: 1" = 100'

## BASS ENTERPRISES PRODUCTION CO.

REF: POKER LAKE UNIT No. 223 / Well Pad Topo

THE POKER LAKE UNIT No. 223 LOCATED 660' FROM  
THE SOUTH LINE AND 810' FROM THE WEST LINE OF  
SECTION 8, TOWNSHIP 24 SOUTH, RANGE 30 EAST,

N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 4150

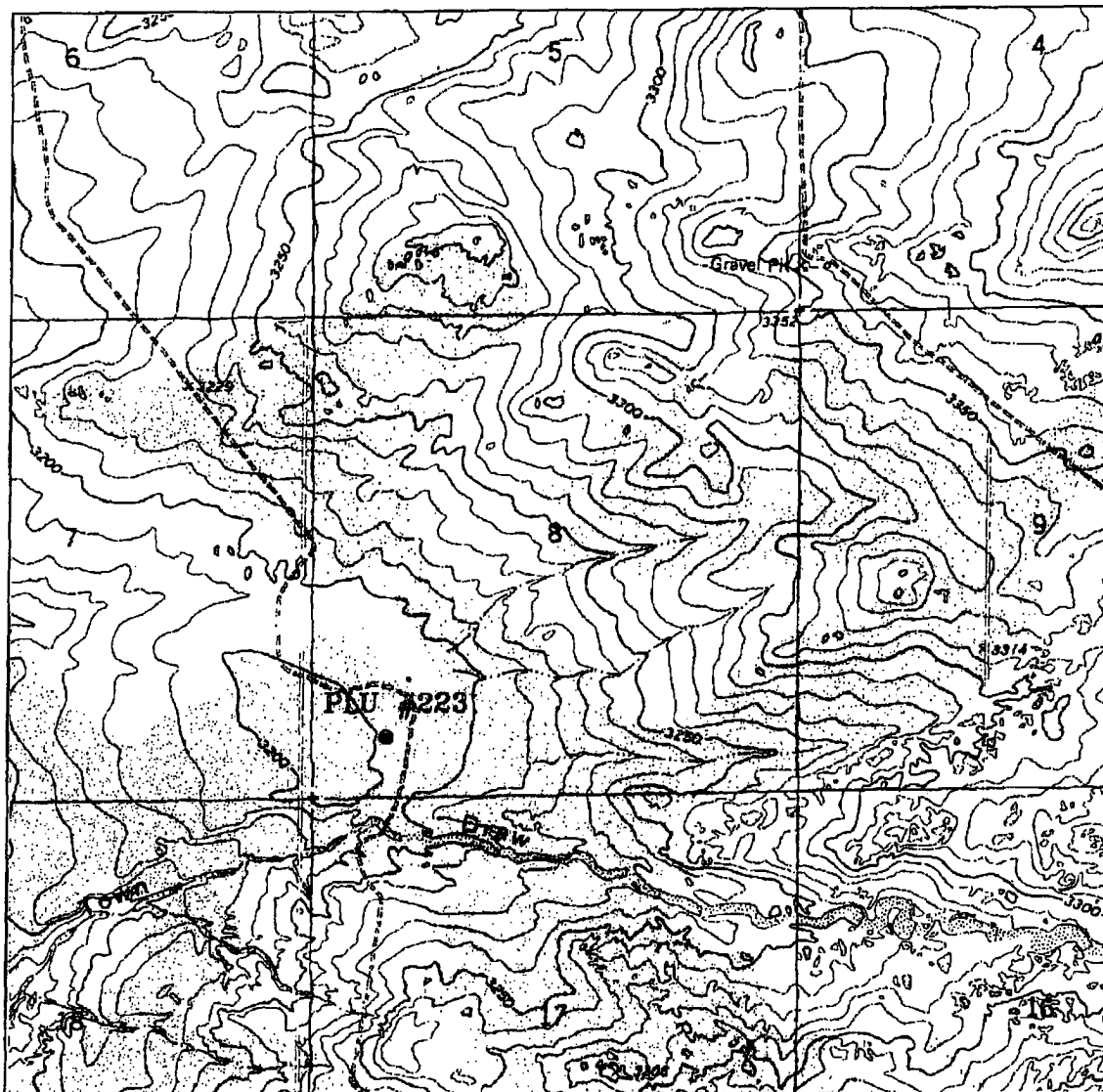
Drawn By: K. GOAD

Date: 04-30-2004

Disk: KJG CD#7 - 4150A.DWG

Survey Date: 04-27-2004

Sheet 1 of 1 Sheets

**POKER LAKE UNIT #223**

Located at 660' FSL and 810' FWL

Section 8, Township 24 South, Range 30 East,  
N.M.P.M., Eddy County, New Mexico.**basin  
surveys**focused on excellence  
in the oilfieldP.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: 4150AA - KJG #7

Survey Date: 04-27-2004

Scale: 1" = 2000'

Date: 04-30-2004

**BASS ENTERPRISES  
PRODUCTION CO.**



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

**NAME OF WELL: Poker Lake Unit #223**

**LEGAL DESCRIPTION - SURFACE: 660' FSL & 810' FWL, Section 8, 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 3218' (est) GL 3198'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	628'	+2590'	Barren
T/Salt	1263'	+1955'	Barren
T/Ramsey Sand	3541'	-323'	Oil/Gas
T/Lwr Brushy Canyon "8" A	7058'	-3480'	Oil/Gas
T/Bone Spring	7318'	-4120'	Oil/Gas
TD	7730'	-4512'	

**POINT 3: CASING PROGRAM**

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
16"	0'- 40'	Conductor	Contractor Discretion
8-5/8", 28#, J-55, LT&C	0'- 1200'	Surface	New
5-1/2", 15.5#, J-55, LT&C	0'- 6300'	Production	New
5-1/2", 17#, J-55, LT&C	6300'- 7730'	Production	New

WITNESS

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

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 70% of internal yield pressure of casing. In addition to the high 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 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' - 1200'	FW Spud Mud	8.5 - 9.2	70-38	NC	NC	NC	10.0
1200' - 5600'	Brine Water	9.8 -10.2	28-30	NC	NC	NC	9.5-10.5
5600' - TD'	Brine Water/Diesel	8.8 - 9.0	32-40	8	2	<25 cc	9.5 - 10.0

*\*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 (+/- 3300').  
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>FT<sup>3</sup>/SX</u>		
<b>SURFACE:</b>								
Lead 0 - 870' (100% excess circ to surface)	400	870	Pemian Basin Critical Zone + 1/2# Flocele	10.4	12.8	1.90		
Tail 870'-1200' (100% excess circ to surface)	200	330	Prem Plus + 2% CaCl <sub>2</sub> + 1/2# Flocele	6.33	14.8	1.35		
<b>PRODUCTION:</b>							<b>COMPRESSIVE</b>	
							<b>Nitrogen</b>	<b>Strength</b>
Base Slurry w/nitrogen 3043-7730' + (50% excess)	775	4687	Premium Plus + 2% Zone Sealant 2000	6.32	9.1-14.5	2.3-1.39	300/600 scf/bbl	1200

**E) DIRECTIONAL DRILLING**

No directional services anticipated.

**POINT 7: ANTICIPATED RESERVOIR CONDITIONS**

Normal pressures are anticipated throughout Delaware section. A BHP of 3285 psi (max) or MWE of 8.7 ppg is expected. Lost circulation may exist in the Delaware Section from 3513-7340'. No H<sub>2</sub>S is anticipated.

**POINT 9: WELL SITE LAYOUT – Cont'd...**

Page 4

**B) Locations of Pits and Access Road**

See Exhibits "B", "C" & "D".

**C) Lining of the Pits**

The reserve pit will be lined with plastic.

**POINT 10: PLANS FOR RESTORATION OF THE SURFACE****A) Reserve Pit Cleanup**

The pits will be fenced immediately after construction and shall be maintained until they are backfilled. Previous to backfill operations, any hydrocarbon material on the pits' surfaces shall be removed. The fluids and solids contained in the pits shall be backfilled with soil excavated from the site and soil adjacent to the reserve pits. The restored surface of the pits shall be contoured to prevent impoundment of surface water flow. Water-bars will be constructed as needed to prevent excessive erosion. Topsoil, as available, shall be placed over the restored surface in a uniform layer. The area will be seeded according to the Bureau of Land Management stipulations during the appropriate season following restoration.

**B) Restoration Plans - Production Developed**

The reserve pits will be backfilled and restored as described above under Item A. In addition, those areas not required for production will be graded to blend with the surrounding topography. Topsoil, as available, will be placed upon those areas and seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

**C) Restoration Plans - No Production Developed**

The reserve pits will be restored as described above. With no production developed, the entire surface disturbed by construction of the well site will be restored. The site will be contoured to blend with the surrounding topography and provide drainage of surface water. The topsoil, as available, shall be replaced in a uniform layer and seeded according to the Bureau of Land Management's stipulations.

**D) Rehabilitation's Timetable**

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conditions allow economic execution of the work.

**POINT 12: OPERATOR'S FIELD REPRESENTATIVE**

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(Field personnel responsible for compliance with development plan for surface use).

**DRILLING**

William R. Dannels  
Box 2760  
Midland, Texas 79702  
(432) 683-2277

**PRODUCTION**

Mike Waygood  
3104 East Green Street  
Carlsbad, New Mexico 88220  
(505) 887-7329

Kent A. Adams  
Box 2760  
Midland, Texas 79702  
(432) 683-2277

**POINT 13: CERTIFICATION**

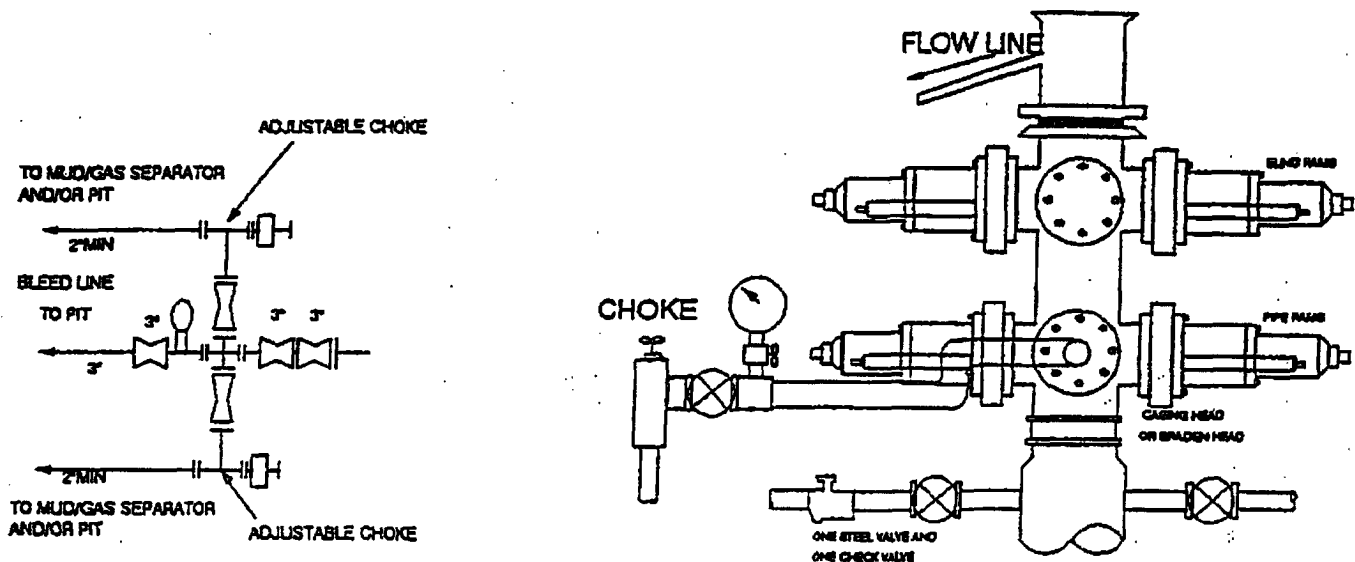
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bass Enterprises Production Co. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

7/23/04William R. Dannels  
William R. Dannels

WRD/cdg

# 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.

**BASS ENTERPRISES PRODUCTION COMPANY**  
**POKER LAKE UNIT WELLS RESERVE PIT DIMENSIONS**