Form 3160-3 (August 1999) EC

## **OCD-ARTESIA**

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 2 9 2004

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

5.	Lease Serial No.	
	NMLC068431	

APPLICATION FOR PERMIT TO DRILL OR REENTER  1s. Type of Work: DRILL REENTER  CONFIDENTIAL  1s. Type of Work: DRILL REENTER  CONFIDENTIAL  Name and No. Name and N	_		NIVIECU00431
10. Type of Well:	APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe Name
1b. Type of Well: 20 Oil Well Gas Well Grotter September 10 Other 20 Single Zone Multiple Zone 9. API Well No. 2. Name of Operator Andrews Pose of Contact: CINIG GOODMAN BASS ENTERPRISES PRODUCTION CO E-Mait: dopodoman@basspet.com 3.4. Address Pos September 10 Other Pos Box 2760 Ph. 432.683.2271 Ph. 432.683.2271 Ph. 432.683.2272 NaSH DRAW-DELAWARE Pos Box 2760 Ph. 432.683.2271 Ph. 432.683.2272 NaSH DRAW-DELAWARE Pos Box 2760 Ph. 432.683.2271 Ph. 432.683.2271 NaSH DRAW-DELAWARE Pos Box 2760 Ph. 432.683.2271 Ph. 432.683.2372 NaSH DRAW-DELAWARE Pos Box 2760 Ph. 432.683.43 W Lon At proposed prod. zone SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon At proposed prod. zone SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon Pos Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos Pos Box 2760 Ph. 432.683.2372 N Lat, 103.54343 W Lon Pos	1a. Type of Work: ☑ DRILL ☐ REENTER	CONFIDENTIAL	
2. Name of Operator BASS ENTERPRISES PRODUCTION CO BASS ENTERPRISES PRODUCTION COLOR ENGINEERS.  11. Sec. T. R., M. or BIK and Survey or An Assurance with A MP STAS ENGINEERS.  12. County or Parish BASS ENTERPRISES PRODUCTION COLOR ENGINEERS.  13. State requirements.*  14. Sec. Sec. 8 1248 R30E Mer NMP  15. Sec. 8 1248 R30E Mer NMP  16. Neac Engineers.*  17. Spacing Unit dedicated to this well  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  21. Estimated duration  12. DAYS  22. Estimated duration  12. DAYS  23. Estimated duration  12. DAYS  24. Attachments  12. County or	1h Type of Well: Ra Oil Well Ras Well R	ther Single Zone — Multiple Zone	Lease Name and Well No.     POKER LAKE UNIT 223
BASS ENTERPRISES PRODUCTION CO  E-Mail: capoordana@besspet.com  30 - 0/5 - 33 (4)  31 - Phone No. (include area code) Ph. 432.683.2277 Ph. 432.687.0329  At surface At surface SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon At proposed prod. zone SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon At proposed prod. zone SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon  14. Distance in miles and direction from nearest town or post office* SECRETARY'S POTASH SECRETARY'S POTASH SECRETARY'S POTASH 17. Spacing Unit dedicated to this well eleast line, ft. (Also to nearest drig. unit line, if any) 660' 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1170' 21. Elevations (Show whether DF, KB, RT, GL, etc. 3198 GL  22. Approximate date work will start 10/01/2004  24. Attachments CARLSBAD CONTROLLED WATER BASIN he following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Boald to cover the accordance to the operations unless covered by an existing bond on file (see Light of the proposed surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO Shall be filed with the appropriate Forest Service Office).  Name (Printed/Typed)  25. Signature (Electronic Submission)  Name (Printed/Typed)  Name (Printed/	<del>-</del>	<del>-</del>	9. API Well No.
P.D. BOX 2760 MIDLAND, TX 79702  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  4. Location of Well (Report location flown nearest town or post office.*  At surface SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon  4. Proposed prod. zone SWSW Lot M 660FSL 810FWL 32.13362 N Lat, 103.54343 W Lon  4. Location of Well (Report location from nearest town or post office.*  5. ECRETARY'S POTASH  5. County or Parish EDDY NM  13. State EDDY II. Spacing Unit dedicated to this well EDDY Location from proposed location to nearest drig. unit line, if any)  660'  18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.  1730 MD 7730 IVD  21. Elevations (Show whether DF, KB, RT, GL, etc. 22. Approximate date work will start 10/01/2004  24. Attachments CARLSBAD CONTROLLED WATER BASIN he following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  4. Bond to cover the operation sunless covered by an existing bond on file (see Electronic Submission)  6. Such other site specific information and/or plans as may be required by the authorized officer.  7. Signature (Electronic Submission)  7. Name (Printed/Typed)  8. Mame (Printed/Typed)  8. MSTATE OFFICE  9. MSTATE OFFICE	BASS ENTERPRISES PRODUCTION CO		30-016-33(4)
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(Electronic Submission)  CINDI GOODMAN  07/23/2004  Fitle AUTHORIZED REPRESENTATIVE  Approved by (Signature)  Name (Printed/Typed)  Office  NM STATE OFFICE  Plication 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 trations thereon.  Inditions of approval, if any, are attached.  APPROVAL FOR 1 YEAR  Let 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.		authorized officer.	
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		make it a grime for any names Imaginaly and willfully to	make to any department or agency of the United

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 \*\*

#### **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, Anticiapted 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.

State of New Mexico

**BEPCO** 

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

☐ AMENDED REPORT

Fee Lease - 3 Copies

811 South First, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

1625 N. French Dr., Hobbs, NM 88240

DISTRICT I

DISTRICT II

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

#### OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code Pool Na NASH DRAW (DELAWARE) FII	
Property Code	Property Name	Well Number 223
001796	POKER LAKE UNIT	Elevation
001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY	3198'

Surface Location

J	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 ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or	infill Co	nsolidation (	Code Or	ler 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

		<del></del>		
				OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
40.58 AC.	40.61 AC.	40.58 AC.	40.56 AC.	Signature R. Dannel
	       		 	W.R. DANNELS  Printed Name  DIVISION DRILLING SUPT.  Title  1 22 64  Date
40.57 AC.	40.80 AC.	40.57 AC.	40.53 AC.	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 supervison and that the same is true and correct to the best of my belief.
				APRIL 27, 2004
40.55 AC.	40.58 AC.	40.56 AC.	40.53 AC.	Signature & Beal of ONA- Professional Surregor
200 8 / 193	    LAT			30 No. 41 30
32/52.37 8 3/94.41 48.5 N ASP. X	40.57 AC.	40.55 AC.	40.52 AC.	Certifica Alo. Cort. Mores 7977  Basin Servers

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 1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico **Energy Minerals and Natural Resources**

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

Form C-144

March 12, 2004

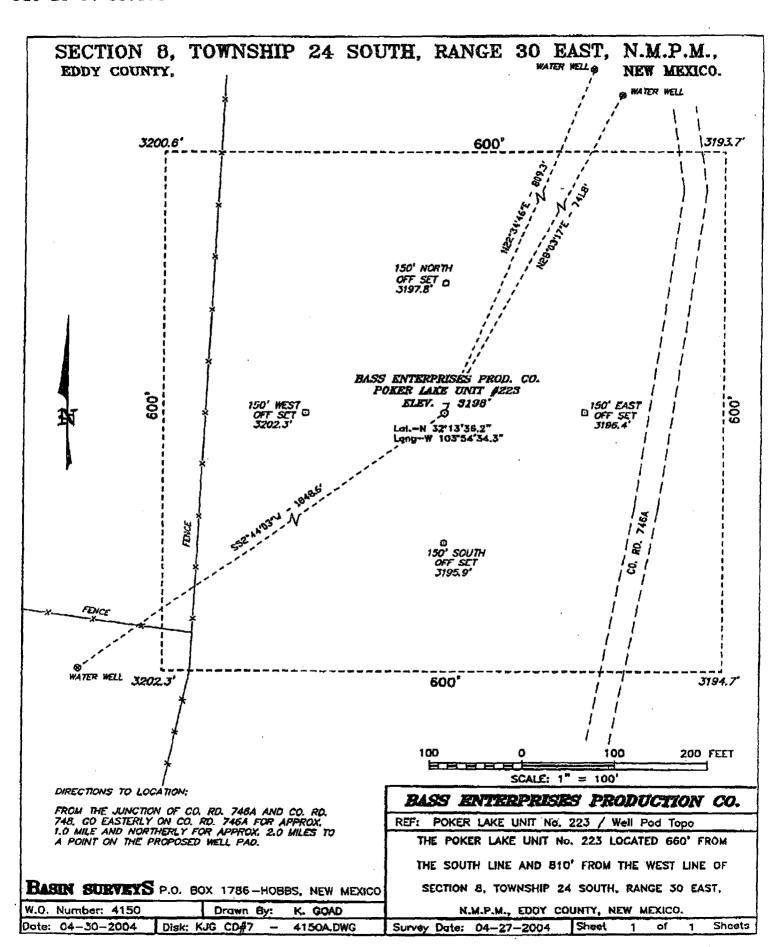
office

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

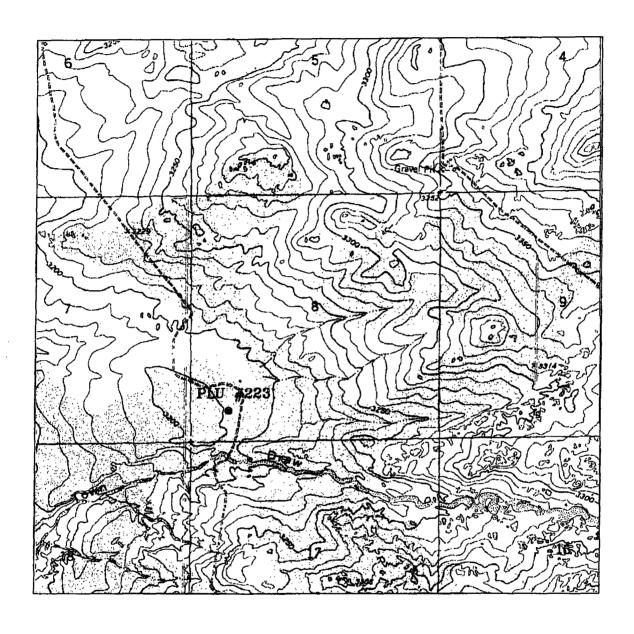
Is pit or below-grade tank covered by a "general plan"? Yes X No Type of action: Registration of a pit or below-grade tank X Closure of a pit or below-gradetank

<u></u>	
Operator: Bass Enterprises Production Co.	Telephone: (432)683-2277 e-mail address: cdgoodman@basspet.con
Address: P. O. Box 2760 Midland, TX 79702	
Facility or well name: POKER LAKE UNIT #223 API #:	U/Lor Qtr/Qtr SWSWSec_8 T 24S_R 30E
County: EDDY Latitude 32.13362 Longitude 103	3.54343 NAD: 1927 1983 X Surface Owner Federal X State Private Indian
Pit	Below-gradetank
Type: Drilling 🛛 Production 🗌 Disposal 🗍	Volume:bbl Type of fluid:
Workover ☐ Emergency ☐	Constructionmaterial:
Lined [X] Unlined [	Double-walled, with leak detection? Yes  If not, explain why not.
Liner type: Synthetic   Thickness 12 mil Clay   Volume	100 🖰 11 100, 0.1
7300 bbl	Drom
7300 001	RECEIVED
Depth to ground water (vertical distance from bottom of pit to seasonal high	Less than 50 feet (20 points)  50 feet or more, but less than 100 feet (10 points)
water elevation of ground water.)	
,	100 feet or more ( 0 points)
7 1 2005	Yes (20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	No (Opoints)
water source, or less than 1000 feet from all other water sources.)	( o points)
	Less than 200 feet (20 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet (10 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more ( 0 points)
	(Oponia)
	Ranking Score (Total Points)
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 from If offsite, name of facility	(3) Attach a general description of remedial action taken including remediation start date and en
•	w ground surfaceftand attachsample results. (5) Attach soil sample results and a
diagram of sample locations and excavations.	reality attaches and a
•	
I hereby certify that the informationabove is true and complete to the best of r been/will be constructed or closed according to NMOCD guidelines , a Date: 09/23/2004	my knowledge and belief. I further certify that the above-described pit or below-gradetank has general permit , or an (attached) alternative OCD-approvedplan .
Printed Name/Title Cindi Goodman Production Clerk	Signature Circl
	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 2 8 2004 Gerry Guye	Don Dum
Printed Name/Title Compliance Offices	Signature / USA Signature
- Combigue Curce.	
	/ '
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**BEPCO** 



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.

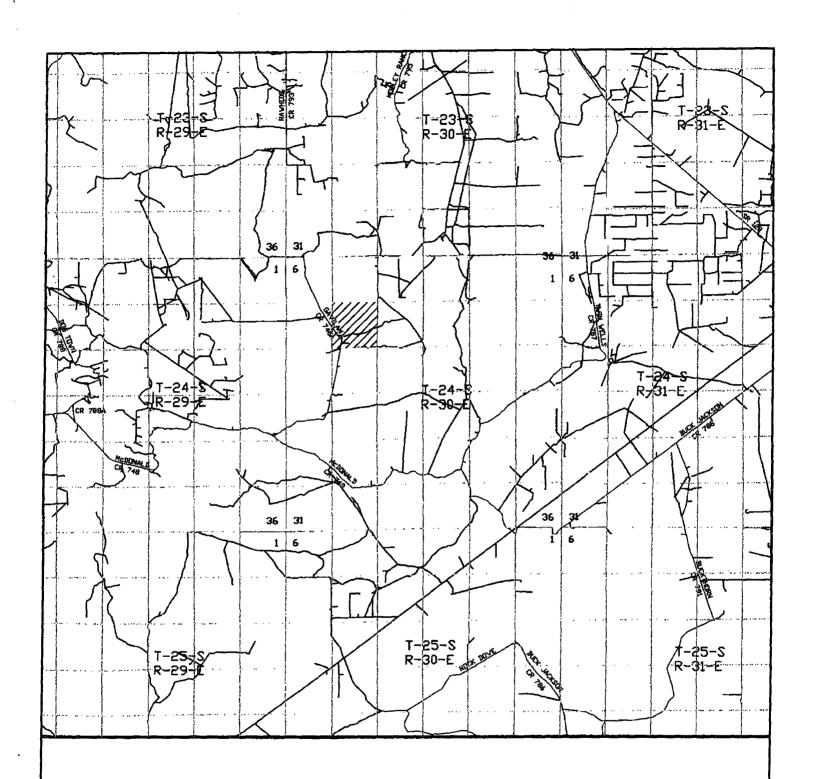


P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com W.O. Number: 4150AA - KJG #7

Survey Date: 04-27-2004

Scale: 1" = 2000'
Date: 04-30-2004

BASS ENTERPRISES PRODUCTION CO.



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.

Date: 04-30-2004



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:	4150AA - KJG #7
Survey Date:	04-27-2004 ,
Scole: 1" = 2	MILES

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'

FORMATION	ESTIMATED TOP FROM KB	ESTIMATED SUBSEA TOP	BEARING
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**

TYPE		INTERVALS	<u>PURPOSE</u>	CONDITION
16"	WITNESS	0'- 40'	Conductor	Contractor Discretion
8-5/8", 28#, J-55, LT&C	WILLIADOD	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

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

A BOP equivalent to Diagram 1 will be nippled 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.

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#### **POINT 5: MUD PROGRAM**

DEPTH	MUD TYPE	WEIGHT	_FV_	PV	YP	FL	<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/Diese	8.8 - 9.0	32-40	8	2	<25 cc	9.5 - 10.0

<sup>\*</sup>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

INTERVAL SURFACE:	AMOUNT SXS	FT OF	ТҮРЕ	GALS/SX	PPG	FT³/SX		
Lead 0 - 870' (100% excess circ to surface)	400	870	Permian Basin Critical Zone + 1/# Flocele	10.4	12.8	1.90		
Tail 870'-1200' (100% excess circ to surface)	200	330	Prem Plus + 2% CaCl <sub>2</sub> + ½# Flocele	6.33	14.8	1.35		
PRODUCTION:							COMPRI Nitrogen	ESSIVE Strength
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>s</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**

Page 6

(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**

7/23/04

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.

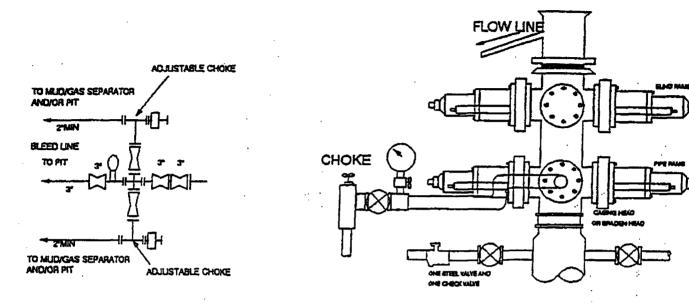
Date

WRD/cdg

William R. Dannels

# 2000 PSI WP

**BEPCO** 



#### 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.

→ PAULA

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

