

F-05-08

EC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

MAY 06 2005

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM02860
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BASS ENTERPRISES PRODUCTION CO. Contact: CINDI GOODMAN BASSP@BASSPET.COM		7. If Unit or CA Agreement, Name and No. NMNM71016X
3a. Address P O BOX 2760 MIDLAND, TX 79702		8. Lease Name and Well No. POKER LAKE UNIT 224
3b. Phone No. (include area code) Ph: 432-683-2277		9. API Well No. 30-015-34108
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNW Lot D 860FNL 990FWL 31.13217 N Lat, 103.54323 W Lon At proposed prod. zone NWNW Lot D 860FNL 990FWL 31.13217 N Lat, 103.54323 W Lon		10. Field and Pool, or Exploratory NASH DRAW-DELAWARE
14. Distance in miles and direction from nearest town or post office* 14 MILES EAST OF MALAGA NM SECRETARY'S POTASH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 17 T24S R30E Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 860'	16. No. of Acres in Lease 2520.68	12. County or Parish EDDY
17. Spacing Unit dedicated to this well 40.00	13. State NM	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1340'	19. Proposed Depth 7679 MD 7679 TVD	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3205 GL	22. Approximate date work will start 05/01/2005	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 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 GOODMAN Ph: 432-683-2277	Date 03/14/2005
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) /s/ Jesse J. Juen	Name (Printed/Typed) /s/ Jesse J. Juen	Date MAY - 2 2005
Title ACTING 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 #54870 verified by the BLM Well Information System
For BASS ENTERPRISES PRODUCTION CO, sent to the Carlsbad
Committed to AFMSS for processing by LINDA ASKWIG on 03/15/2005 (05LA0502AE)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Witness Surface Casing

Salt, 29.5

Operator Remarks:

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

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

DISTRICT I
French Dr., Hobbs, NM 88240
DISTRICT II
11 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

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 47545	Pool Name NASH DRAW DELAWARE
Property Code 001796	Property Name POKER LAKE UNIT	Well Number 224
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY	Elevation 3205'

Surface Location

UL or lot No. D	Section 17	Township 24 S	Range 30 E	Lot Idn	Feet from the 860	North/South line NORTH	Feet from the 990	East/West line WEST	County EDDY
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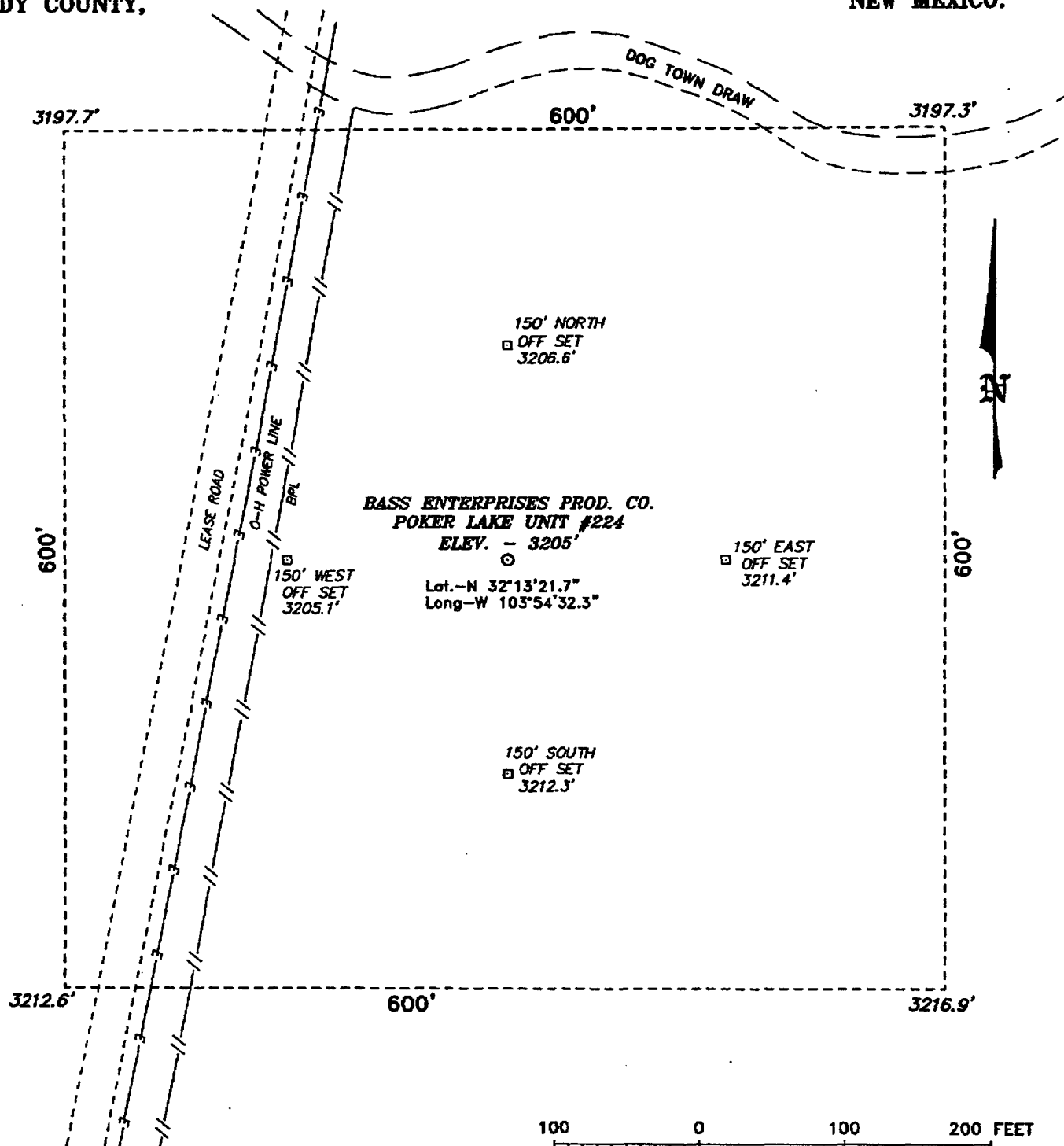
Bottom Hole Location If Different From Surface

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

					OPERATOR CERTIFICATION 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 3/5/05 Date	
					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 belief. NOVEMBER 24, 2004 Date Surveyed Signature of Seal of Professional Surveyor W.C. No. 47545 Certificate No. Gary L. Jones 7977 BASS SURVEYS	

SECTION 17, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF CO. R. 793 AND STATE HWY 128, GO SOUTH ON 793 FOR APPROX. 4.0 MILES TO LEASE ROAD; THENCE EAST ON LEASE ROAD FOR 0.25 MILE; THENCE SOUTH 0.9 MILE; THENCE EAST 0.3 MILE; THENCE SOUTHERLY FOR APPROX. 3.7 MILES TO LOCATION.

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

BASS ENTERPRISES PRODUCTION CO.

REF: POKER LAKE UNIT No. 224 / Well Pad Topo

THE POKER LAKE UNIT No. 224 LOCATED 860' FROM
THE NORTH LINE AND 990' FROM THE WEST LINE OF
SECTION 17, TOWNSHIP 24 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 4780

Drawn By: K. GOAD

Date: 11-29-2004

Disk: KJG CD#7 - 4780A.DWG

Survey Date: 11-24-2004

Sheet 1 of 1 Sheets

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

NAME OF WELL: Poker Lake Unit #224

LEGAL DESCRIPTION - SURFACE: 860' FNL & 990' FWL, Section 17, 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 3225' (est) GL 3205'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	735'	+2490'	Barren
T/Salt	1370'	+1855'	Barren
T/Ramsey Sand	3545'	-320	Oil/Gas
T/Lwr Brushy Canyon "8" A	7068'	-3843'	Oil/Gas
T/Bone Spring	7345'	-4120'	Oil/Gas
TD	7679'	-4454'	

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' - 1320'	Surface	New
5-1/2", 15.5#, J-55, LT&C	0' - 6300'	Production	New
5-1/2", 17#, J-55, LT&C	6300' - 7679'	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' - 1320'	FW Spud Mud	8.5 - 9.2	70-38	NC	NC	NC	10.0
1320' - 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 (+/- 3200').
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 -1020' (100% excess circ to surface)	450	1020	Permian Basin Critical Zone + 1/2# Flocele	10.4	12.8	1.90		
Tail 1020'-1320' (100% excess circ to surface)	200	300	Prem Plus + 2% CaCl ₂ + 1/2# Flocele	6.33	14.8	1.35		
PRODUCTION:							COMPRESSIVE Nitrogen Strength	
Base Slurry w/nitrogen 3036-7679' + (50% excess)	775	4643	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 3545-7345'. No H₂S is anticipated.

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: Poker Lake Unit #224

LEGAL DESCRIPTION - SURFACE: 860' FNL & 990' FWL, Section 17, T-24-S, R-30-E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit A and Survey Plats

B) Existing Roads:

From Carlsbad, New Mexico, go 8 miles south on Highway 285 to Highway 31. Turn north and go 7 miles on Highway 31. Turn east on Highway 128 and go 4 miles to Rawhide Road (located between mile markers 4 and 5). Turn southeast onto Rawhide Road and go approximately 9.25 miles southerly.

C) Existing Road Maintenance or Improvement Plan:

See Exhibits A, C and Survey Plats.

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

No new road is required. The location is adjacent to an existing road.

B) Width

Not applicable.

C) Maximum Grade

Not applicable.

D) Turnout Ditches

Not applicable.

E) Culverts, Cattle Guards, and Surfacing Equipment

If required, culverts and cattle guards will be set per BLM Specs.

POINT 3: LOCATION OF EXISTING WELLS

Exhibit B indicates existing wells within the surrounding area.

POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

Page 2

A) Existing facilities within one mile owned or controlled by lessee/operator:

Oil/Gas production facilities are located at PLU #213 wellsite.

B) New Facilities in the Event of Production:

Existing production facilities at PLU #213 will be used via flowlines. Additional separators/treaters will be added as necessary. A new flowline consisting of 2-7/8 steel pipe, will be laid within 50' of the center line of the access road and existing roads which have previously been Arch cleared.

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

Following flowline construction, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in with the surrounding topography (see Point 10)

POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Fresh water will be hauled from Johnson Station 50 miles east of Carlsbad, New Mexico or other commercial facilities. Brine water will be hauled from commercial facilities.

B) Water Transportation System

Water hauling to the location will be over the existing and proposed roads.

POINT 6: SOURCE OF CONSTRUCTION MATERIALS

A) Materials

Exhibit A shows location of caliche source.

B) Land Ownership

Federally Owned.

C) Materials Foreign to the Site

No construction materials foreign to this area are anticipated for this drill site.

D) Access Roads

See Exhibit A & C.

POINT 7: METHODS FOR HANDLING WASTE MATERIAL

Page 3

A) Cuttings

Cuttings will be contained in the reserve pit.

B) Drilling Fluids

Drilling fluids will be contained in the reserve pit.

C) Produced Fluids

Water production will be contained in the reserve pit.

Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks. Prior to cleanup operations, any hydrocarbon material in the reserve pit will be removed by skimming or burning as the situation would dictate.

D) Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with.

E) Garbage

Portable containers will be utilized for garbage disposal during the drilling of this well.

F) Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if electric log analysis indicate potential productive zones. The reserve pit will be fenced and bird netted. The fence will be maintained until the pit is backfilled. Reasonable cleanup will be performed prior to the final restoration of the site.

POINT 8: ANCILLARY FACILITIES

None required.

POINT 9: WELL SITE LAYOUT

A) Rig Orientation and Layout

Exhibits "D" shows the dimensions of the well pad and reserve pits, and the location of major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B) Locations of Pits and Access Road

See Exhibits "A" & "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 11: OTHER INFORMATION

Page 5

A) Terrain

Relatively flat.

B) Soil

Caliche and sand.

C) Vegetation

Sparse, primarily grasses and mesquite with very little grass.

D) Surface Use

Primarily grazing.

E) Surface Water

There are no ponds, lakes, streams or rivers within several miles of the wellsite.

F) Water Wells

There are three water wells located near Poker Lake Unit #224. The nearest well is 1250' West (See exhibit "C") and produces water from an estimated depth of 186'.

G) Residences and Buildings

None in the immediate vicinity.

H) Historical Sites

None observed.

I) Archeological Resources

An archeological survey will be obtained for this area. Before any construction begins, a full and complete archeological survey will be submitted to the Bureau of Land Management. Any location or construction conflicts will be resolved before construction begins.

J) Surface Ownership

The well site is on federally owned land.

K) Well signs will be posted at the drilling site.

L) Open Pits

All pits containing liquid or mud will be fenced and bird-netted.

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

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.

3/5/05

Date

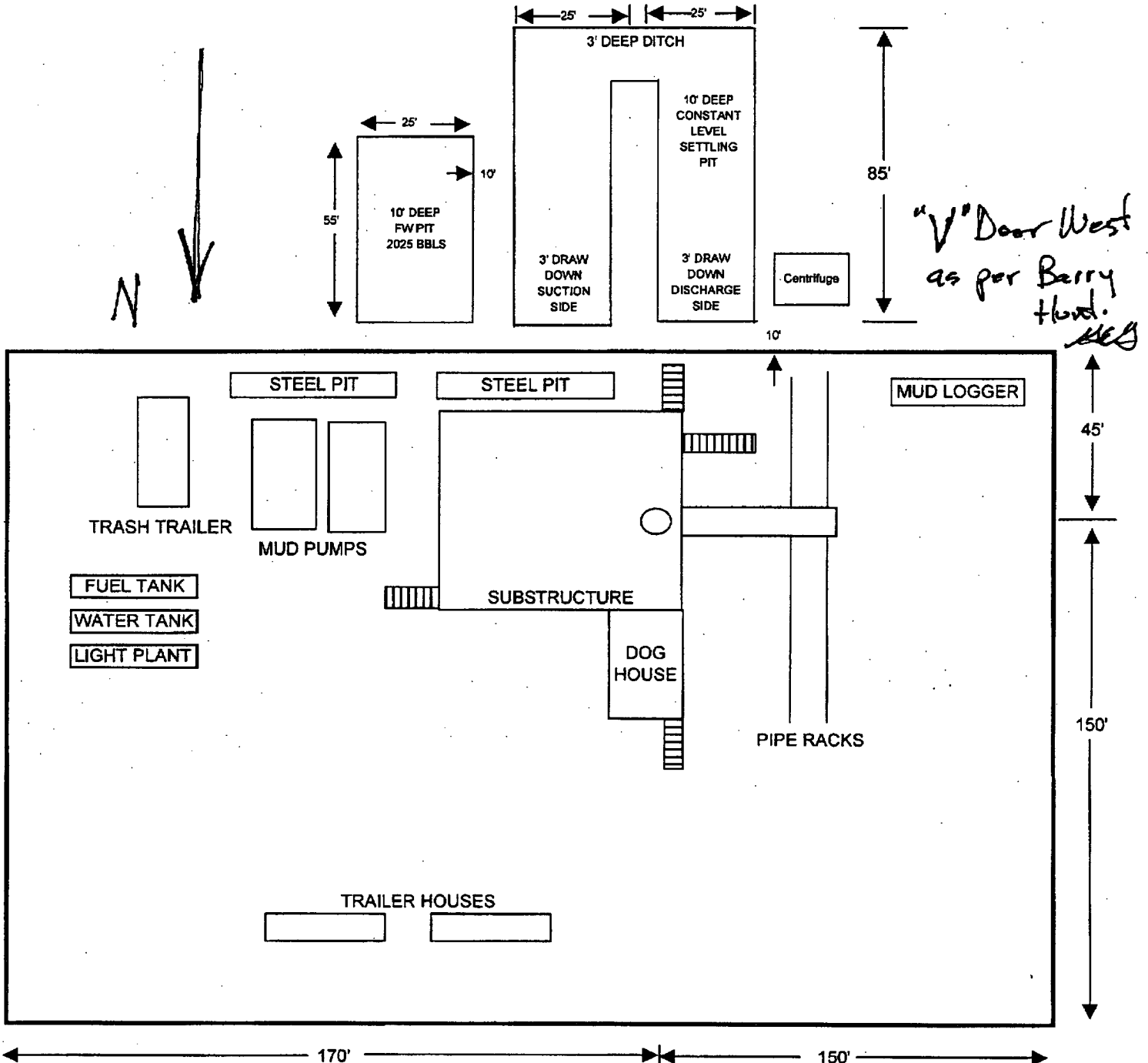
William R. Dannels

William R. Dannels

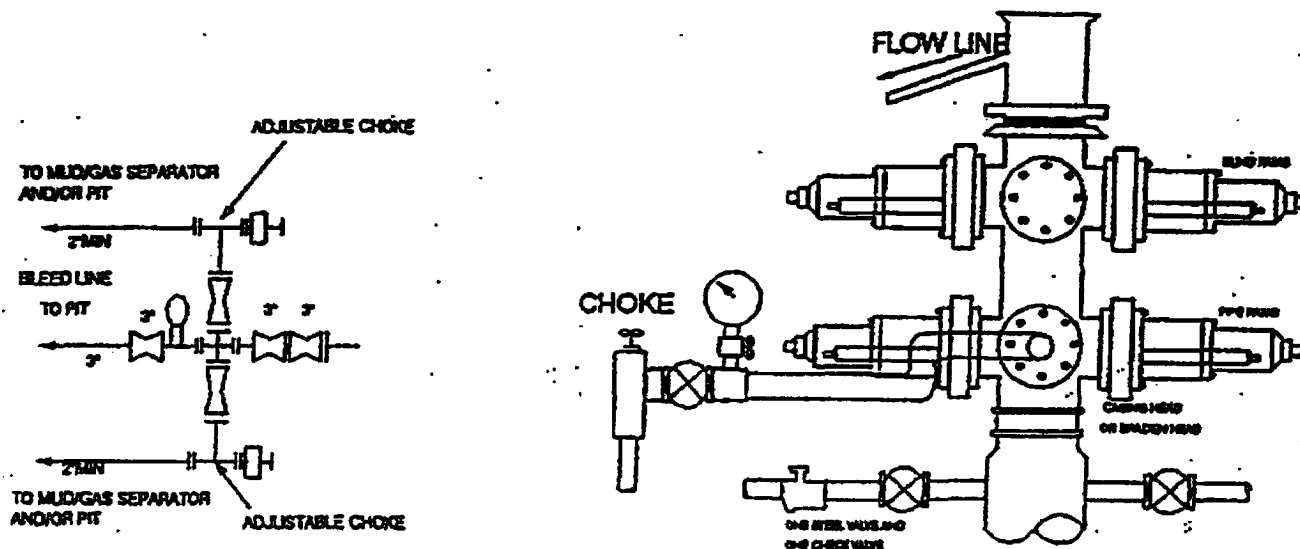
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**Bass Enterprises Production Company
Grey Wolf Rig 15
Well Pad
Reserve Pit Diagram**

EXHIBIT "D"



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.

DIAGRAM 1