

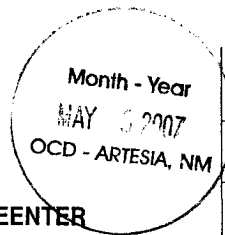
# SECRETARY'S POTASH OCD-ARTESIA

ATS-07-329  
EH-07-589

Form 3160-3  
(April 2004)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

## APPLICATION FOR PERMIT TO DRILL OR REENTER

|  |  |   |
|--|--|---|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |  | 5. Lease Serial No.<br><b>NMLC 069159A</b>  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone  |  | 6. If Indian, Allottee or Tribe Name  |
| 2. Name of Operator<br><b>BEPCO, L. P.</b>   |  | 7. If Unit or CA Agreement, Name and No.<br><b>NMNM 68294X</b>  |
| 3a. Address <b>P. O. Box 2760<br/>Midland, TX 79702</b>  |  | 8. Lease Name and Well No.<br><b>BIG EDDY UNIT # 171</b>  |
| 3b. Phone No. (include area code)<br><b>432-683-2277</b>   |  | 9. API Well No.<br><b>30-015-35591</b>  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface <b>NWSW, 1760 FSL &amp; 820 FWL, Lat N32.361389 deg, Long W104.047306</b><br>At proposed prod. zone <b>Same CARLSBAD CONTROLLED WATER BASIN</b> |  | 10. Field and Pool, or Exploratory<br><b>Dublin Ranch (Morrow)</b>  |
| 11. Sec., T. R. M. or Blk. and Survey or Area<br><b>Lot 12, Sec 25, T22S, R28E, NMP</b>  |  | 12. County or Parish<br><b>EDDY COUNTY</b>  |
| 13. State<br><b>NM</b>   |  | 14. Distance in miles and direction from nearest town or post office*<br><b>13 MILES NE OF CARLSBAD, NM</b> |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>820</b>   | 16. No. of acres in lease<br><b>1596</b>                   | 17. Spacing Unit dedicated to this well<br><b>320</b>   |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>1151</b>   | 19. Proposed Depth<br><b>13,250' MD</b>                    | 20. BLM/BIA Bond No. on file<br><b>NM-2204</b>  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br><b>3134' GL</b>   | 22. Approximate date work will start*<br><b>10/11/2007</b> | 23. Estimated duration<br><b>45 days</b>  |

### 24. Attachments

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<br><i>Annette Childers</i>      | Name (Printed/Typed)<br><b>Annette Childers</b> | Date<br><b>2-28-2007</b>   |
| Title<br><b>Administrative Assistant</b>      |   |                            |
| Approved by (Signature)<br><i>R Burkhardt</i> | Name (Printed/Typed)                            | Date<br><b>APR 25 2007</b> |
| Title<br><b>STATE DIRECTOR</b>                |   |                            |
| Office<br><b>NM STATE OFFICE</b>              |   |                            |

Application approval does not warrant or certify that 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.

\*(Instructions on page 2)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

If earthen pits are used in  
association with the drilling of this  
well, an OCD pit permit must be  
obtained prior to pit construction.

1625 N. French Dr., Hobbs, NM 88240

## DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

### DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

### DISTRICT IV

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

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005

**Submit to Appropriate District Office**

**State Lease - 4 Copies**

Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

|               |               |           |                       |
|---------------|---------------|-----------|-----------------------|
| API Number    |               | Pool Code | Pool Name             |
|               |               | 76140     | Dublin Ranch (Morrow) |
| Property Code | Property Name |           | Well Number           |
| 069159        | BIG EDDY UNIT |           | 171                   |
| OGRID No.     | Operator Name |           | Elevation             |
| 001801        | BEPCO, L.P.   |           | 3134'                 |

### Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| LOT 12        | 25      | 22 S     | 28 E  |         | 1760          | SOUTH            | 820           | 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<br>320 | Joint or Infill<br>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

|  |                      |                      |                      |
|--|----------------------|----------------------|----------------------|
| LOT 4<br>42.31 ACRES   | LOT 3<br>42.39 ACRES | LOT 2<br>42.46 ACRES | LOT 1<br>42.53 ACRES |
| LOT 5<br>42.30 ACRES   | LOT 6<br>42.37 ACRES | LOT 7<br>42.44 ACRES | LOT 8<br>42.50 ACRES |
| <p>             LOT 12: 42.28 ACRES<br/>             LOT 11: 42.34 ACRES<br/>             LOT 10: 42.40 ACRES<br/>             LOT 9: 42.46 ACRES<br/>             LOT 13: 42.25 ACRES<br/>             LOT 14: 42.32 ACRES<br/>             LOT 15: 42.39 ACRES<br/>             LOT 16: 42.45 ACRES           </p> <p>             Well Location: 820' West, 760' South of NE corner.<br/>             LAT - N32°21'41.0"<br/>             LONG - W104°02'50.3"<br/>             (NAD-83)           </p> |                      |                      |                      |

### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

C. K. Jenkins by HJS 2/27/07  
 Signature Date

C. K. (Buddy) Jenkins  
 Printed Name

### 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.

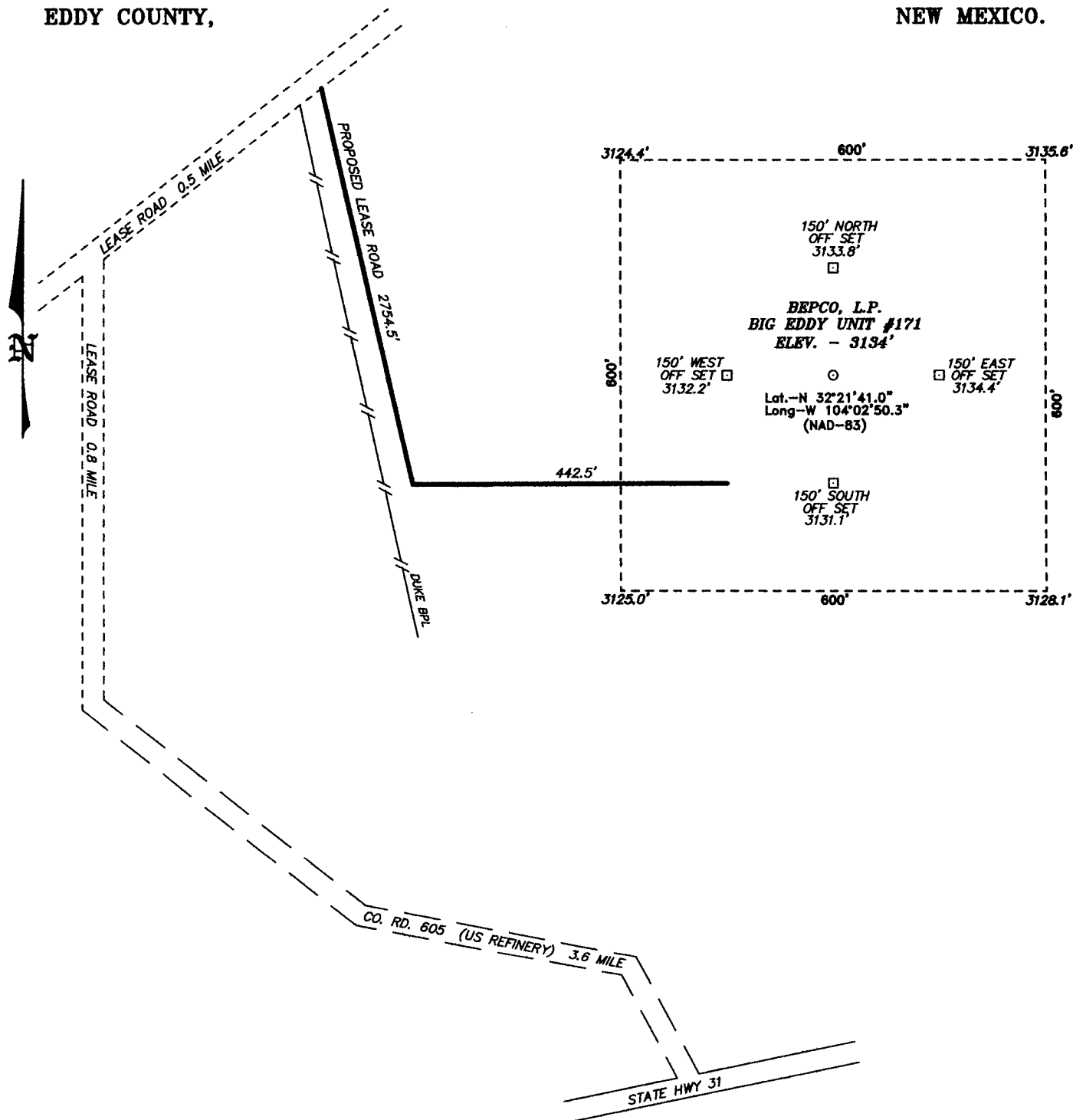
DECEMBER 05, 2006

Date Surveyed: Dec 5, 2006  
 Signature: [Signature]  
 Professional Surveyor No. 7977

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

SECTION 25, TOWNSHIP 22 SOUTH, RANGE 28 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 31 AND US REFINERY, PROCEED NORTHWEST ON US REFINERY FOR 3.6 MILES TO LEASE ROAD, ON LEASE ROAD PROCEED NORTHEAST 0.5 MILE THENCE NORTH 0.8 MILE THENCE NORTHWEST 0.5 MILE TO PROPOSED LEASE ROAD AT DUKE R.O.W.

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

W.O. Number: 17460

Drawn By: J. SMALL

Date: 12-06-2006

Disk: 17460W JMS

**BEPCO, L.P.**

REF: BIG EDDY UNIT #171 / WELL PAD AND TOPO

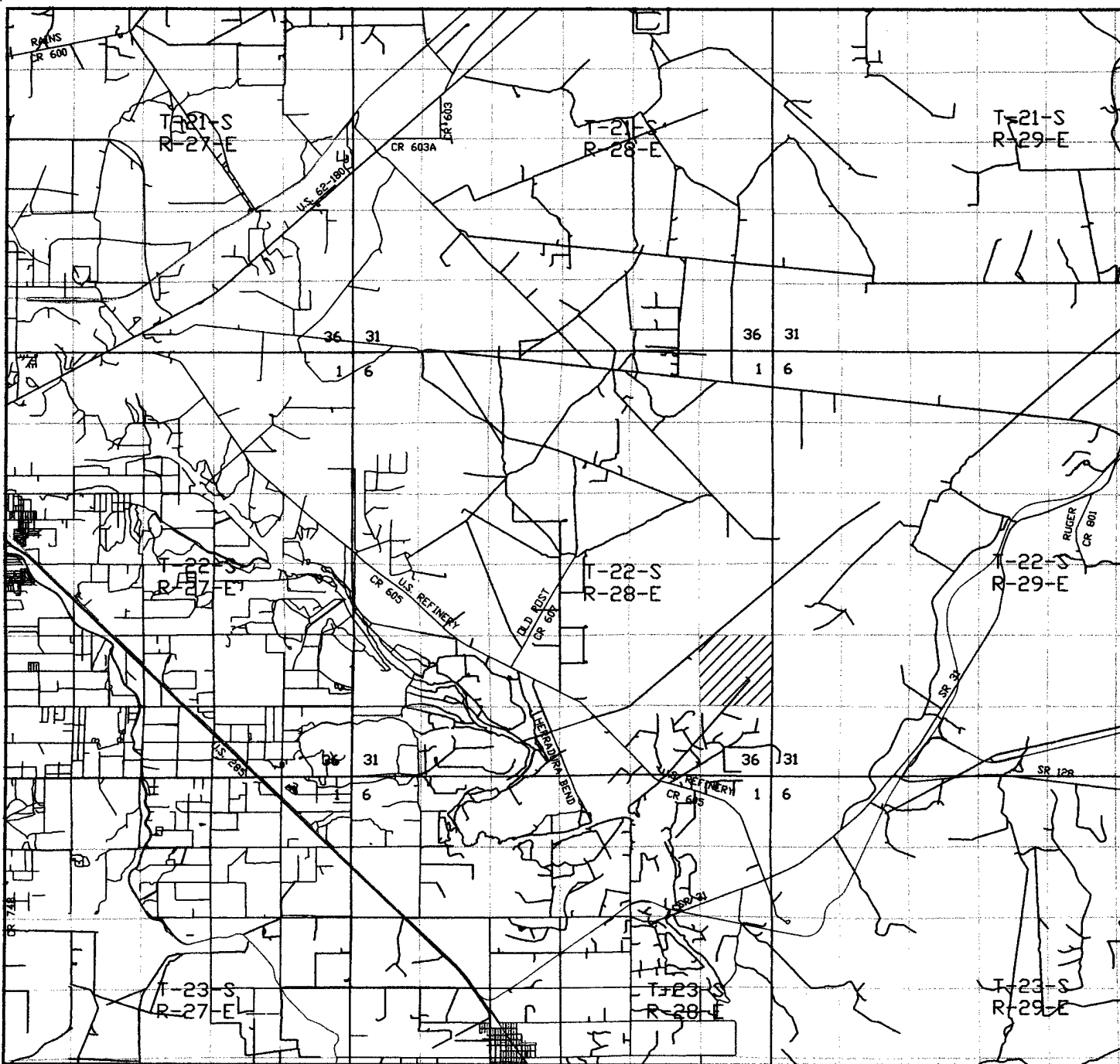
THE BIG EDDY UNIT No. 171 LOCATED 1760'

FROM THE SOUTH LINE AND 820' FROM THE WEST LINE OF  
SECTION 25, TOWNSHIP 22 SOUTH, RANGE 28 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 12-05-2006

Sheet 1 of 1 Sheets





**BIG EDDY UNIT #171**  
**1760' FSL and 820' FWL**  
**Section 25, Township 22 South, Range 28 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: JMS 17460T

Survey Date: 12-05-2006

Scale: 1" = 2 MILES

Date: 12-06-2006

**BEPCO, L.P.**

Surface casing to be set into the Rustler below all fresh water sands.

Production casing will be cemented using Howco Interfill system with TOC 500' above all productive intervals.

Drilling Procedure, BOP diagram, anticipated tops and surface plans attached.

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

**EIGHT POINT DRILLING PROGRAM  
BEPCO L.P.**

**NAME OF WELL: BIG EDDY UNIT #171**

LEGAL DESCRIPTION - SURFACE: 1760' FSL & 820' FWL, Section 25, T22S, R28E, 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 3157' (est)  
GL 3134'

| <u>FORMATION</u> | <u>ESTIMATED<br/>TOP FROM KB</u> | <u>ESTIMATED<br/>SUBSEA TOP</u> | <u>BEARING</u> |
|------------------|----------------------------------|---------------------------------|----------------|
| T/Salt           | 442'                             | + 2,715'                        | Barren         |
| T/Lamar          | 2,792'                           | + 365'                          | Barren         |
| T/Wolfcamp       | 9,677'                           | - 6,520'                        | Oil/Gas        |
| TD               | 13,250'                          | - 10,093'                       |                |

**POINT 3: CASING PROGRAM**

| <u>TYPE</u>                       | <u>INTERVALS</u> | <u>PURPOSE</u> | <u>CONDITION</u>      |
|-----------------------------------|------------------|----------------|-----------------------|
| 20"                               | 0' - 40'         | Conductor      | Contractor Discretion |
| 13-3/8", 48#, H40, STC            | 0' - 432'        | Surface        | New                   |
| 40# NCN-80 9-5/8", 86#, K-55, LTC | 0' - 6,430'      | Intermediate   | New                   |
| 5-1/2", 17#, HCP110, LTC          | 0' - 13,250'     | Production     | New                   |

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

A BOP equivalent to Diagram 1 will be nipped up on the surface and intermediate casings. The BOPE on the surface casing will be tested to 70% of interval yield or 1000 psig whichever is less using the rig pump.

On the intermediate casing the BOPE will be hydro-statically tested by independent tester to 5000 psig and 250 psig. BOPE includes choke manifold, upper & lower Kelly cocks, kill lines, etc. The annular preventor will be tested to 2500 psig. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Twenty-one 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. 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' - 442'       | FW          | 8.5 - 9.2  | 45-35 | NC | NC | NC  | 9.5 |
| 442' - 6,350'   | BW          | 10.0       | 28-30 | NC | NC | NC  | 9.5 |
| 6,350' - 8,500' | FW          | 8.6 - 8.9  | 28-30 | 4  | 2  | NC  | 9.5 |
| 8,500' - TD     | CBW/Polymer | 8.9 - 10.5 | 28-30 | 6  | 4  | <20 | 9.5 |

**POINT 6: TECHNICAL STAGES OF OPERATION****A) TESTING**

Drill stem tests may be performed on significant shows in zones of interest, but none are anticipated.

**B) LOGGING**

Run #1:

GR-CNL-LDT-LLD run from 13,250' (TD) to intermediate casing at 6430', GR-CNL to surface. May run FMI logging over Morrow.

**C) CORING**

No cores are anticipated.

**D) CEMENT**

| INTERVAL                    | AMOUNT SX | FT OF FILL | TYPE   | GALS/SX | PPG   | FT <sup>3</sup> /SX |
|-----------------------------|-----------|------------|--|---------|-------|---------------------|
| <u>SURFACE</u>              |           |            |  |         |       |                     |
| Lead                        |           |            |  |         |       |                     |
| 0' - 432'                   | 450       | 432        | Premium Plus + 2% CaCl <sub>2</sub>                      | 6.32    | 14.8  | 1.34                |
| (100% Excess)               |           |            | + ¼#/sx Pol-e-flake                                      |         |       |                     |
| <u>INTERMEDIATE</u>         |           |            |  |         |       |                     |
| Lead                        |           |            |  |         |       |                     |
| 0' - 5850'                  | 1475      | 5850       | Interfill C + ¼#/sx                                      | 14.10   | 11.90 | 2.45                |
| (100% Excess)               |           |            | Pol-e-flake  |         |       |                     |
| Tail                        |           |            |  |         |       |                     |
| 5850' - 6350'               | 235       | 500        | Premium Plus + 2% CaCl <sub>2</sub>                      | 6.34    | 14.80 | 1.34                |
| (100% Excess)               |           |            |  |         |       |                     |
| <u>PRODUCTION</u>           |           |            |  |         |       |                     |
| <u>1<sup>st</sup> Stage</u> |           |            |  |         |       |                     |
| LEAD                        |           |            |  |         |       |                     |
| 8500'-11,250'               | 480       | 2650       | Interfill H + 5pps Gilsonite                             | 13.61   | 11.90 | 2.11                |
| (50% excess)                |           |            | + 0.5% Halad 9 + 1/8 pps Pol-e-flake                     |         |       |                     |
| TAIL                        |           |            |  |         |       |                     |
| 11,250'-13,250'             | 465       | 2000       | Super H + 0.5% Halad 344                                 | 8.20    | 13.00 | 1.61                |
| (50% excess)                |           |            | + 0.4% CFR3 + 5 pps Gilsonite                            |         |       |                     |
|                             |           |            | + 1 pps Salt + 0.2% HRT                                  |         |       |                     |
| <u>2<sup>nd</sup> Stage</u> |           |            |  |         |       |                     |
| LEAD                        |           |            |  |         |       |                     |
| 5930' - 8500'               | 580       | 2570       | PB Super H + 5 #/sk Gilsonite                            | 7.81    | 13.20 | 1.60-               |
| (50% excess)                |           |            | + 1 #/sk Salt + 1.2% HR-7 + 0.5% Halad 344 + 0.4% CFR-3. |         |       |                     |



**E) DIRECTIONAL DRILLING**

No directional services anticipated. A straight hole will be drilled to 13,250' TD.

**POINT 7: ANTICIPATED RESERVOIR CONDITIONS**

Normal pressures are anticipated throughout the Delaware, Bone Spring & Wolfcamp sections. The Strawn expected BHP is 5515 (max) or an equivalent mud weight of 10.0 ppg. The Atoka is usually over pressured 10.5 to 11.5 ppg. However the direct offset Marbob Irish Whiskey Federal #1 did not need mud weights over 10 ppg (according to bit records). The well plan therefore reflects this. The Morrow will be normally pressured. Due to the tight nature of the reservoir rock (high pressure, low volume), the well will be drilled under balanced utilizing a rotating head. The expected BHT at TD is 200°F. No H<sub>2</sub>S 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

45 days drilling operations

20 days completion operations

CKJ/cnt

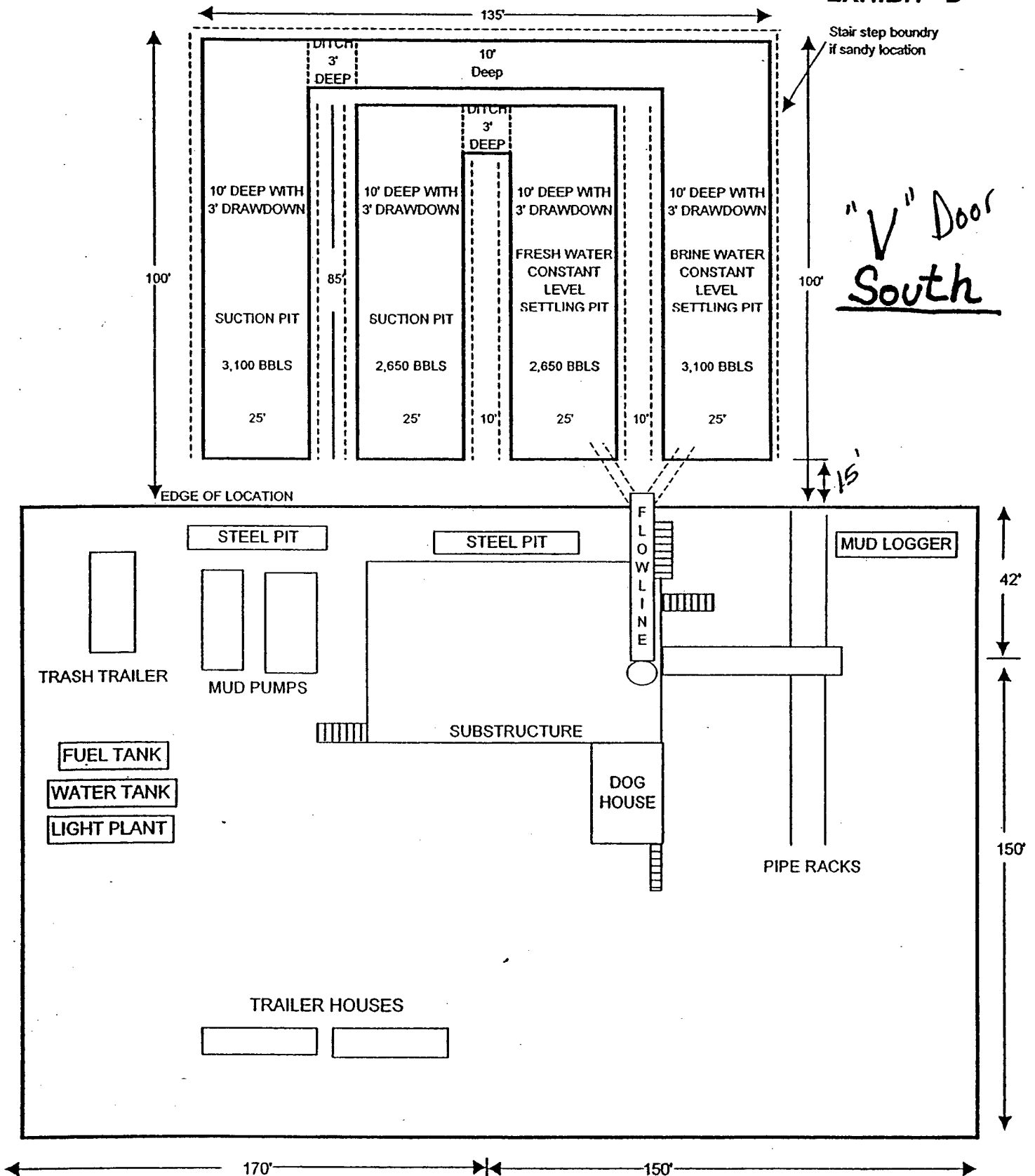


# BASS ENTERPRISES PRODUCTION COMPANY

Poker Lake Unit #2 67

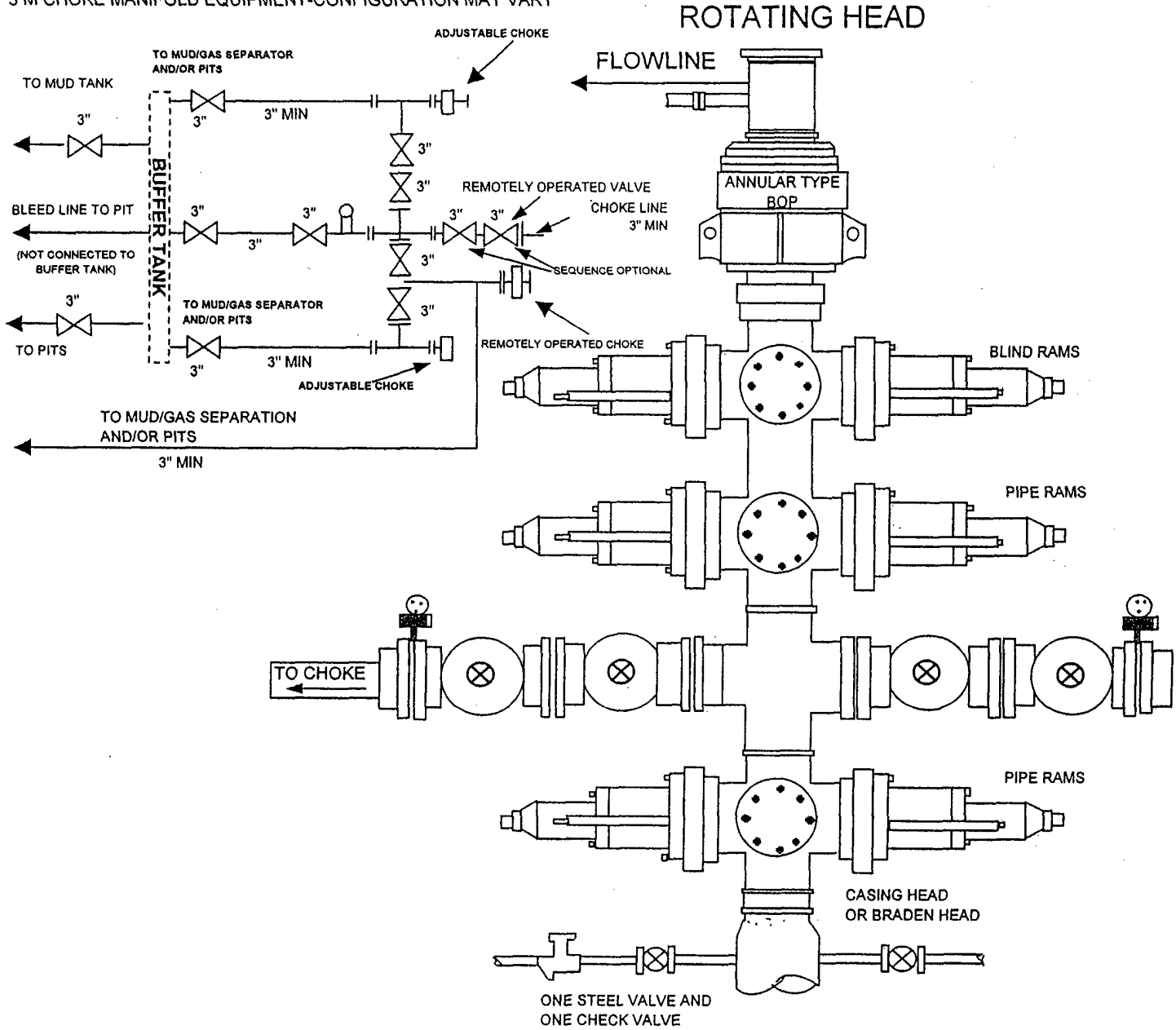
Grey Wolf Rig 15

## EXHIBIT "D"



## 5-M WP BOPE WITH 5-M WP ANNULAR

5 M CHOKE MANIFOLD EQUIPMENT-CONFIGURATION MAY VARY



# DIAGRAM 1

## **MULTI-POINT SURFACE USE PLAN**

**NAME OF WELL: BIG EDDY UNIT #171**

**LEGAL DESCRIPTION – SURFACE:** 1760' FSL & 820' FWL, Section 25, T21S-R28E, Eddy County, NM

### **POINT 1: EXISTING ROADS**

- A) Proposed Well Site Location

See Exhibit "A".

- B) Existing Roads:

From the junction of State Hwy 31 and U.S. Refinery, proceed northwest on U.S. Refinery for 3.6 miles to lease road; on lease road, proceed northeast 0.5 miles thence north 0.8 miles thence northwest 0.5 miles to proposed lease road at Duke R.O.W.

- C) Existing Road Maintenance or Improve Plan:

See Exhibit "B"

### **POINT 2: NEW PLANNED ACCESS ROUTE**

- A) Route Location:

See Exhibit "B". The new road will be 12' wide and approximately 3197' long from existing lease road. The road will be constructed of watered and compacted caliche.

- B) Width

12' Wide.

- C) Maximum Grade

Not Applicable.

- D) Turnouts

As required by BLM stipulations

- E) Culverts, Cattle Guards, and Surfacing Equipment

None

### **POINT 3: LOCATION OF EXISTING WELLS**

Exhibit "A" indicates existing wells within the surrounding area.

### **POINT 4: LOCATION OF EXSITING OR PROPOSED FACILITIES**

- A) No Existing facilities within one mile owned or controlled by lessee/operator:

**POINT 4: LOCATION OF EXSITING OR PROPOSED FACILITIES****B) New Facilities in the Event of Production:**

New production facilities will be installed at the new location at Big Eddy Unit #171 (Sec 25, T22S, R28E).

**C) Rehabilitation of Disturbed Areas Unnecessary for Production:**

Following the construction of production facilities, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas necessary for use will be graded to blend in the surrounding topography – See Point 10.

**POINT 5: LOCATION AND TYPE OF WATER SUPPLY****A) Location and Type of Water Supply**

Fresh water and brine will be hauled from the City of Carlsbad. Brine water will be hauled from Champion Brine Water Station, 3.5 miles east and 2.5 miles south of Carlsbad.

**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. It is planned to use on-site caliche if possible. Pits are located in Sec 8, T22S, R28E and Sec 9, T23S, R28E if necessary.

**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**

As described in point 2, 3197' of new lease road will be built. Exhibit B.

**POINT 7: METHODS FOR HANDLING WASTE MATERIAL****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 the 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 testing indicates potential productive zones. In any case, the "mouse" hole and the "rat" hole will be covered. The reserve pit will be fenced and the fence 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

Exhibit "C" 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 "B" and "C"

C) Lining of the Pits

The reserve pit will be lined with plastic.

**POINT 10: PLANS FOR RESTORATION OF THE SERVICE**

A) Reserve Pit Cleanup

A pit will be fenced at the time of rig release and shall be maintained until the pit is backfilled. Previous to backfill operations, any hydrocarbon material on the pit surface shall be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and soil adjacent to the reserve pit. The restored surface of the pit 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 BLM stipulations during the appropriate season following restoration.

B) Restoration Plans – Production Developed

The reserve pit 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 pit 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 BLM stipulations.

D) Rehabilitation 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**

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 no water wells within 1 mile of location. Closest known water well is SWSE Sec 15, T22S, R28E. (approx 2-1/2 miles northeast of BEU #171).

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. The survey area will be a 600' x 600' square with its center on the wellhead stake. Before any construction begins, a full and complete archeological survey will be submitted to the BLM. Any location or construction conflicts will be resolved before construction begins.

## J) Surface Ownership

The well site and access road are both 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**

(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

Michael Lyon  
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 its 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.

2/27/07  
Date

CKJ/cnt

C. K. Jenkins by  
C.K. Jenkins