# N. M. Oil Cons. Division 811 S. 1ST ST.

ARTESIA, NM 88210-0050 TRIL LIJATE\*

FORM APPROVED

| (July 1992)77                                 | 130             | A 41                        |                       |   | (0  | Other instruction    | s on            |   |                |                          |
|---|-----------------|-----------------------------|-----------------------|---|---|----------------------|-----------------|---|----------------|--------------------------|
| 30  | S. T.           | 🤌 📑 UNI                     | TED STA               | TES                                     |   | reverse side)        |                 | Expires: Fel                            | bruary         | 28, 1995                 |
| 20  | (C, 18)         | DEPARTME                    | NT OF TH              | IF INTER                                | IOR   |                      |                 | 5. Lease Designa                        |                |                          |
| 17829.  | (CD),           | BUREAU OI                   |                       |   |   |                      |                 | الله الله الله الله الله الله الله الله |                | ind Senai No.            |
| 100   | AF              | PLICATION                   | OR PERM               | IIT TO DR                               | ILL OR D  | EEPEN                |                 | 6. If Indian, Allott                    | ee or          | Tribe Name               |
| 1a. TYPE OF WORK                              |                 |                             |                       |   |   |                      |                 | ,                                       |                |                          |
|   | DRILL           | X                           | DEEPEN                |   |   |                      |                 | 7. Unit agreemen                        | t nam          | Α                        |
| b. TYPE OF WELL                               |                 |                             |                       |   |   |                      |                 | Poker Lake                              |                |                          |
| Oil Well                                      | Gas W           | ell X Other                 |                       | Single Zone                             |   | Multiple Zone        |                 |   |                | 1796                     |
| 2. Name of Operator                           |                 | en A Other                  |                       | Single Zone                             |   | Matthe Zone          | <u> </u>        | 8. Farm or Lease<br>Poker Lake          |                |                          |
| •   |                 | duction Co.                 | 1911                  |   |   |                      |                 | 9. API Well No.                         | Olil #         | 7133                     |
| 3. Address and Tele                           |                 |                             | 1001                  | *** * * * * * * * * * * * * * * * * * * |   | <del></del>          |                 | 30-01                                   | c              | 31417                    |
| P O Box 2                                     | 760             | Midland, Texa               | s 7970 <b>2</b> -2760 | )                                       | (915) 683-2                                       | 277                  |                 | 10. Field and Poo                       | ol, or V       | Vildcat                  |
| 4. Location of Well (F                        | Report local    | tion clearly and in         | accordance            | with any State                          | e requiremer                                      | its.*)               |                 | Forty                                   |                |                          |
| At Surface                                    | J) i            | ld car Moss                 | - e+ U+               | rdes. De                                | g lewn h  | haw; Moni            | low             | 11. Sec., T., R., I                     | VI., or        | Blk.                     |
| 1830' FNL                                     | & 1980' FE      | EL, Section 6, T24          | IS, R30E              | ·                                       |   |                      |                 | and Survey o                            | r Area         | 1                        |
| At proposed BHL                               | 1               |                             |                       | e                                       | ereat.  | iry's pot            | 2011            | Sec 6, T245                             | s, R30         | E                        |
|   |                 | Unit 6                      | ,                     | •                                       | in the int  | m a pui              | ASH             |   |                |                          |
| 14. Distance in miles                         | and direction   | on from nearest to          | wn or Post C          | ffice*                                  |   |                      |                 | 12. County or Pa                        | rish           | 13. State                |
|   | ast of Mala     | ga, NM                      |                       |   |   |                      |                 | Eddy                                    |                | NM                       |
| 15. Distance from pro                         | •               |                             |                       | 16. No. of acr                          | res in Lease                                      |                      | •               | Acres assigned                          |                |                          |
| Location to neare<br>Property or lease        |                 | 1980'                       | :                     |   | 2483.12'  |                      | to this         |   |                |                          |
| (Also to nearest d                            |                 | e. if anv)                  |                       |   | 2405.12   |                      |                 | 320                                     |                |                          |
| 18. Distance from pro                         |                 |                             |                       | 19. Proposed                            | Depth   | ·                    | 20. Rotan       | or Cable Tools                          |                |                          |
| to nearest well, di                           |                 |                             | 1320'                 | •                                       | 14,750'   |                      |                 | Rotary                                  |                |                          |
| or applied for, on                            |                 |                             |                       |   |   |                      |                 |   |                |                          |
| 21. Elevations (Show                          | whether D       | F, RT, GR, etc.)            | 22551 27              |   |   |                      |                 | 22. Approx. date                        |                | will start*              |
|   |                 |                             | 3255' GR es           |   |   |                      |                 | Upon Appro                              | ıval           |                          |
| 23.   |                 |                             | PROPOS                | ED CASING                               | AND CEME  | NTING PROGR          | AM              | ·····                                   |                |                          |
| SIZE OF HOLE                                  | <del></del>     | SIZE OF CASING              |                       | PER FOOT                                | SETTI   | NG DEPTH             |                 | QUANTITY (                              | OF CE          |                          |
| 20"   | 16"             | H40                         | 65.0#                 |   | 600'  |                      | 750 sx Ci       | c to surface.                           |                | WITNESS                  |
| 14-3/4"                                       | 10-3/4"         | K55                         | 40.5#/45.50#          | <u> </u>                                | 3400'   | <del></del>          | 1800 sx C       | irc to surface.                         |                | WITNESS                  |
| 9-1/2"  | 7-5/8"          | S95/N80                     | 29.70#                |   | 11,050'   |                      | 9000 sx C       | irc to 3000'. DV to                     | <u>@</u> اود   | 9000'.                   |
| 6-1/2"  | 5-1/2"          | N80 Ct 17110                | <del>17#</del> 50H    |   | 10,800-14,7                                       | '50'                 | 305 sx.         |   |                |                          |
|   |                 |                             |                       |   | -   |                      | l               |   |                | 75 1 5 1 4 1 4 1 4 1 4 1 |
| Drilling procedure, BO                        | -               |                             |                       |   | d. 🗓  |                      |                 |   | 170            | D DARIN                  |
| Surface casing to be                          | set into the    | Rustier below all           | fresh water s         | ands.                                   |   |                      |                 |   |                |                          |
|   |                 |                             |                       |   |   | : mana               |                 |   |                |                          |
| (All depths measured                          | depth exce      | ept when specified          | d otherwise.)         |   |   | APPHO                | VAL SU          | BJECT TO                                |                |                          |
| 1   | 1 5 01 N = + h  | -6i-i                       | DI MI- /D-            |   | A   | GENER                | AL REC          | DUREMENTS                               | SAN            | <u> </u>                 |
| Location was moved                            | IDION DEI       | oi originai stake p         | er blivis (ba         | rry munt) ints                          | tructions.  | SPECIA               | 1 QTID          | ULATIONS                                |                |                          |
|   |                 |                             |                       |   |   | 01 FOW               |                 | DEMINION                                |                |                          |
|   |                 |                             |                       |   |   |                      | •               |   |                |                          |
| IN ABOVE SPACE DES deepen directionally, give |                 |                             |                       |   |   |                      |                 |   | ne. If p       | proposal is to drill or  |
| 24.   | s perunent de   | /                           | ations and me         | 233103 1113 1130                        | vertical depart                                   | s. Give blostout pri | eventer prog    | iam, n amy.                             |                | <del></del>              |
| Signed  | 6. 1/2          | w. 🖟 🗽                      | R. Dannels            | Title                                   | e Div   | rision Drilling Su   | pt.             | Date 7                                  | 17/1           | 70                       |
|   | <del></del>     |                             |                       |   |   |                      |                 | •                                       | <del>- /</del> | · <del>Š</del>           |
| (This space for Federal or S                  | ate office use) |                             |                       |   |   |                      |                 |   |                |                          |
| Permit No.                                    |                 |                             |                       |   |   | Approval Dat         | е               |   |                |                          |
|   |                 |                             |                       |   | <del>· · · · · · · · · · · · · · · · · · · </del> |                      |                 |   |                |                          |
| Application approval does no                  |                 | ertify that the applicant h | noids legal or equi   | table title to those                    | e rights in the sub                               | ject lease which wou | d entitle the a | oplicant to conduct oper                | ations tr      | nereon.                  |
| CONDITIONS OF APPROV                          | AL, IF ANY:     |                             | <i></i>               |   | ( ,   |                      |                 |   |                | }                        |
| Approved by                                   | 1 A/15          |                             | L-J                   | Title                                   | ton STA   | ATE DIRECTI          | )R              | Date /Osa                               | <i>)</i> 2.    | 00                       |

Title 18 U.S.C.. Section 1001, makes 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 representatives as to any matter within its jurisdiction,

\*See Instruction on Reverse Side

RECEIVED SOURCE SOUR SOURCE SO

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

#### 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 Pee Lease - 3 Copies

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

#### DISTRICT IV 2040 South Pacheco, Santa Fe, NM 37505

# OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| Pool Code Pool                      | Name   |
|-------------------------------------|--|
| FORTY-NINER RIDGE (M                | ORROW)   |
| Property Name                       | Well Number  |
| POKER LAKE UNIT                     | 153  |
| Operator Name                       | Elevation  |
| BASS ENTERPRISES PRODUCTION COMPANY | 3260'  |
|                                     | FORTY-NINER RIDGE (M Property Name POKER LAKE UNIT Operator Name |

#### Surface Location

| UL or lot No.                                  | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G  | 6       | 24 S     | 30 E  |         | 1830          | NORTH            | 1980          | EAST           | EDDY   |
| Bottom Hole Location If Different From Surface |         |          |       |         |               |                  |               |                |        |

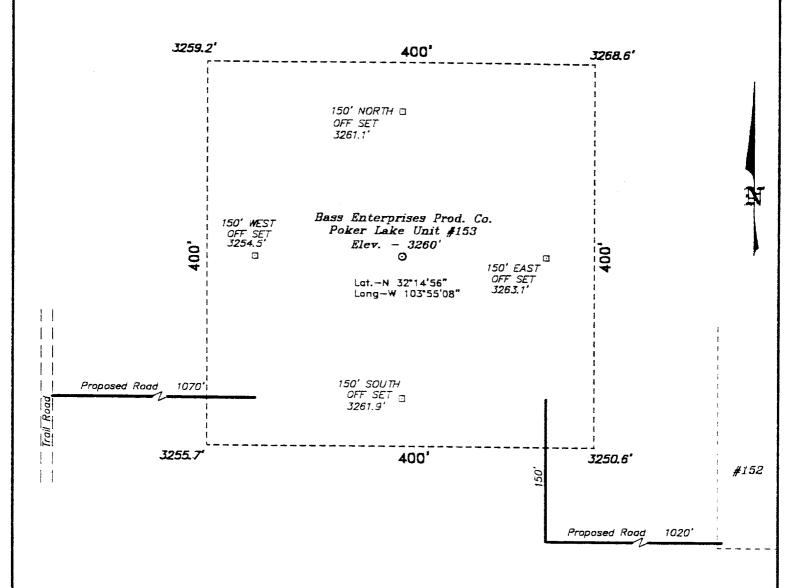
#### Bottom Hole Location If Different From Surface

|  | UL or lot No. | Section | Township | Range | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County   |
|--|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|----------|
| L  |               |         |          |       |          |               |                  |               |                |          |
| Dedicated Acres   Joint or Infill   Consolidation Code |               |         |          |       | Code Ore | der No.       |                  |               |                | <u> </u> |
| L  | 320           | N_      |          |       |          |               | _                |               |                |          |

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

|                   |  | DIV ALTROVED DI III |   |
|-------------------|--|---------------------|---|
| LOT 1 40.72 AC.   | 1830'                                  |                     | OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature   |
| LOT 2 - 40.58 AC. | 3259.2' 3268.6'<br>3255.7' 3250.6'     | 1980'               | W. R. Dannels  Printed Name  Division Drilling Supt.  Title  7/7/10  Date  SURVEYOR CERTIFICATION   |
| LOT 3 - 40.42 AC. | LAT - N32*14'56"<br>LONG - W103*55'08" |                     | 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.  June 19, 2000  Date Surveyed  |
| LOT 4 - 40.28 AC. |  |                     | Signature & Seel Off |

# SECTION 6, TOWN, HIP 24 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY. NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 128 & CO. RD. 793, GO SOUTH AND WEST ON CO. RD. 793 APPROX. 4.0 MILES TO A LEASE ROAD; THENCE SCUTH ON LEASE ROAD APPROX. 3.5 MILES TO A PROPOSED LEASE ROAD MILES 1055 FEET WEST OF THE PROPOSED WELL LOCATION.

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

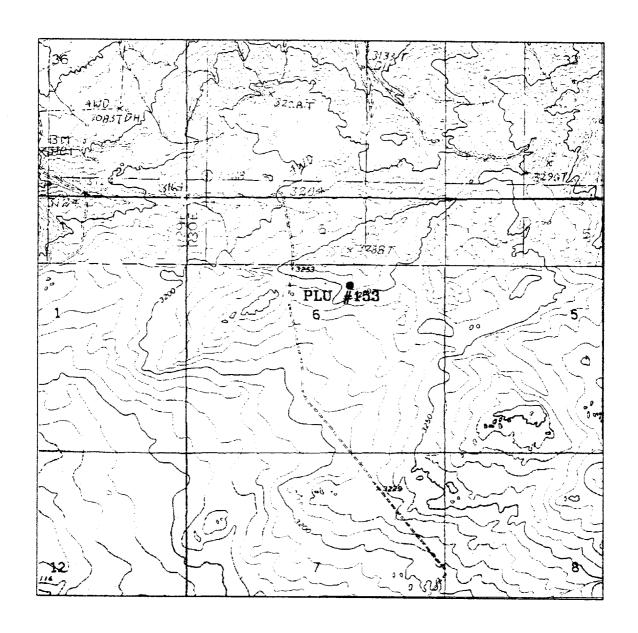
W.O. Number: 0340 Drawn By: K. GOAD 06-20-2000 Date: Disk: KJG #122 0340D.DWG 100 100 200 FEET SCALE: 1" = 100'

# BASS ENTERPRISES PRODUCTION CO.

Poker Lake Unit No. 153 / Well Pad Topo THE POKER LAKE UNIT No. 153 LOCATED 1830' FROM THE NORTH LINE AND 1980' FROM THE EAST LINE OF SECTION 6, TOWNSHIP 24 SOUTH, RANGE 30 EAST. N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 06-19-2000 Sheet

Sheets



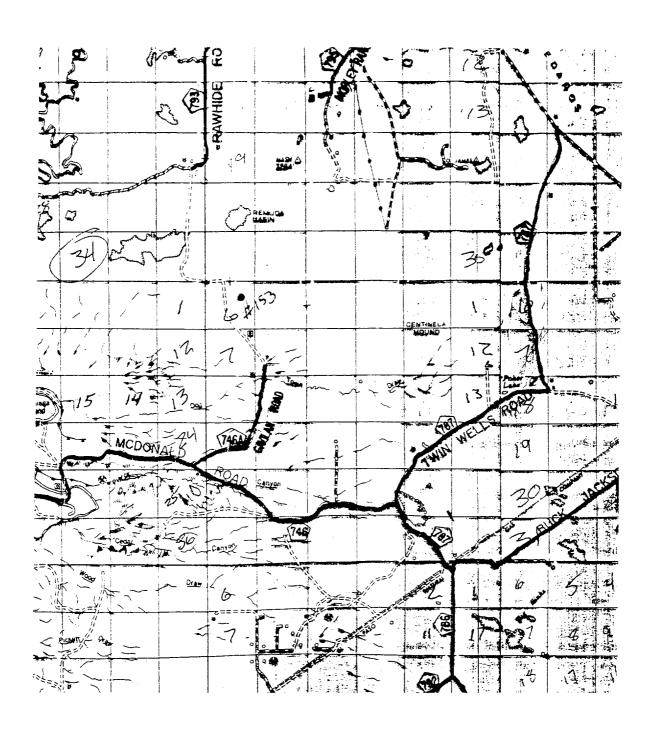
POKER LAKE UNIT #153 Located at 1830' FNL and 1980' FEL Section 6, Township 24 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.



P.O. 3ox 1786 1120 N. West County Rd. Hobbs, New Mexico 38241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

| W.O. Number:      | 0340DD - KJG #122 |  |  |  |  |
|-------------------|-------------------|--|--|--|--|
| Survey Date:      | 06-19-2000        |  |  |  |  |
| Scale: '" = 2000' |                   |  |  |  |  |
| Date: 36-20-      | -2000             |  |  |  |  |

BASS ENTERPRISES PRODUCTION CO.



POKER LAKE UNIT #153 Located at 1830' FNL and 1980' FEL Section 6, 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:  | 0340DD - KJG #122 |
|---------------|-------------------|
| Survey Date:  | 06-19-2000        |
| Scale: 1" = 2 | MILES             |
| Date: 06-20-  | -2000             |

BASS ENTERPRISES PRODUCTION CO.

# EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

# NAME OF WELL: POKER LAKE UNIT #153

LEGAL DESCRIPTION - SURFACE: 1830' FNL & 1980' FEL, Section 6, T24S, R30E, 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 3285' (est)

GL 3260'

| FORMATION             | ESTIMATED<br>TOP FROM KB | ESTIMATED<br>SUBSEA TOP | BEARING |
|-----------------------|--------------------------|-------------------------|---------|
| T/Rustler             | 485'                     | + 2,800'                | Barren  |
| T/Salt                | 640'                     | + 2,645'                | Barren  |
| B/Salt                | 3,327'                   | - 42'                   | Barren  |
| T/Lamar Lime          | 3,576'                   | - 291'                  | Barren  |
| T/Ramsey              | 3,603'                   | - 318'                  | Oil/Gas |
| T/Lower Brushy Canyon | 7,050'                   | - 3,765'                | Oil/Gas |
| T/"Y" Sand            | 7,223'                   | - 3,938'                | Oil/Gas |
| T/Bone Spring         | 7,291'                   | - 4,006'                | Oil/Gas |
| T/Wolfcamp Shale      | 10,585'                  | - 7,300'                | Barren  |
| T/Atoka               | 12,940'                  | - 9,655                 | Oil/Gas |
| T/Morrow              | 13,585'                  | - 10,300'               | Oil/Gas |
| T/Middle Morrow       | 13,930'                  | - 10,645'               | Oil/Gas |
| T/Lower Morrow        | 14,310'                  | - 11,025'               | Oil/Gas |
| TD                    | 14,750'                  | - 11,465'               |         |

#### **POINT 3: CASING PROGRAM**

| TYPE                     | INTERVALS         | PURPOSE          | CONDITION             |
|--------------------------|-------------------|------------------|-----------------------|
| 20"                      | 0' - 40'          | Conductor        | Contractor Discretion |
| 16", 65#, H-40, STC      | 0' - 600'         | Surface          | New                   |
| 10-3/4", 40#, N80, LTC   | 0' - '2,500'      | Intermediate     | New                   |
| 10-3/4", 40#, K-55, LTC  | 2,500' - 3,400'   | Intermediate     | New                   |
| 7-5/8", 29.7#, N-80, LTC | 0' - 9,000'       | Intermediate     | New                   |
| 7-5/8", 29.7#, S-95, LTC | 9,000' - 11,050'  | Intermediate     | New                   |
| 5-1/2", 47#, P110, STL   | 10,800' - 14,750' | Production Liner | New                   |
| 30# N-80                 |                   |                  |                       |

# 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 the lowest rated working pressure of the equipment being tested. In addition to the rated working 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 BOP equivalent to Diagram 2 will be nippled up on the 7" intermediate casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to the lowest rated working pressure of the equipment being tested. In addition to the rated working 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. See the attached Diagrams 1 & 2 for the minimum criteria for the choke manifold.

#### POINT 5: MUD PROGRAM

| DEPTH             | MUD TYPE    | WEIGHT     | <u>FV</u> | PV    | YP    | FL    | <u>Ph .</u> |
|-------------------|-------------|------------|-----------|-------|-------|-------|-------------|
| 0' – 600'         | FW          | 8.5 - 9.2  | 45-35     | NC    | NC    | NC    | 9.5         |
| 600' - 3,400'     | CBW         | 9.2 - 10.0 | 28-30     | NC    | NC    | NC    | 9.5         |
| 3,400' - 10,000'  | FW          | 8.6 - 8.9  | 28-30     | 4     | 2     | <100  | 9.5         |
| 10,000' - 11,050' | CBW         | 8.6 - 9.0  | 28-30     | 6     | 4     | <100  | 9.5         |
| 11,050' – TD      | CBW/Polymer | 9.0 - 13.5 | 32-55     | 12-20 | 12-22 | 10-15 | 9.5-10.0    |

#### POINT 6: TECHNICAL STAGES OF OPERATION

#### A) TESTING

Drill stem tests may be performed on significant shows in zones of interest.

#### B) LOGGING

#### Run #1:

GR-CNL-LDT-LLD run from TD to 10-3/4" ICP, GR-CNL to surface. May run logging suite across Delaware prior to drilling below 7200' if mud log shows warrant.

# Con't... POINT 6: TECHNICAL STAGES OF OPERATION

# B) LOGGING

Run #2:

GR-CNL-LDT-LLD run from TD to 7-5/8" ICP, FMI across Wolfcamp as needed.

# C) CORING

No cores are anticipated.

# D) CEMENT

|   |  | FT OF         |  |         |            |        |  |  |  |
|---|--|---------------|--|---------|------------|--------|--|--|--|
| INTERVAL<br>SURFACE                                 | AMOUNT SX  | FILL          | TYPE   | GALS/SX | PPG        | FT3/SX |  |  |  |
| 0' - 600'<br>(100% excess)                          | 750 sx   | 600           | Class C + 2% CaCl₂ +<br>1/4#/sx Flocele  | 6.34    | 14.80      | 1.34   |  |  |  |
| INTERMEDIATE  |  |               |  |         |            |        |  |  |  |
| INTERVAL<br>Lead                                    | AMOUNT SXS   | FT OF<br>FILL | TYPE   | GALS/SX | PPG        | FT³/SX |  |  |  |
| 0' - 2700'<br>(100% Excess)                         | 1050   | 2700          | Halco Lite + 2% CaCl <sub>2</sub> + 1/4#/sx Flocele                                | 10.79   | 12.80      | 2.01   |  |  |  |
| Tail<br>2700' – 3400'<br>(100% Excess)              | 750  | 700           | Class C + 2% CaCl <sub>2</sub>   | 6.34    | 14.80      | 1.34   |  |  |  |
| PRODUCTION (Two                                     | PRODUCTION (Two stage w/DV tool @ 8000' and circulate cement to 3500') FT OF |               |  |         |            |        |  |  |  |
| INTERVAL<br>1 <sup>st</sup> Stage                   | AMOUNT SXS   | FILL          | TYPE   | GALS/SX | <u>PPG</u> | FT³/SX |  |  |  |
| LEAD<br>9000'-11,050'<br>(50% excess)               | 570  | 2050          | Poz Mix H 50/50 + 2% Gel<br>+ 0.3% Halad 322 + 0.3%<br>Halad 344 + 2.5% KCL (BWOW) | 5.76    | 14.20      | 1.27   |  |  |  |
| 2 <sup>nd</sup> Stage<br>LEAD                       |  |               |  |         |            |        |  |  |  |
| 3000'-7,000'<br>(50% excess)                        | 650  | 4000          | Lt Premium + 0.25 Flocele<br>_ 0.5% Halad 9  | 11.14   | 12.40      | 2.00   |  |  |  |
| TAIL<br>7,000'-9,000'<br>(50% excess)               | 510  | 2000          | Poz Mix H 50/50 + 2% Gel<br>+ 0.3% Halad 322 + 0.3%<br>Halad 344 + 2.5% KCL (BWOW) | 5.76    | 14.20      | 1.27   |  |  |  |
| PRODUCTION LINER<br>10,800'-14,750'<br>(25% excess) | 305  | 3950          | Class H + 0.8% Halad 322<br>+ 0.6% Halad 344 + 0.2%<br>HR-7 + 5pps Microbond M     | 5.75    | 15.40      | 1.29   |  |  |  |

# E) DIRECTIONAL DRILLING (See attached directional plan.)

No directional services anticipated. A straight hole will be drilled to 14,750' TD.

#### POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout the Delaware, Bone Spring & Wolfcamp sections. The Morrow expected BHP is 8000 (max) or an equivalent mud weight of 10.5 ppg @ TD. 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  $230^{\circ}F$ . No  $H_2S$  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

55 days drilling operations

15 days completion operations

JCW/mac July 7, 2000

# **MULTI-POINT SURFACE USE PLAN**

#### NAME OF WELL: POKER LAKE UNIT #153

LEGAL DESCRIPTION - SURFACE: 1830' FNL & 1980' FEL, Section 6, T24S, R30E, Eddy County, New Mexico.

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

A) Proposed Well Site Location:

See Exhibit "A".

B) Existing Roads:

From State Hwy 128 & CR 793, go 4.0 miles southerly on county road, then turn left & go 3.5 miles South on lease road. Turn left and go 1/2 miles east into location.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit "A".

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

A) Route Location:

See exhibit "A-1" & survey plats. The new road will be approximately 4700' long. The proposed road will be routed per Barry Hunts' instructions to provide minimal impact to ranching operations.

B) Width

12' wide

C) Maximum Grade

Not applicable.

D) Turnout Ditches

Spaced per BLM requirements

E) Culverts, Cattle Guards, and Surfacing Equipment None.

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

Exhibit "A-1" indicates existing wells within the surrounding area.

#### POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

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

  None.
- B) New Facilities in the Event of Production:

Will build new facilities at location pad and lay a flowline to those facilities.

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

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 the surrounding topography – See Point 10.

#### POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Brine water will be hauled from commercial facilities. Fresh water to be hauled from Carlsbad, New Mexico; Mills Ranch; or Diamond and Half Water Station.

B) Water Transportation System

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

Page 3

#### A) Materials

Surface caliche will be used if possible. If not found on location, caliche service will be nearest BLM – approved open pit.

#### B) Land Ownership

Federally owned land for both surface locations and bottom hole location.

#### 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", "B", & survey plats.

# POINT 7: METHODS FOR HANDLING WASTE MATERIAL

#### A) Cuttings

Cuttings will be contained in the plastic lined reserve pit.

#### B) Drilling Fluids

Drilling fluids will be contained in the plastic lined reserve pit.

#### C) Produced Fluids

Water production will be contained in the plastic lined 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. In any case, the "mouse" hole and the "rat" hole will be filled and covered. The reserve pit will be bird netted and fenced. 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

Exhibit "A" 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" and "C".

C) Lining of the Pits

The reserve pits will be lined with plastic.

#### POINT 10: PLANS FOR RESTORATION OF THE SURFACE

#### A) Reserve Pit Cleanup

Pits will be fenced immediately after spudding and maintained until backfilled. Prior to back-filling, any hydrocarbon material on the pit 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 to Bureau of Land Management stipulations in the appropriate season following restoration.

# B) Restoration Plans - Production Developed

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

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 Time table

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 is a windmill approximately 1-1/2 miles Northeast of proposed location.

# G) Residences and Buildings

No buildings within several miles of wellsite.

#### H) Historical Sites

None observed.

# 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 and new access road is on federally owned land. No ROW will be required.

- 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
(915) 683-2277

PRODUCTION
Mike Waygood
910 N. Canal, Suite 704
Carlsbad, New Mexico 88220
(505) 887-7329

Keith E. Bucy Box 2760 Midland, Texas 79702 (915) 683-2277

#### **POINT 13: CERTIFICATION**

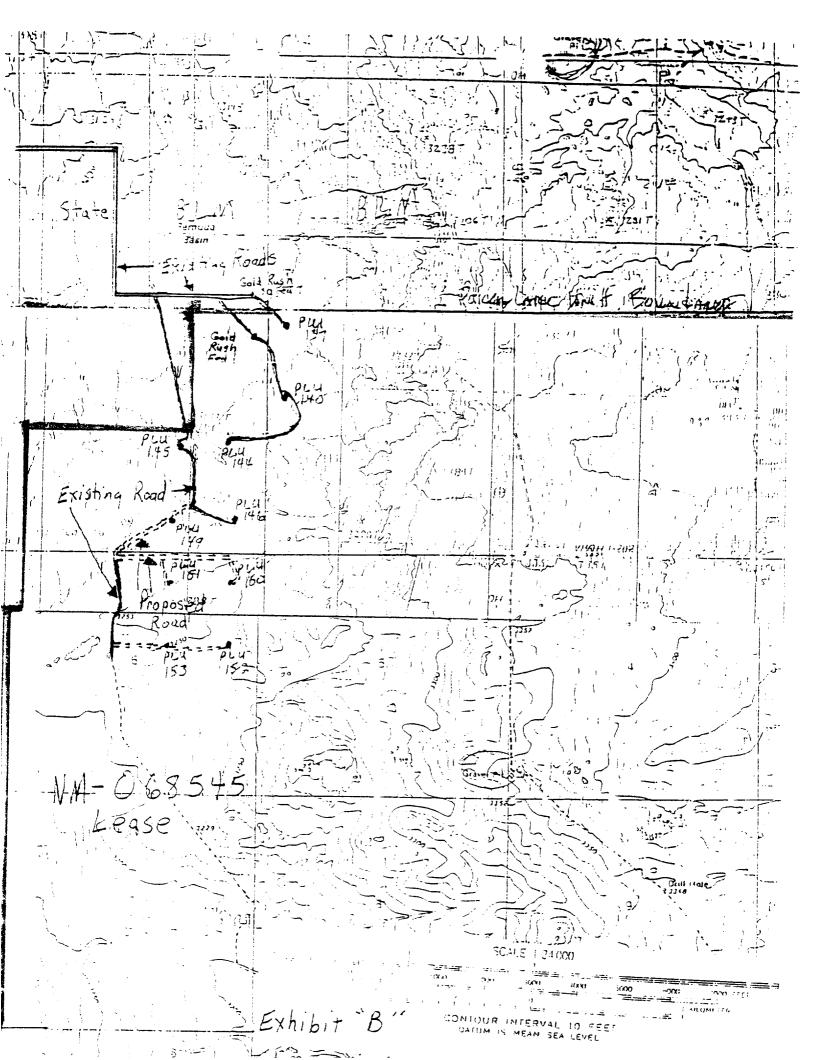
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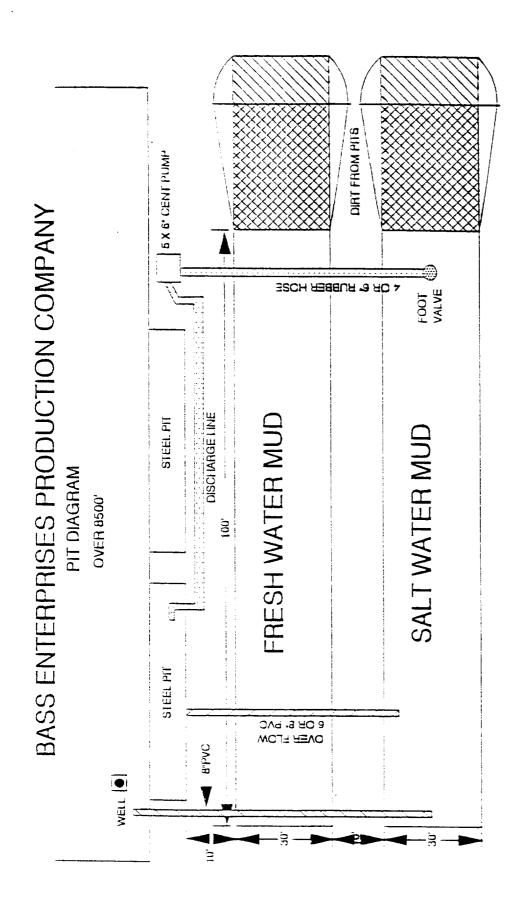
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated 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

William R. Dannels

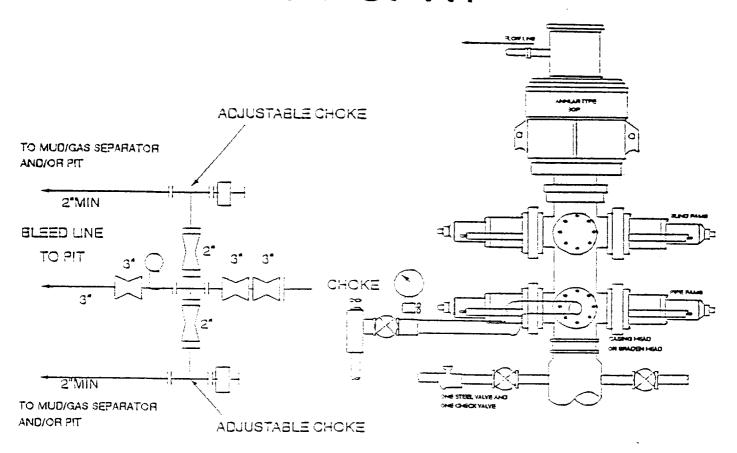
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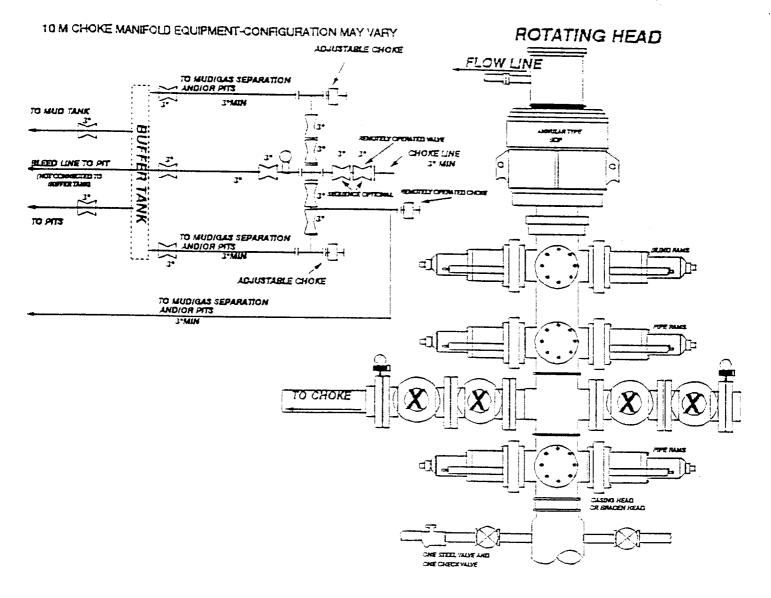
# 3000 PSI WP



#### THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REDUIREMENTS

- 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.
- The available closing pressure small 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 anili pipe to be located on hig floor.
- 4. All chakes will be adjustable. Chake spool may be used between nams.

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



# THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS:

- A. Opening between the ram to be flanged, studded, or clamped.
- B. All connections from operating manifolds to preventers to be all steel hose or tube a minimum of one inch diameter.
- C. 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 preventors.
- D. ALL connections to and from preventer to have a pressure rating equivalent to that of the BOPs.
- E. Manual controls to be installed before drilling cement plug.
- F. Kelly cock to be installed on kelly.
- G. Inside blowout preventer to be available on rig floor.
- H. Dual operating controls: one located by drillers position and the other located a safe distance from the rig floor.
- I. All chokes will be adjustable.