

EC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

H-08

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC059365
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" 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		7. If Unit or CA Agreement, Name and No. NMNM68294X
Contact: TAMI WILBER E-Mail: twilber@basspet.com		8. Lease Name and Well No. BIG EDDY UNIT 144
3a. Address P O BOX 2760 MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432.683.2277 Fx: 432.687.0329	9. API Well No. 30-015-33103
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface NWNW 660FNL 710FWL At proposed prod. zone NWNW 660FNL 710FWL		10. Field and Pool, or Exploratory E CARLSBAD-MORROW U a d o s .
14. Distance in miles and direction from nearest town or post office 9 MILES EAST OF CARLSBAD, NM		11. Sec., T., R., M., or Bk. and Survey or Area Sec 30 T21S R28E Mer NMP SME: BLM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'		12. County or Parish EDDY
16. No. of Acres in Lease (D)		13. State NM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1775'		17. Spacing Unit dedicated to this well 320.00
19. Proposed Depth 12500 MD		20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3170 GL		23. Estimated duration 45 DAYS
22. Approximate date work will start 06/02/2003		

CARLSBAD CONTROLLED WATER BASIN

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.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) TAMI WILBER Ph: 432.683.2277	Date 05/07/2003
Title PRODUCTION CLERK		
Approved by (Signature) /s/ Leslie A. Theiss	Name (Printed/Typed) /s/ Leslie A. Theiss	Date JUN 4 2003
Title FIELD MANAGER	Office CARLSBAD FIELD 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 #21470 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 05/07/2003 (03LA0498AE)APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

511 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name East Carlsbad (Morrow)
Property Code 001776	Property Name BIG EDDY UNIT		Well Number 144
OGED No. 001801	Operator Name BASS ENTERPRISES PRODUCTION COMPANY		Elevation 3170'

Surface Location

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	30	21 S	28 E		660	NORTH	710	WEST	EDDY

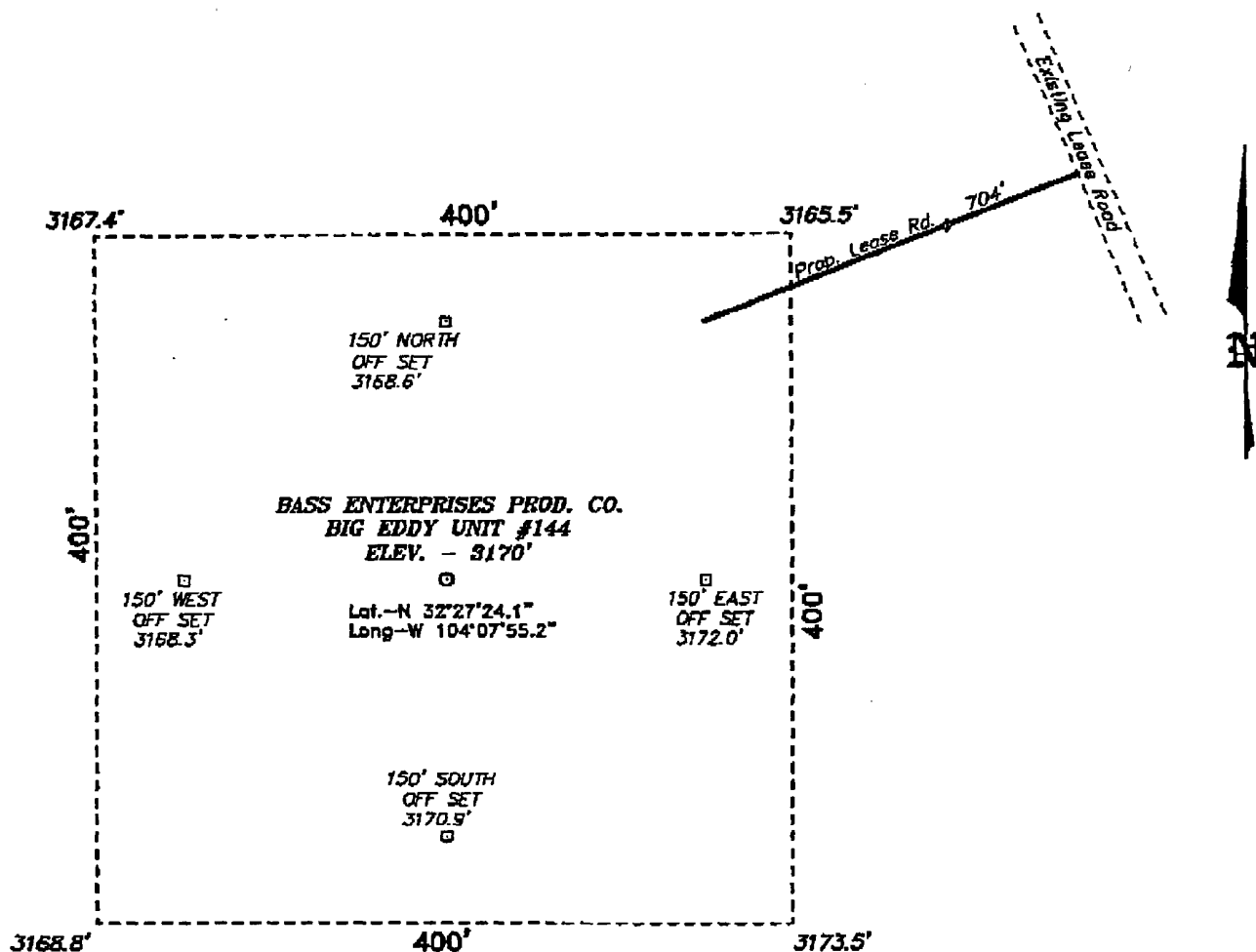
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill		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

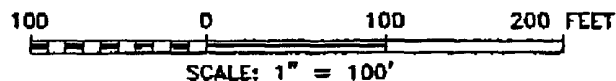
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>William R. Dannels</u> W.R. DANNELS Printed Name DIVISION DRILLING SUPT. Title Date <u>5/7/03</u>	
	SURVEYOR CERTIFICATION I hereby certify that the well 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. Date Surveyed <u>MARCH 08, 2003</u> Signature and Seal of Professional Surveyor <u>[Signature]</u> Professional Surveyor No. <u>7977</u> Certificate No. <u>7977</u>	
	Date Surveyed <u>MARCH 08, 2003</u> Signature and Seal of Professional Surveyor <u>[Signature]</u> Professional Surveyor No. <u>7977</u> Certificate No. <u>7977</u>	
	Date Surveyed <u>MARCH 08, 2003</u> Signature and Seal of Professional Surveyor <u>[Signature]</u> Professional Surveyor No. <u>7977</u> Certificate No. <u>7977</u>	

SECTION 30, TOWNSHIP 21 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF CO. RD. 603A AND US HWY 62/180, GO SOUTHWEST ON HWY 62/180 FOR APPROX. 0.30 MILE TO A LEASE ROAD; THENCE SOUTHEAST ON LEASE ROAD FOR APPROX. 0.36 MILE; THENCE SOUTHERLY FOR APPROX. 0.75 MILE TO PROPOSED LEASE ROAD.



BASS ENTERPRISES PRODUCTION CO.

REF: BIG EDDY UNIT No. 144 / Well Pad Topo

THE BIG EDDY UNIT No. 144 LOCATED 660' FROM
THE NORTH LINE AND 710' FROM THE WEST LINE OF
SECTION 30, TOWNSHIP 21 SOUTH, RANGE 28 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 315B

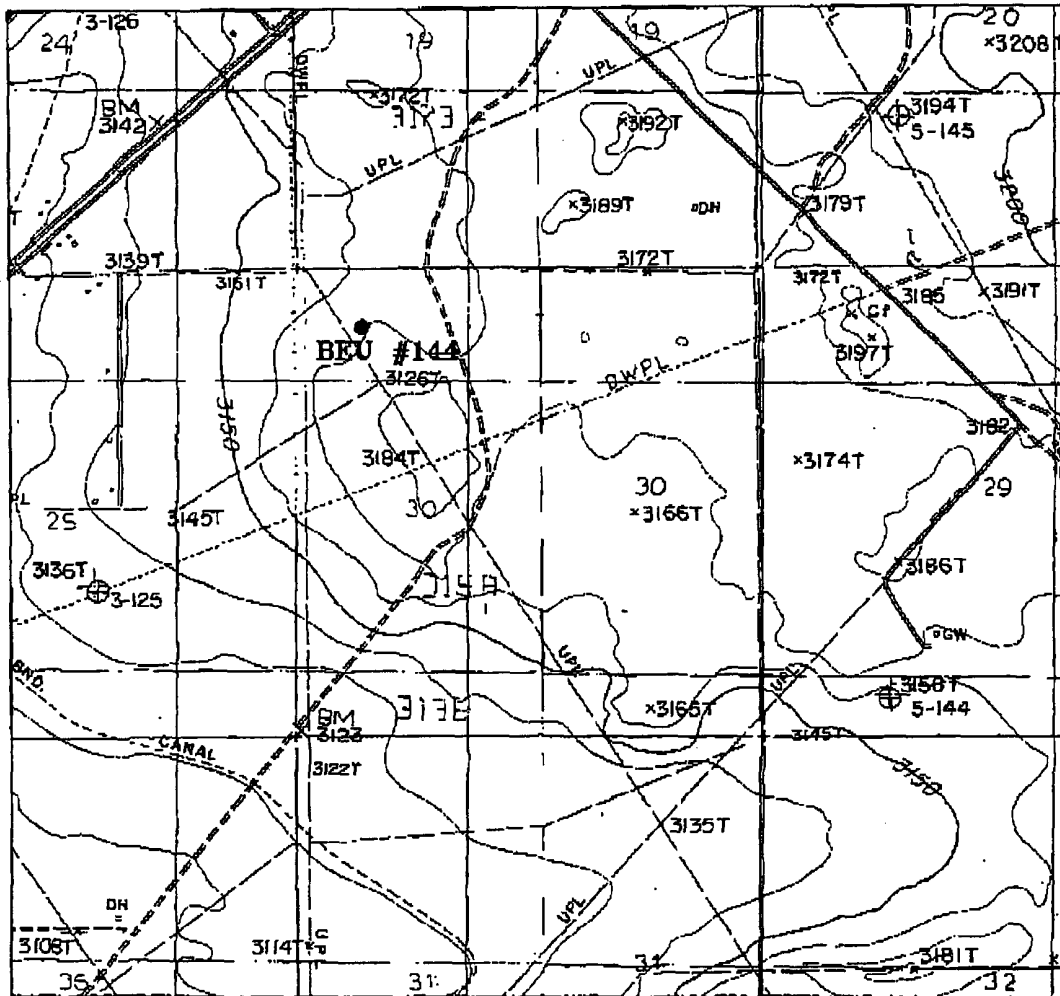
Drawn By: K. GOAD

Date: 04-01-2003

Disk: KJG CD#7 - 315BA.DWG

Survey Date: 03-28-2003

Sheet 1 of 1 Sheets



BIG EDDY UNIT #144

Located at 660' FNL and 710' FWL
 Section 30, Township 21 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
 basin-surveys.com

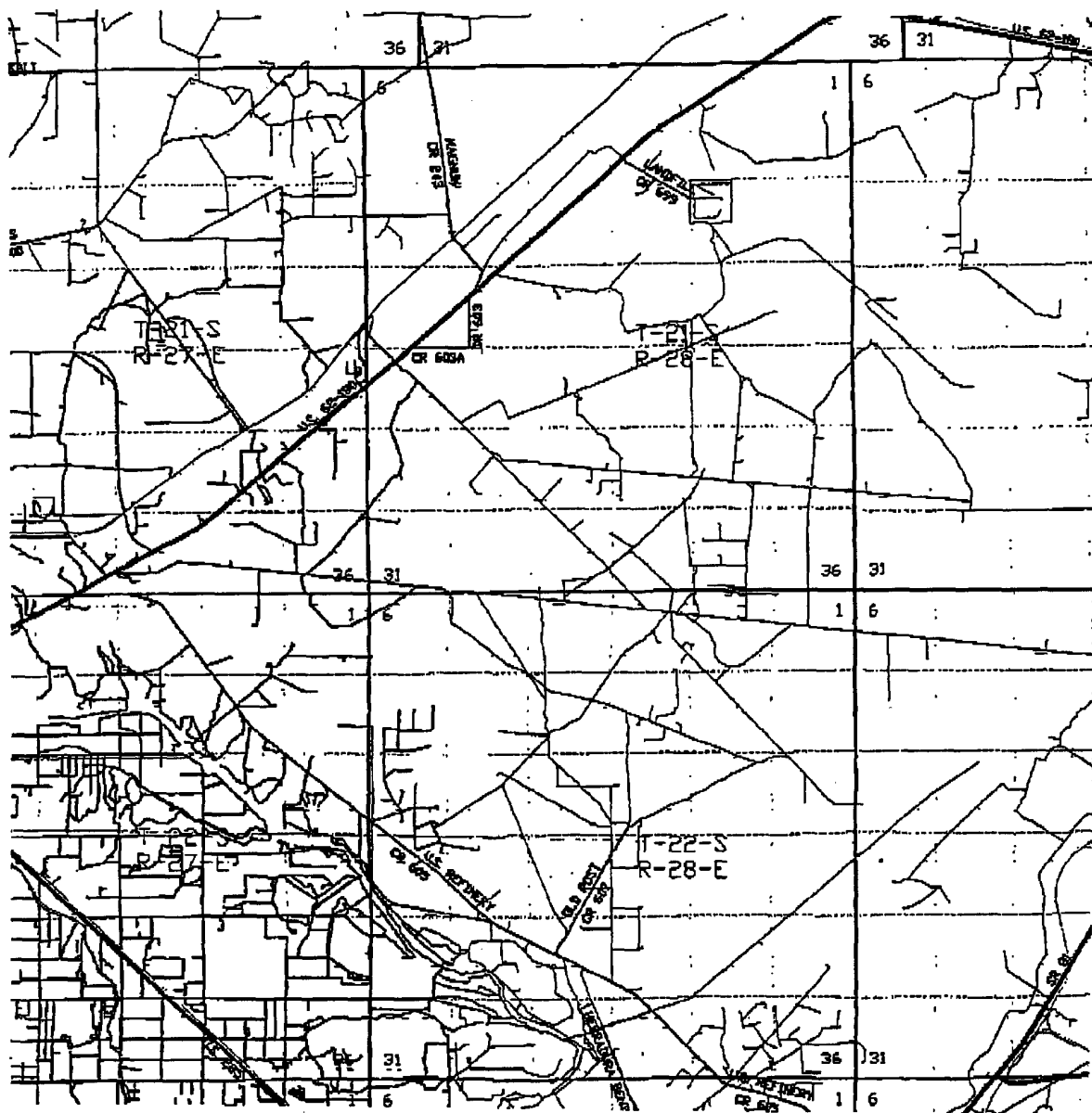
W.O. Number: 3158AA - KJG #7

Survey Date: 03-28-2003

Scale: 1" = 2000'

Date: 04-01-2003

**BASS ENTERPRISES
 PRODUCTION CO.**



BIG EDDY UNIT #144

Located at 660' FNL and 710' FWL
Section 30, Township 21 South, Range 28 East,
N.M.P.M., Eddy County, New Mexico.

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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: 3158AA - KJG #7

Survey Date: 03-28-2003

Scale: 1" = 2 MILES

Date: 04-01-2003

**BASS ENTERPRISES
PRODUCTION CO.**

EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: BIG EDDY UNIT #144

LEGAL DESCRIPTION - SURFACE: 660' FNL & 710' FWL, Section 30, T21S, 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 3192' (est)
GL 3170' (est)

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Capitan Reef	1,127'	+ 2,065'	Barren
B/Reef (T/Delaware Sand)	2,627'	+ 565'	Oil/Gas
T/Bone Spring	5,609'	- 2,417'	Barren
T/Wolfcamp	9,134'	- 5,942'	Oil/Gas
T/Strawn	10,332'	- 7,140'	Oil/Gas
T/Strawn "C"	10,567'	- 7,375'	Oil/Gas
T/Atoka	10,717'	- 7,525'	Oil/Gas
T/Morrow	11,279'	- 8,087'	Oil/Gas
TD	12,500'	- 9,308'	

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", 54.5#, J-55, STC	0' - 500'	Surface	New
9-5/8", 40#, N80, LTC	0' - 1,000'	Intermediate	New
9-5/8", 40#, K-55, LTC	1,000' - 2,600'	Intermediate	New
7", 26#, P-110, LTC	0' - 11,000'	Intermediate	New
7", 26#, S-95, LTC	11,000' - 11,200'	Intermediate	New
5", 18#, P110, STL	10,800' - 12,500'	Production Liner	New

WITNESS

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A rotating head will be nipped up on the surface casing. The rotating head will not be hydro-tested.

A BOP equivalent to Diagram 1 will be nipped up on the first and second intermediate casings. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to 5,000 psi on the first intermediate and the second intermediate casing. The annular will be tested to 2500 psi. In addition to the rated working pressure test, a low pressure (250 psi) test will be required. 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' - 500'	FW	8.5 - 9.2	45-35	NC	NC	NC	9.5
500' - 2,600'	CBW FW	9.2 - 10.0	28-30	NC	NC	NC	9.6
2,600' - 9,300'	FW	8.8 - 8.9	28-30	4	2	NC	9.5
9,300' - 11,200'	CBW	8.9 - 11.5	28-30	6	4	<20	9.5
11,200' - TD	CBW/Polymer	9.0 - 9.5	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, but none are anticipated.

B) LOGGING

Run #1:

GR-CNL-LDT-LLD run from 11,200' to TD to first ICP, GR-CNL to surface. May run logging suite across Delaware prior to drilling below 6000' if mud log shows warrant.

Run #2:

GR-CNL-LDT-LLD run from TD to second ICP, FMI as required.

C) CORING

No cores are anticipated.

D) CEMENT

<u>INTERVAL</u> <u>SURFACE</u>	<u>AMOUNT SX</u>	<u>FT OF</u> <u>FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
Lead						
0' - 200' (100% excess)	170	200	Permian Basin Critical + Zone + Pol-e-flake	10.30	12.80	1.89
Tail						
200'-500' (100% Excess)	340	300	Premium Plus + 2% CaCl ₂ + 1/8#/sx Pol-e-flake	6.32	14.80	1.34
<u>INTERMEDIATE</u>						
<u>INTERVAL</u>	<u>AMOUNT SXs</u>	<u>FT OF</u> <u>FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
Lead						
0' - 2165' (100% Excess)	565	2165	Interfill C + 1/8#/sx + Pol-e-flake	14.10	11.90	2.45
Tail						
2165' - 2600' (100% Excess)	235	435	Premium Plus + 2% CaCl ₂	6.34	14.80	1.34
<u>PRODUCTION</u> (Two stage w/DV tool @ 8000' and circulate cement to 2000')						
<u>INTERVAL</u>	<u>AMOUNT SXs</u>	<u>FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT³/SX</u>
<u>1st Stage</u>						
LEAD						
8000'-10,500' (50% excess)	225	2500	Interfill H + 5pps Gilsomite + 0.5% Halad 9 + 1/8 pps Pol-e-flake	13.61	11.90	2.48
TAIL						
10,500'-11,200' (50% excess)	100	700	Super H + 0.5% Halad 344 + 0.4% CFR3 + 5 pps Gilsomite + 1 pps Salt + 0.2% HRT	8.20	13.00	1.67
<u>2nd Stage</u>						
LEAD						
2200'-7,300' (50% excess)	475	5100	Interfill H + 1/8 pps Pol-e-flake + 0.5% Halad 9	14.00	11.90	2.45
TAIL						
7,300'-8,000' (50% excess)	100	700	Super H + 0.5% Halad 344 + 0.4% CFR3 + 5 pps Gilsomite + 1 pps Salt + 0.2% HRT	8.20	13.00	1.67
<u>PRODUCTION LINER</u>						
10,800'-12,500' (25% excess)	145	1700	Class H + 0.8% Halad 322 + 0.6% Halad 344 + 0.2% HR-7 + 5pps Microbond M	5.68	15.40	1.28

E) DIRECTIONAL DRILLING

No directional services anticipated. A straight hole will be drilled to 12,500' 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 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 H₂S 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

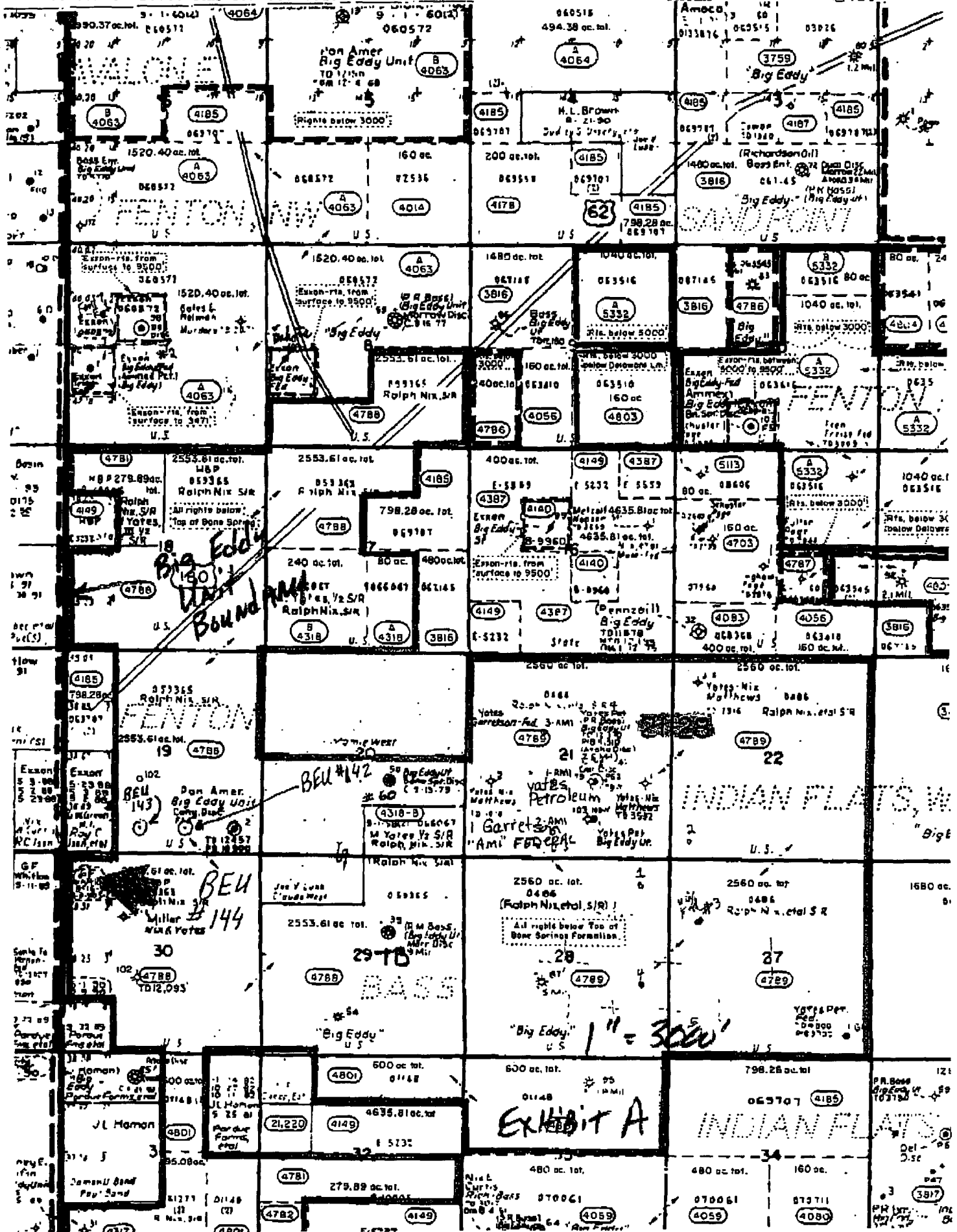
45 days drilling operations

20 days completion operations

May 7, 2003
Date

WRD/tlw

William R. Dannels
William R. Dannels *by-tlw*



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

Kent A. Adams
Box 2760
Midland, Texas 79702
(915) 683-2277

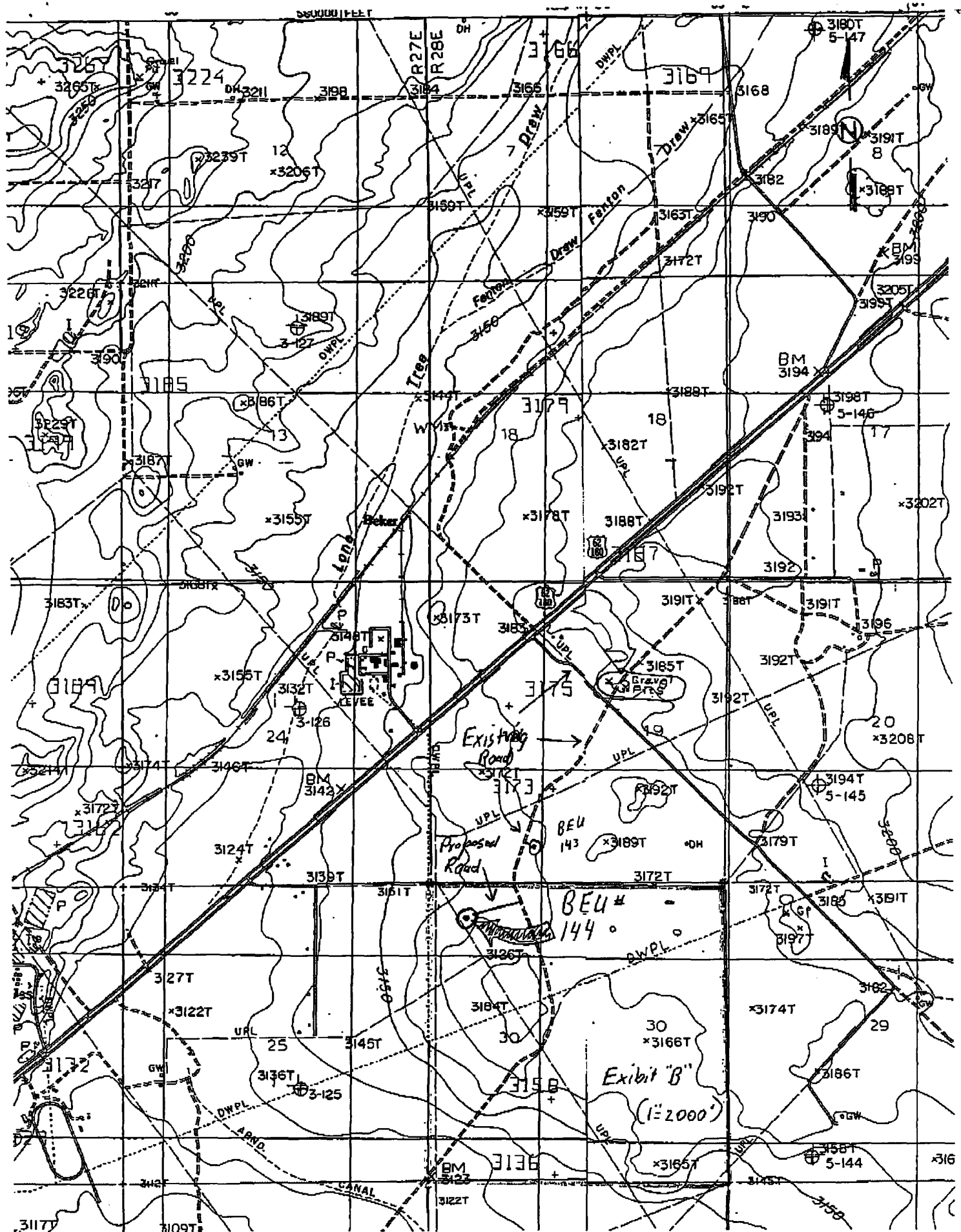
POINT 13: CERTIFICATION

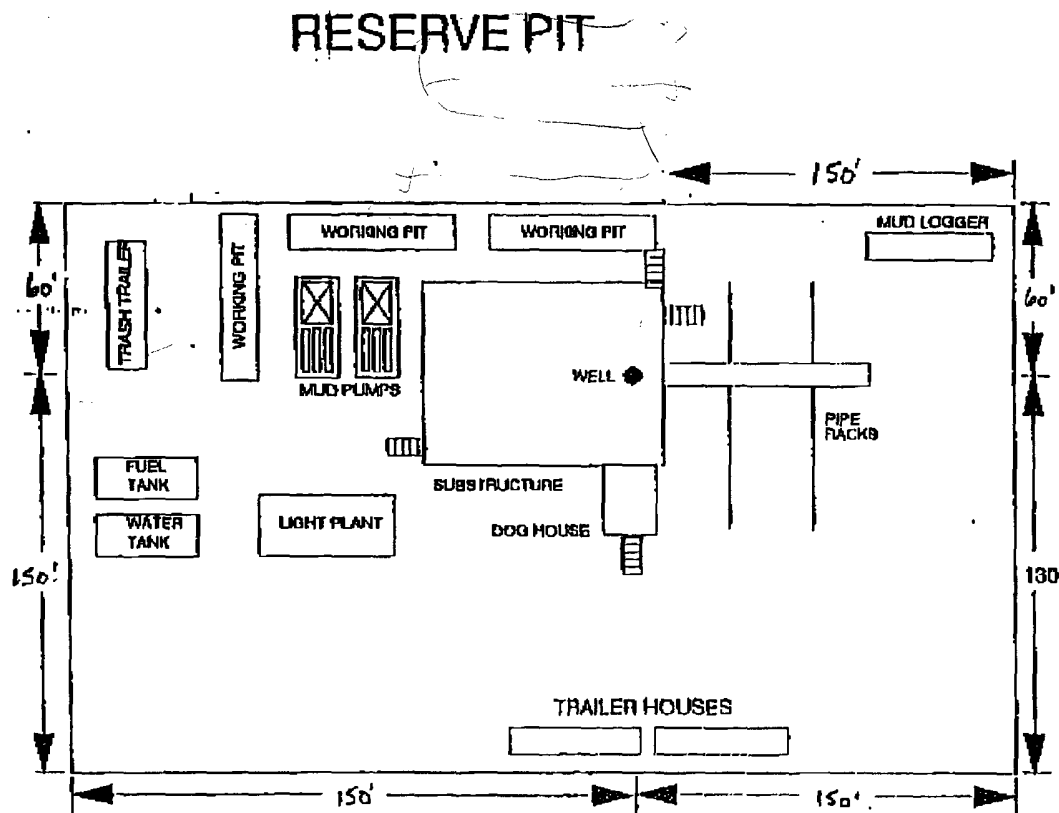
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated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

May 6, 2003
Date


William R. Dannels

WRD:tlw





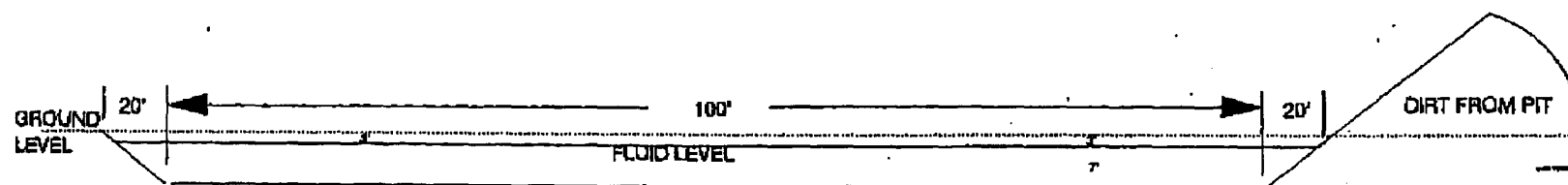
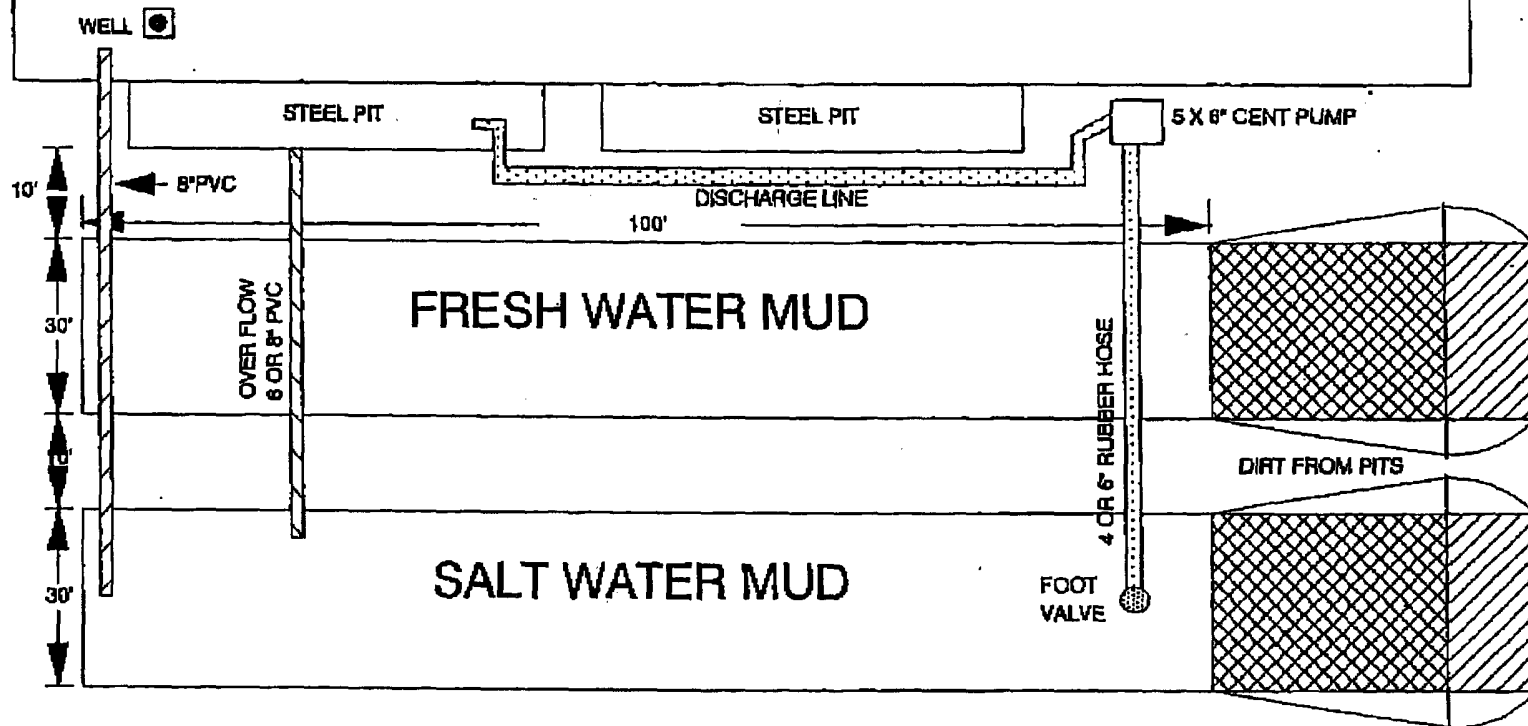
V door West

EXHIBIT "C"

BASS ENTERPRISES PRODUCTION COMPANY

PIT DIAGRAM

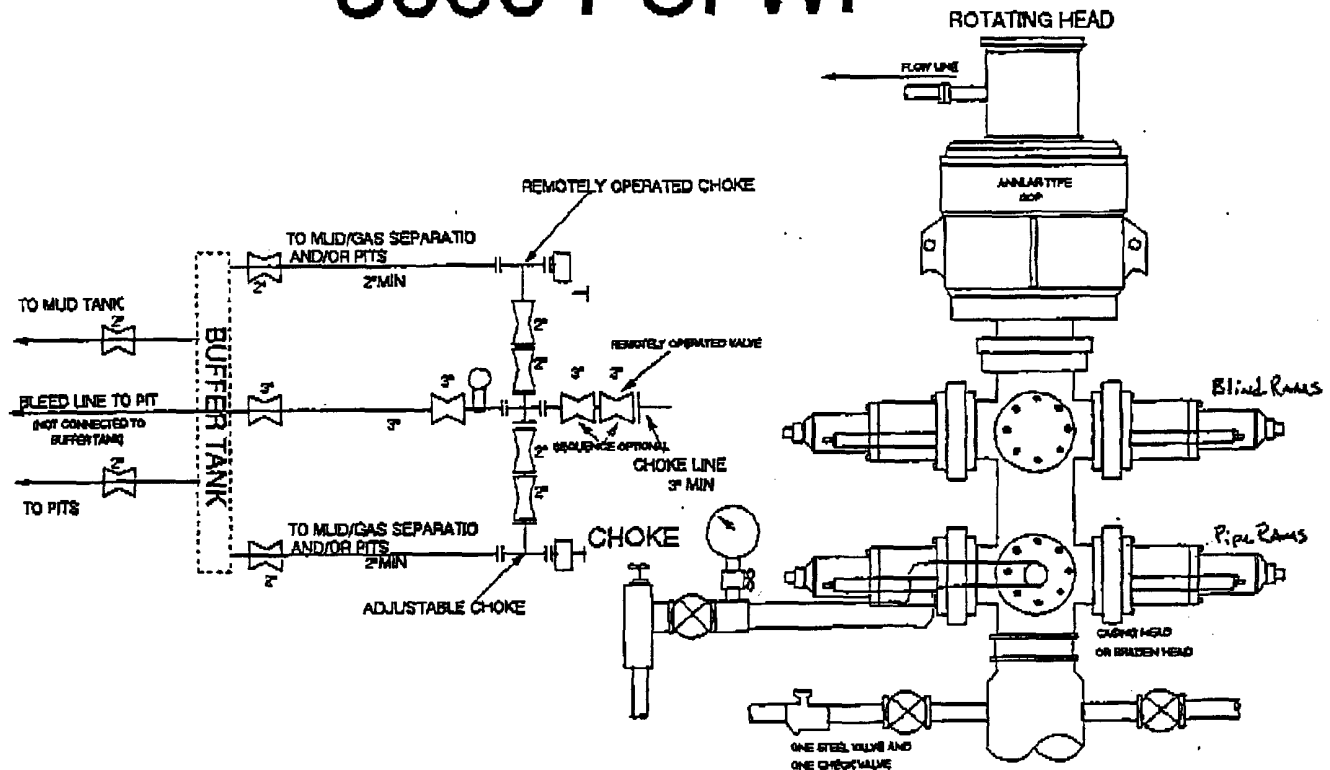
OVER 8500'



LINE PITS WITH 20 MILL PLASTIC

Exhibit D

5000 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

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

November 5, 2003

RECEIVED

NOV 10 2003

OCD-ARTESIA

FEDERAL EXPRESS & FAX TRANSMITTAL (505) 748-2368


MYCO Industries, Inc.
423 W. Main Street
Artesia, New Mexico 88210
Attention: Shari Darr Hodges

Re: Drilling Permit
Big Eddy Unit No. 144
Section 30, T21S-R28E
Eddy County, New Mexico

Dear Shari:

This is to advise you that Bass intends to commence operations for the drilling of the referenced well in the near future at Bass' original proposed location of 660' FNL, 660' FWL of Section 30, T21S-R28E. According to our Letter Agreement dated June 27, 2003, please notify all governmental agencies in writing in order to withdraw MYCO's drilling permits in the W/2 of Section 30 (Topeka 30 Fed. Com. No. 1 and No. 2) at your earliest convenience. Please provide the undersigned with a copy of your letter. Thank you very much and should you have any further questions or comments in the above regard, please advise.

Very truly yours,


J. Wayne Bailey

JWB:ca

cc: John Smitherman

Tim Gumm ✓
New Mexico Oil Conservation Division
1301 W. Grand Avenue
Artesia, New Mexico 88210