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DISTRICT IV

P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

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1997 JUL -3 A 9:17

☐ AMENDED REPORT

BUREAU OF LAND MGMT.

FOSWELL OFFICE

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Bass Enterprises Production Co. P O Box 2760 Midland, Texas 79702-2760 915-683-2277		2. OGRID Number 001801
		3. API Number 30-015-29715
4. Property Code E-5229 1796	5. Property Name Poker Lake Unit	6. Well No. 137

7. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	23S	30E		330	North	330	West	Eddy

8. Proposed 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

9. Proposed Pool 1 (Delaware) 96472	10. Proposed Pool 2
--	---------------------

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code State	15. Ground Level Elevation 3127'
16. Multiple N	17. Proposed Depth 7400'	18. Formation Bone Spring	19. Contractor Lakota Drilling	20. Spud Date ASAP

21. Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4"	11-3/4"	42#	600'	430	Surface
11"	8-5/8"	28#	3450'	820	Surface
7-7/8"	5-1/2"	15.5# & 17#	7400'	677	TOC @ 3250 inside
18 Hours for 11 3/4" & 8 5/8" casing					8-5/8" X 5-1/2" annulus

22. Described the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

The surface casing will be set into the Rustler below all fresh water sands.
The intermediate casing will be set into the top of the Lamar Lime.
This well is outside the R-111 Potash Area.

Post ID-1
7-18-97
New Doc #
APF

23. I hereby certify that the information given above is true and complete to the of my knowledge and belief.

Signature: *William R. Dannels* For

Printed Name: William R. Dannels

Title: Division Drilling Supt.

Date: July 2, 1997

Phone: (915) 683-2277

OIL CONSERVATION DIVISION

Approved by: *Jim W. Grem* BGATitle: *District Supervisor*

Approval Date: 7-16-97 / Expires 7-16-98

Conditions of Approval:

Attached

—

8 Hours for "Big" & "Small" & "Medium" & "Large" & "Extra Large" & "Super Large" & "Gigantic" & "Colossal" & "Enormous" & "Immense" & "Vast" & "Boundless" & "Infinite" & "Eternal" & "Everlasting" & "Forever" & "Forevermore" & "Forever and Ever" & "Forever and Evermore" & "Forever and Evermore Amen"

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
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DISTRICT II
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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Remuda Basin (Delaware)
Property Code	Property Name	Well Number
E-5229	POKER LAKE UNIT	137
GRID No.	Operator Name	Elevation
001801	BASS ENTERPRISES PRODUCTION COMPANY	3127'

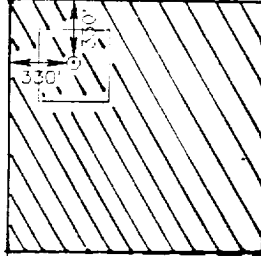
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	23 S	30 E		330	NORTH	330	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	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

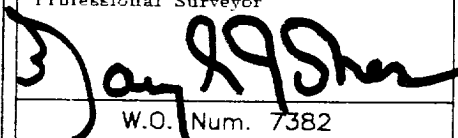
OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.


Signature
Bobby G. Herriage
Printed Name
Asst. Drilling Foreman
Title
7-2-97
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.

June 26, 1997
Date Surveyed
Signature & Seal of Professional Surveyor

W.O. Num. 7382
Certificate No. GARY L. JONES, 1977

SECTION 32, TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

MARALO
G.R. 30 #7

← Not to Scale

PROPOSED ROAD

755'

DRAW

DRAW

100' North
Offset

100' West
Offset

100' East
Alt. #1
ELEV. - 3129'

200' East
Alt. #2
ELEV. - 3129'

BASS ENTERPRISES PRODUCTION COMPANY
POKER LAKE UNIT #137
Elev. - 3127'

100' South
Offset

ARROYO

ARROYO



100 0 100 200 Feet

BASS ENTERPRISES PROD. CO.

REF: Poker Lake Unit No. 137 / Well Pad Tapo

THE POKER LAKE UNIT #137 LOCATED 330' FROM
THE NORTH LINE AND 330' FROM THE WEST LINE OF
SECTION 32, TOWNSHIP 23 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 7382

Drawn By: KJG

Date: 06-30-97

Disk: KJG #12 - 7382A.DWG

Survey Date: 06-26-97

Sheet 1 of 1 Sheets

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

NAME OF WELL: POKER LAKE UNIT #137

LEGAL DESCRIPTION - SURFACE: 330' FNL & 330' FWL, Section 32, T-23-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 3142' (est)
GL 3127'

<u>FORMATION</u>	<u>ESTIMATED TOP FROM KB</u>	<u>ESTIMATED SUBSEA TOP</u>	<u>BEARING</u>
T/Rustler	302'	+2840'	Barren
T/Salt	719'	+2423'	Barren
B/Salt	3222'	- 80'	Barren
T/Lamar Lime	3445'	- 303'	Oil/Gas
T/Ramsey Sand	3476'	- 334'	Oil/Gas
T/Lwr Brushy Canyon	6972'	- 3830'	Oil/Gas
T/"W" Sand	7039'	- 3897'	Oil/Gas
T/"Y" Sand	7132'	- 3990'	Oil/Gas
T/Bone Spring	7232'	- 4100'	Oil/Gas
TD	7400'	- 4258'	

POINT 3: CASING PROGRAM

<u>TYPE</u>	<u>INTERVALS</u>	<u>PURPOSE</u>	<u>CONDITION</u>
11-3/4", 42#, WC-40, STC	0' - 600'	Surface	New
8-5/8", 28, LT&C	0' - 3450'	Intermediate	New
5-1/2", 17# & 15.50#, K-55, LT&C	0' - 7400'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOP equivalent to Diagram 1 will be nipped up on the surface casing head. When testing, 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

Con't...

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A function test of annular, pipe and blind rams to insure that the preventers are operating correctly will be performed on each trip. A function test is required only a minimum of once every 24 hours. See the attached diagram #1 for the minimum criteria for the choke manifold.

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' - 600'	FW Spud	8.4 - 9.0	45-38	NC	NC	NC	9.5
600' - 3450'	Brine	9.8 -10.2	28-30	NC	NC	NC	9.5
3450' - 6500'	Fresh Water	8.5 - 9.0	28-30	NC	NC	NC	9.5
6500' - 7400'	FW/Starch	8.5 - 9.0	28-30	NC	NC	<100	9.5

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

None anticipated.

B) LOGGING

GR-CNL from 600' to surface.

GR-CNL-LDT-AIT from TD to 600'.

C) CONVENTIONAL CORING

None anticipated.

D) CEMENT

SURFACE

<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>
0-600'	150	300	Class "C" + 4% gel + 2% CaCl ₂ + 1/4 pps Cellophane	9.09	13.5	1.74
(100% excess circ to surface)	280	300	Class C + 2% CaCl ₂	6.32	14.8	1.32

INTERMEDIATE

<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>
LEAD						
0 - 2950'	630	2950	35/65 PozC + 6% Gel + 5% Salt + 1/4 pps Cellophane	11.95	12.4	2.14
(100% excess)						
TAIL						
2950 - 3450'	190	500	Class "C" Neat	6.32	14.8	1.32
(75% excess)						

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

D) CEMENT

PRODUCTION (Two stage w/DV tool @ $\pm 5000'$)

<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>
1st Stage 5000'-7400' (50% excess)	375	2400	Class H + 1.4 gps Fumed Silica + 0.05 gps Flac + 0.2 gps Anti foam agent + 3% Salt + 0.3% Retarder	8.8	14.0	1.66
2nd Stage LEAD 3250-4700' (50% excess)	250	1450'	35/65 PozC + 6% Gel + 1/4 pps Cellophane	10.2	12.8	1.87
TAIL 4700-5000' (50% excess)	52	300'	Class C Neat	6.32	14.8	1.32

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressured formations are anticipated throughout this well. No H₂S is expected.

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

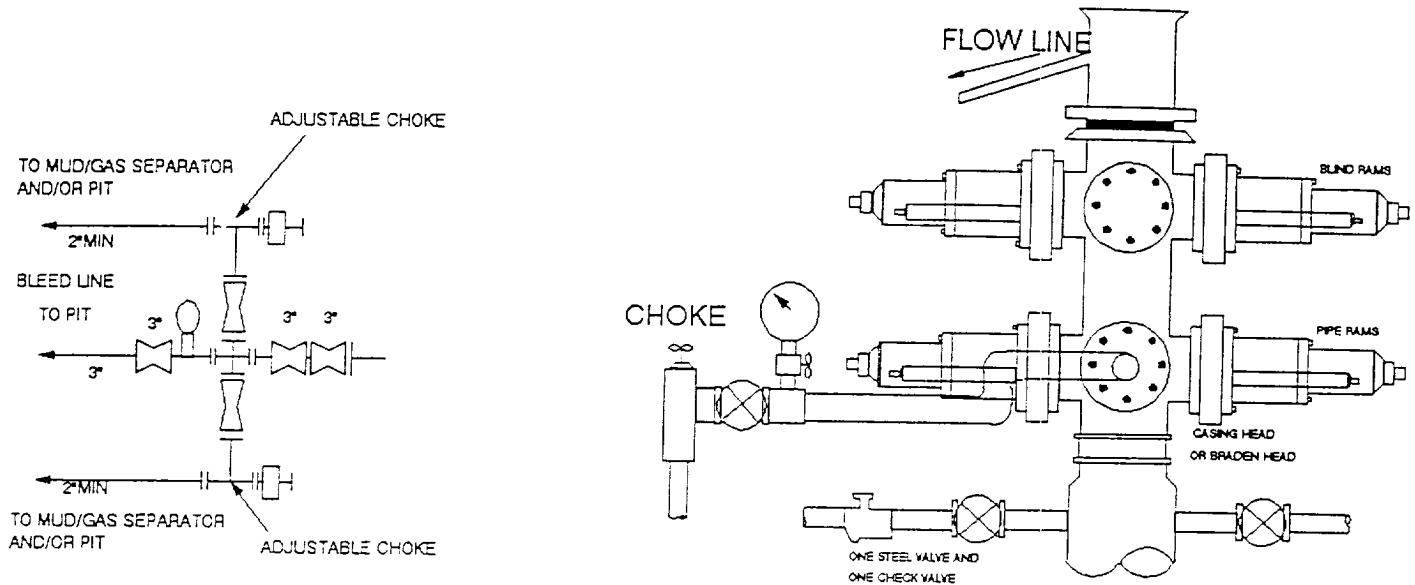
Upon approval

15 days drilling operations

14 days completion operations

BGH/mac
7/2/97

3000 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