

433

Operator: SASS ENTERPRISES PROD. CO. Well: POKER LAKE No. 107

Contact: JOHN R. SMITHERMAN Title: DIV. PROD. MGR. Phone: 915-683-2277

DATE IN 6.10.96 RELEASE DATE 6.25.96 DATE OUT 7.18.96

Proposed Injection Application is for: ☒ **WATERFLOOD** ☐ Expansion ☐ Initial

Original Order: R-_____ Secondary Recovery ____ Pressure Maintenance

SENSITIVE AREAS

X **SALT WATER DISPOSAL** _____ Commercial Well

WIPP Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd _____

26.245.30E

AREA of REVIEW WELLS

~~2~~ Total # of AOR

9 # of Plugged Wells

1 Tabulation Complete

1 Schematics of P & A's

 Cement Tops Adequate

1 AOR Repair Required

INJECTION FORMATION

Injection Formation(s) Blue Canyon 4207, 4853 Compatible Analysis IKS

Source of Water or Injectate AREA PRODUCTION

PROOF of NOTICE

46 Copy of Legal Notice

915 Information Printed Correctly

4.5 Correct Operators

46 Copies of Certified Mail Receipts

12 Objection Received

1 Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: Telephoned Letter Date Nature of Discussion

2nd Contact: _____ Telephoned _____ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned __ Letter _____ Date Nature of Discussion _____

SWD

6/23/96

10 1996

BASS ENTERPRISES PRODUCTION CO.

6 DESTA DRIVE, SUITE 3700
P.O. BOX 2760
MIDLAND, TEXAS 79702

FAX (915) 687-0329

May 21, 1996

(915) 683-2277

Re: Notice of Application For
Authorization to Convert to SWD
Poker Lake Unit #107
Poker Lake (Delaware)
Eddy County, New Mexico
FILE: 400-WF: 964P#107.APP

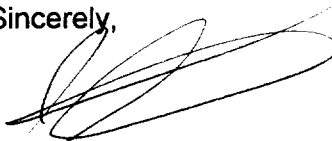
Mr. William J. LeMay
Director, Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. LeMay:

Enclosed please find Bass Enterprises Production Co.'s Application for Authorization to Convert for disposal purposes only into the Poker Lake Unit #107, located in Section 26, T24S-R30E, Eddy County, New Mexico.

If additional information is required, please contact Mr. Keith Bucy, Division Production Superintendent at the letterhead address.

Sincerely,



John R. Smitherman
Division Production Manager

dlw
JRS:tlw

Submit 3 Copies

to Appropriate

DISTRICT I

P. O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 S. 1st Street, Artesia, NM 88210-283

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

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

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

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

1. Operator Name and Address Bass Enterprises Production Company P. O. Box 2760 Midland, Texas 79702-2760		2. OGRID Number 001801 3. API Number 30-015-27959
4. Property Code	5. Property Name Poker Lake Unit	6. Well No. 107

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
I	26	24	30		1980	South	660'	East	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 Poker Lake (Delaware)					10. Proposed Pool 2				

11. Work Type Code E	12. Well Type Code S	13. Cable/Rotary	14. Lease Type Code F	15. Ground Level Elevation 3331.1' GR
16. Multiple No	17. Proposed Depth 8100'	18. Formation Delaware	19. Contractor	20. Spud Date When Approved

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#	628'	360 sx Class C	Surface
11"	8-5/8"	32#	4055'	1600 sx PSL & C	Surface
7-7/8"	5-1/2"	15.50#	5200'	340 sx PozC 35/65 + Class	3555'
				C w/2% CaCl	

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.

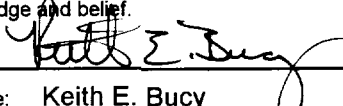
Application for Authorization to Re-enter and Convert to SWD.

Attachments:

Procedure
 Wellbore Sketch
 Well Data Sheet
 Notice letter to Operators
 Legal Newspaper Notification

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

Signature:



Printed Name: Keith E. Bucy

Title: Division Production Supt.

Date:

5/21/96

Phone:

(915) 683-2277

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached

C-101 INSTRUCTIONS

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

1. Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
2. Operator's name and address.
3. API number of this well. If this is a new drill the OCD will assign the number and fill this in.
4. Property code. If this is a new property the OCD will assign the number and fill it in.
5. Property name that used to be called "well name".
6. The number of this well on the property.
7. The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD Unit Letter.

8. The proposed bottom hole location of this well at TD.

9 and 10. The proposed pool(s) to which this well is being drilled.

11. Work type code form the following table:

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone

12. Well type code from the following table:

O	Single oil completion
G	Single gas completion
M	Multiple completion
I	Injection Well
S	SWD well
W	Water supply well
C	Carbon dioxide well

14. Lease type code from the following table:

F	Federal
S	State
P	Private
N	Navajo
J	Jicarilla
U	Ute
I	Other Indian tribe

15. Ground level elevation above sea level.

16. Intend to multiple complete? Yes or No.

17. Proposed total depth of this well.

18. Geologic formation at TD.

19. Name of the intended drilling company if known.

20. Anticipated spud date.

21. Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.

22. Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.

23. The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.

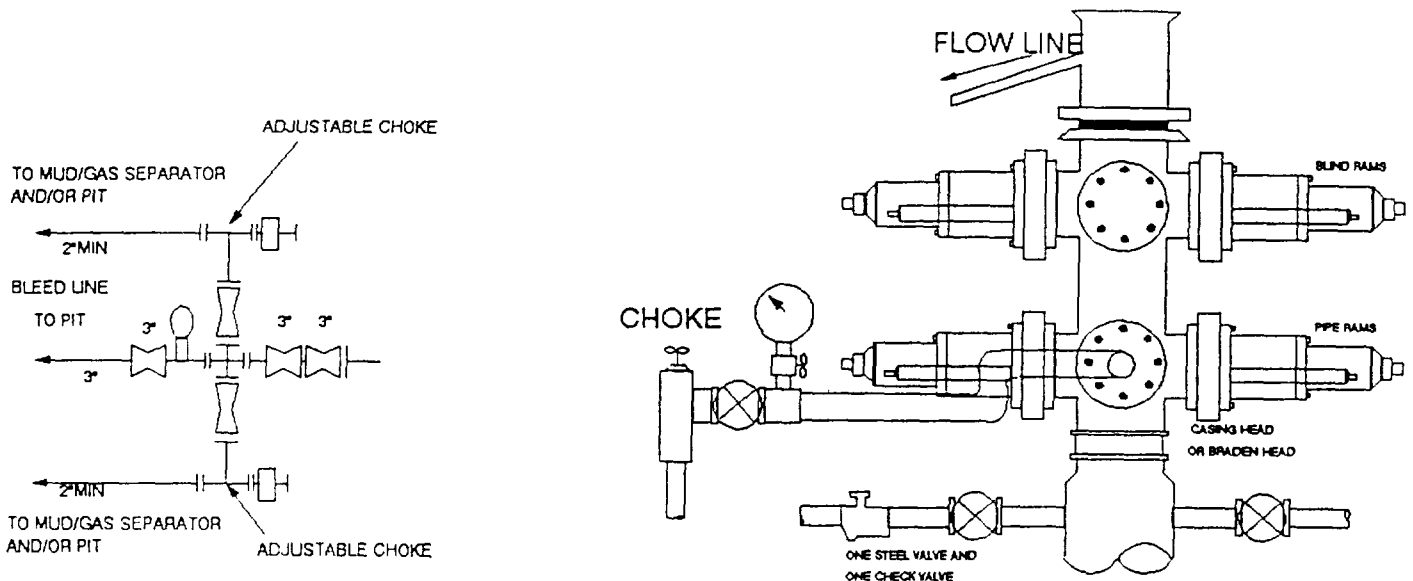
May 22, 1996

POKER LAKE UNIT #107
RE-ENTRY

Job Summary: Re-enter, clean out to 5700' and set 700' cement plug, dress off plug to 5200', and run 5-1/2" casing and complete as a SWD well.

1. Blade location and road. Dig and line working reserve pit. Fill pit with fresh water
2. Dig out cellar, remove dry hole marker and weld on 8-5/8" casinghead.
3. Move in small drilling rig.
4. Install 3000 psi BOP stack and hydrotest same.
5. Pick up 7-7/8" bit and drill out cement plug from 0'-63', 520-720' and 3898-4198'.
6. TIH to 5900', circulate and condition hole for cement plug. Circ hi-vis sweep followed by clean fresh water from mud pit.
7. POOH, lay down drill collars and bit. TIH open ended to 5900'. Circulate bottoms up.
8. Mix and spot 20 bbls of 60-80 vis gel pill from 5900'-5600'. POOH to 5700' and circulate out gel pill to pit.
9. Cement with 225 sx Class "C" + 2% CaCl₂. (This volume is 700' of hole plus 30% excess of log calipers).
10. POOH, pickup 7-7/8" bit, 500' DC, TIH to 4000' and WOC for 24 hours.
11. TIH, tag cement, dress off cement to 5200' and circulate cement out of hole. POOH.
12. Run 5-1/2", 15.50#, K-55, LTC casing to 5200'.
13. Cement with 175 sx Poz C 35/65 + 6% D20 and 165 sx Class C with 2% CaCl. WOC 12 hours.
14. Pressure test casing to 600 psi.
15. Tie into Schlumberger's LD-CNL log dated 10/31/94 and load guns 2 JSPF and 120° phasing with GOEX 34 gram charge (0.48" E.H.). Perforate the following intervals: 4207-20', 4501-05', 4618-40', 4666-73', 4752-72' and 4836-53'. Stimulate as needed.
16. TIH w/ packer and 2-3/8" IPC tubing. Swing packer @ 4080'. Circ packer fluid and set packer.
17. Pressure test annulus to 500 psig. Place well on injection.

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.

DISTRICT I
P.O. Box 1880, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

BF-7 - WTD PRODUCTION

APR 11 1994

RECEIVED

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015027959	Pool Code	Pool Name Poker Lake (Delaware)
Property Code	Property Name POKER LAKE UNIT	Well Number 107
OGRID No. 001801	Operator Name BASS ENTERPRISES PRODUCTION CO.	Elevation 3404'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	26	24 S	30 E		1980	SOUTH	660	EAST	EDDY

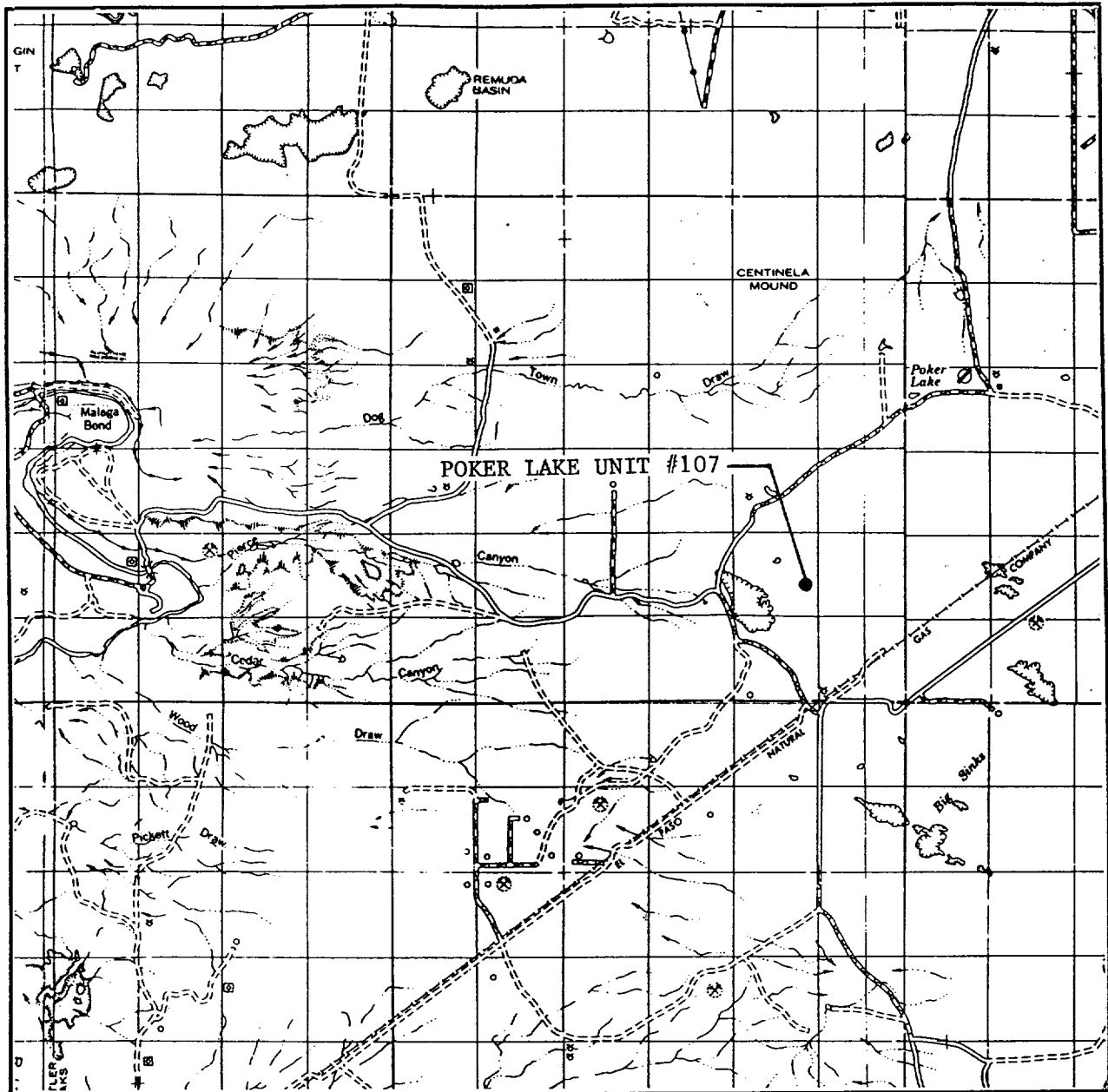
Bottom Hole Location If Different From Surface

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 the the information contained herein is true and complete to the best of my knowledge and belief. Signature KEITH E. BUCY Printed Name DIVISION PRODUCTION SUPT. Title 5/21/96 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. Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 94-N-0615 Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239 GARY L. JONES, 7977

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 26 TWP. 24 S RGE. 30 E

SURVEY N.M.P.M

COUNTY EDDY STATE N.M.

DESCRIPTION 1980' FSL & 660' FEL

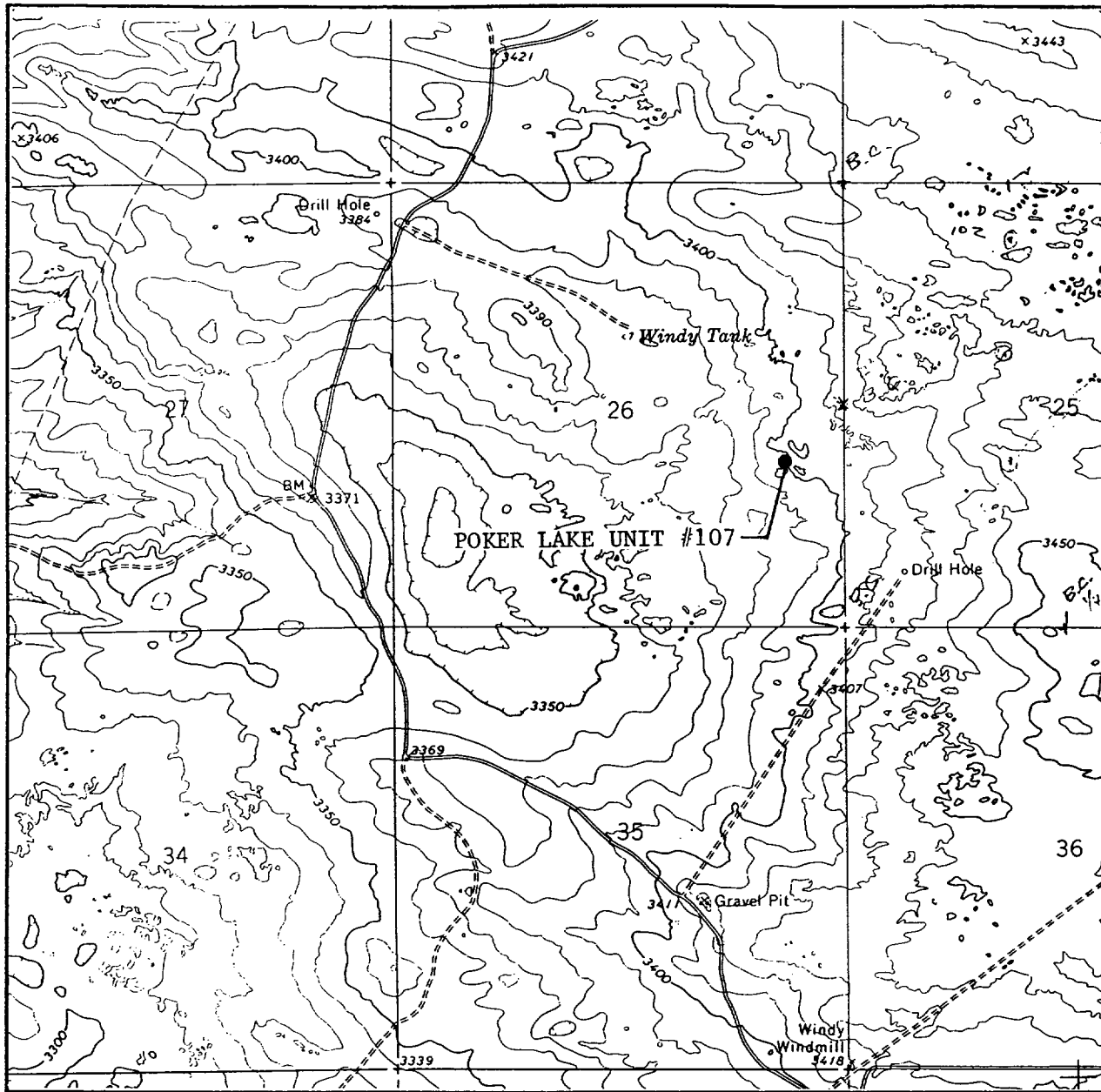
ELEVATION 3404.4'

OPERATOR BASS ENTERPRISES

LEASE POKER LAKE

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

SEC. 26 TWP. 24 S RGE. 30 E

SURVEY N.M.P.M

COUNTY EDDY STATE N.M.

DESCRIPTION 1980' FSL & 660' FEL

ELEVATION 3404.4'

OPERATOR BASS ENTERPRISES

LEASE POKER LAKE

U.S.G.S. TOPOGRAPHIC MAP

BIG SINKS

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

CURRENT CONDITION

POKER LAKE UNIT #107

LOC: 1980' FSL & 660' FEL, UT I, SEC 26, T24S, R30E

API NO: 30-015-27959

ELEVS: GL 3331.1', KB 3358.7'

SPUD DATE: 10/18/94, P&A: 11/4/94

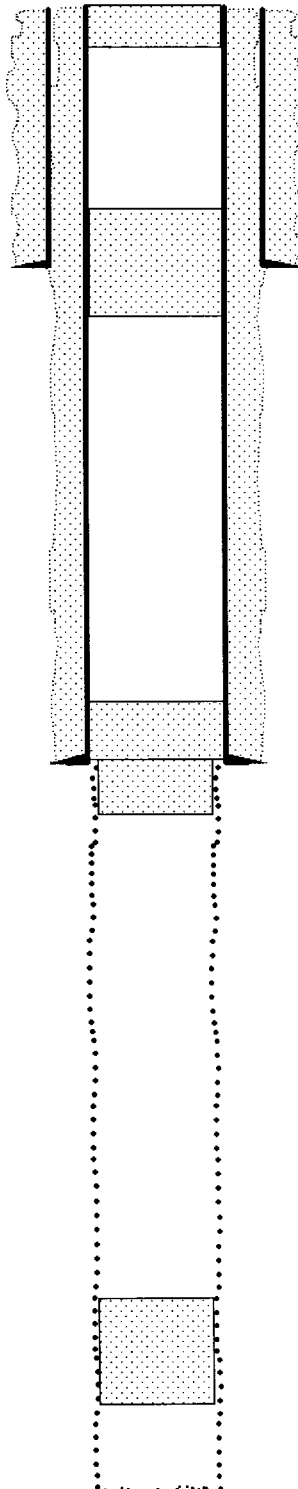
BASS ENTERPRISES
POKER LAKE (DELAWARE)
EDDY COUNTY, NEW MEXICO
DATE: 9/29/95; LAH; PLU107

WELLBORE INFORMATION

11-3/4" 42# WC-40 ST&C CSA 628'.
CMTD W/365 SX. CMT CIRC.
14-3/4" HOLE 0-628'.

8-5/8" 32# WC-50 LT&C CSA 4055'.
CMTD W/1600 SX. CMT CIRC.
11" HOLE 628-4055'.

7-7/8" OPEN HOLE 4055-8100'



40 SX CMT PLUG 0-63'

25 SX CMT PLUG 520-720'

100 SX CMT PLUG 3898-4198'

75 SX CMT PLUG 7510-7800'

TD: 8100'

PROPOSED

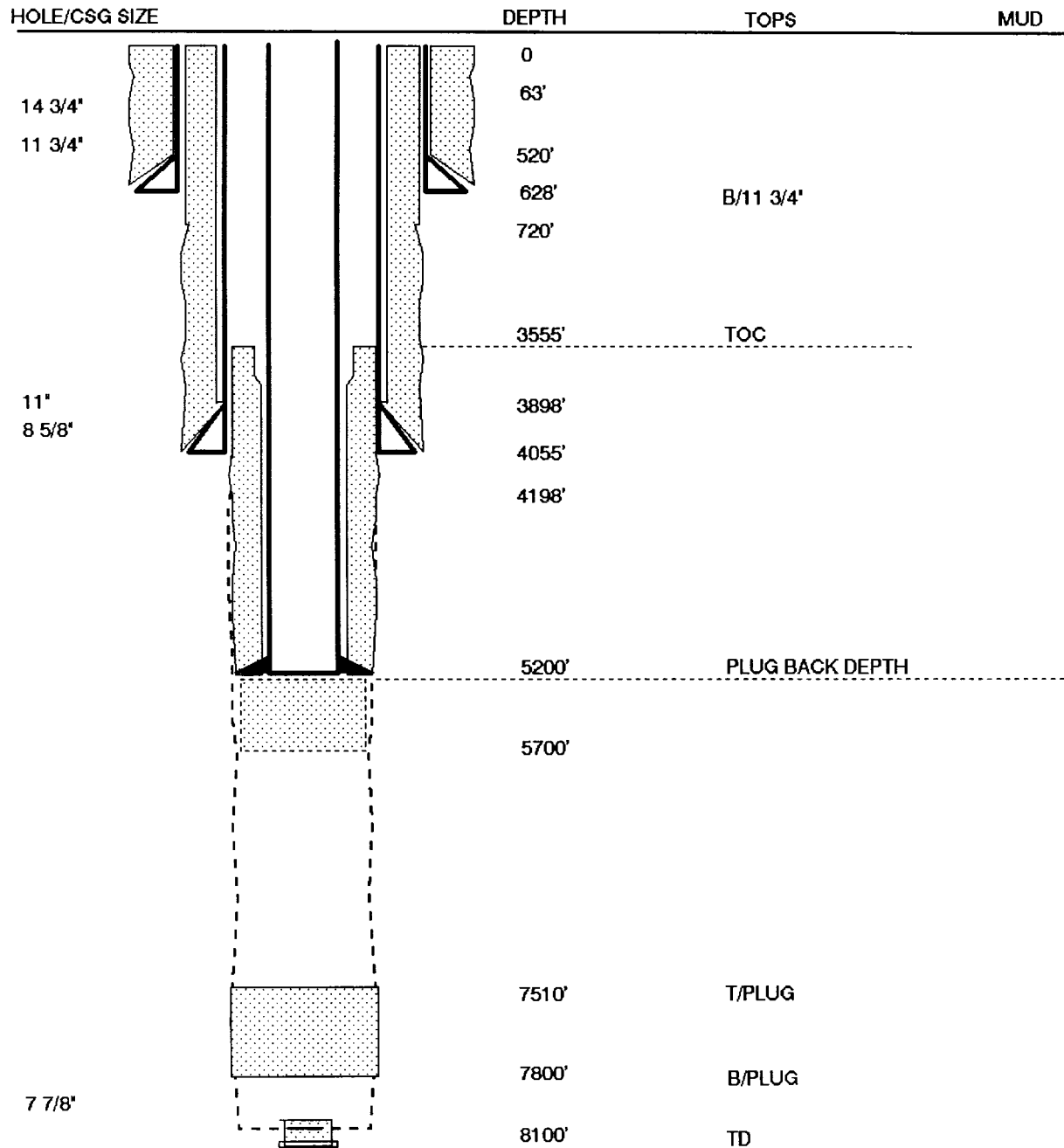
BASS ENTERPRISES PRODUCTION COMPANY POKER LAKE UNIT # 107 RE-ENTRY

05/10/96

LOCATION: 1980' FSL & 660' FEL, SECTION 26, T24S, R30E

COUNTY: EDDY

STATE: NEW MEXICO



WELL DATA SHEET

Bass Enterprises Production Co.	Poker Lake Unit (Delaware)
Operator	Lease

107	1980' FSL & 660' FEL	Section 26	24S	30E
Well No.	Footage Location	Section	Township	Range

Schematic

Tubular Data

Surface Casing

Size 11-3/4 " Cemented with 365 sx
 TOC Surface feet determined by circulated
 Hole Size 14-3/4 "

Intermediate Casing

Size 8-5/8 " Cemented with 1600 sx
 TOC Surface feet determined by circulated
 Hole Size 11 "

Long String

Size 5-1/2 " Cemented with 340 sx
 TOC 3555' feet determined by Calc
 Hole Size 7-7/8 "

Total Depth 5200'

Disposal Interval

4100 feet to 5200 feet
 (perforated or open-hole, indicate which)

Perforations: 4207-4220'
4501-4505'
4618-4640'
4666-4673'
4752-4772'
4836-4853'

Tubing Size 2-3/8" lined with Internal plastic coating set in a Guiberson 5-1/2"
 Model "G-6" double grip packer at 4080 feet (or describe any other casing-tubing seal).

Other Data

1. Name of the disposal formation Delaware (Bell Canyon)
2. Name of Field or Pool (if applicable) Poker Lake (Delaware) SW
3. Is this a new well drilled for disposal? Yes X No
 If no, for what purpose was the well originally drilled? Oil Producer
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used. No, dry hole plugged as per attached Sundry 3160-5 filed 11-7-94
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Delaware (Cherry Canyon) @ +/- 6000'

[illegible]

**POKER LAKE UNIT #107
OFFSET OPERATORS AND INTERESTED PARTIES**

Mr. Danny Pequeno
Mobil Oil Company
P. O. Box 633
Midland, Texas 79702

I, Keith Bucy, certify that copies of the application were mailed to the above affected parties.

Keith E. Bucy 5/11/96

BASS ENTERPRISES PRODUCTION CO.

6 DESTA DRIVE, SUITE 3700
P.O. BOX 2760
MIDLAND, TEXAS 79702

FAX (915) 687-0329

May 21, 1996

(915) 683-2277

Re: Notice of Application For
Authorization to Convert to SWD
Poker Lake Unit #107
Poker Lake (Delaware)
Eddy County, New Mexico
FILE: 400-WF: 964P#107.APP

Carlsbad Current Argus
P. O. Box 1629
Carlsbad, New Mexico 88220

Gentlemen:

Enclosed for publication is a legal advertisement. Bass Enterprises Production Company requests this be published for three consecutive days. Bass Enterprises Production Company is required by the New Mexico Oil Conservation Division to furnish them with a copy of this advertisement, from your newspaper, giving the dates of publication.

Can you please provide us with this item, please send to the attention of Tami Wilber at the letterhead address. Send any billing information to the letterhead address also.

Sincerely,



John R. Smitherman
Division Production Manager

tlw
JRS:tlw
JRS

NOTICE OF APPLICATION FOR SALT WATER DISPOSAL WELL PERMIT

Bass Enterprises Production Company has applied to the New Mexico Oil Conservation Division for a permit to dispose of produced salt water or other oil and gas waste into a porous formation productive of oil or gas.

The applicant proposes to dispose of produced water or other oil and gas waste into the Poker Lake Unit #107 (Delaware formation). The proposed disposal well is located 37 miles Southeast of Carlsbad, New Mexico in Section 26, T24S-R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 4100-5000'.

Any questions concerning this application should be directed to Bass Enterprises Production Company, Attention: Mr. John Smitherman, Division Production Manager, P. O. Box 2760, Midland, Texas 79702-2760.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within 15 days.

Affidavit of Publication

No 17812

State of New Mexico,
County of Eddy, ss.

Amy McKay,
being first duly sworn, on oath says:

That she is Business Manager
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

May 29, 1996
May 30, 1996
May 31, 1996
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 72.42,
and that payment thereof has been made and will
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

5th day of June, 1996

Donna Crump

My commission expires 08/01/98

Notary Public

May 29, 30, 31, 1996

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
BLM - CRA
February 08, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Convert to SWD	5. Lease Designation and Serial No. NMNM 02862
2. Name of Operator Bass Enterprises Production Company	6. If Indian, Allottee or Tribe Name ---
3. Address and Telephone No. P. O. Box 2760 Midland, Texas 79702-2760 (915) 683-2277	7. If Unit or CA, Agreement Designation Poker Lake Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 660' FEL, Unit Letter I Section 26, T24S-R30E	8. Well Name and No. Poker Lake Unit #107
	9. API Well No. 30-015-27959
	10. Field and Pool, or Exploratory Area Poker Lake (Delaware)
	11. County or Parish, State Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Convert to SWD</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Bass Enterprises Production Company requests authorization to convert to SWD.

Attachments:

Procedure
Application for authorization to NMOCD

14. I hereby certify that the foregoing is true and correct

Signed Keith E. Bucy Keith E. Bucy

Title Division Production Supt.

Date 5/21/96

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: