

PKRVO202434066

SWD

2/6/02

Bass Enterprises Production Co.
6 Desta Drive, Suite 3700
P. O. Box 2760
Midland, Texas 79702

22

Fax (915) 687-0329

(915) 683-2277

January 18, 2002

Lori Wrotenberry
Oil Conservation Division
2040 Pacheco Street
Santa Fe, New Mexico 87505

22

Re: Notice of Application for Authorization to Convert To SWD
Poker Lake Unit 170 (30-015-31744)
Eddy County, New Mexico

Dear Ms. Wrotenberry:

Enclosed please find Bass Enterprises Production Co.'s Application for Authorization to Convert for disposal purposes only into the Poker Lake Unit No. 170, located in Section 33, T23S-R30E, Eddy County, New Mexico. Please process the attached application for administrative approval. If you have any questions or further requirements, please contact Mr. Michael Lyon of Bass at (915) 683-2277.

Sincerely,


John R. Smitherman

MS

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Y _____ Yes _____ No

II. OPERATOR: Bass Enterprises Production Co.
ADDRESS: P. O. Box 2760, Midland, Texas 79702-2760
CONTACT PARTY: Tami Wilber PHONE: (915) 683-2277

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes _____ No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Tami Wilber TITLE: Production Clerk

SIGNATURE: Tami Wilber DATE: 11/20/01

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

III. Well Data

- A. 1) Lease name: **Poker Lake Unit**
 Well #: **#170**
 Section: **33**
 Township: **23S**
 Range: **30E**
 Footage: **2180' FSL & 1980' FWL**

2) Casing Info.

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
8-5/8" 24# WC-50	788'	331sx	11"	Surface	Circ 25sx
5-1/2" 15.5# K-55 & 17# L-80	7890'	1715sx	7-7/8"	Surface	75' via TS

*DV @ 5942'

3) Tubing to be used (size, lining material, setting depth):

2-7/8" 6.5# J-55 Seal tite PVC @ 4530' if all proposed perforations are utilized.

4) Name, model, and depth of packer to be used:

Baker Lok-Set packer (plasti coated ID & nickel coated OD) @ 4530' if all proposed perforations are utilized.

B. 1) Name of the injection formation and, if applicable, the field or pool name:

Nash Draw (Delaware).

2) The injection interval and whether it is perforated or open hole:

Currently the well is cased and no zones are perforated. The plan will be to perforate within the Delaware group (Top 3851', Base 7718') until sufficient capacity is achieved. Target zones include: 7602'-35', 6720'-60', 6554'-60', 5910'-50', 4702'-30', 4550'-4630'.

3) State if the well was drilled for injection or, if not, the original purpose of the well:

The captioned well was drilled as a producer but based on recent offset well performance was not completed. Currently BEPCO seeks to use the wellbore for disposal purposes.

4) Give the depths of any other perforated intervals and detail on the sacks of cement or BP's used to seal off such perforations:

The captioned wellbore contains no perforations or plugs at this time.

5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any:

T/Wolfcamp: -7545, T/Atoka: -9830, T/Morrow Lime: -10440.

OMT
 4750-6710
 4750-6710
 Driller: Dr. Cooper
 Pump: Pump
 Type: Type

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

Well Name	No.	API	Operator	Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Stimulation
Poker Lake Unit	71A	300152609401	BEPCO	Producer	660' FNL&1960' FVL, s33 T235-R30E	20" @ 605' c1850s x 1"	13-3/8" @ 3740', c2500s x 1"	5-1/2" @ 7880', c2100s x	2-7/8" @ 7116'	7/10/2001	8/17/2001	7880'	7335'-40' & 7550'-58'	65,000g & 277,000# sand

VII. Attach data on the proposed operation, including:
 1. Proposed average and maximum daily rate and volume of fluids to be injected: **3,000 BWPD**
 2. Whether the system is open or closed: **closed**
 3. Proposed average and maximum injection pressure: **800psi average, 1500psi maximum**
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: **water will be produced from same reservoir (Delaware).**
 5. If injection is for disposal purposes into a zone not productive of oil & gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water: **n/a**

VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with TDS of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval:
 Lithologic Detail: **Sand, Shale, Lime Sequences**
 Geological Name: **Delaware Mountain Group**
 Thickness: **3851'**
 Depth: **3851'-7718'**

The Rustler Formation is a known source of fresh water throughout this geographic area. Average depth of Rustler is 200-400'. No sources of fresh water are known to exist below the proposed disposal zone.

IX. Describe the proposed stimulation program, if any:

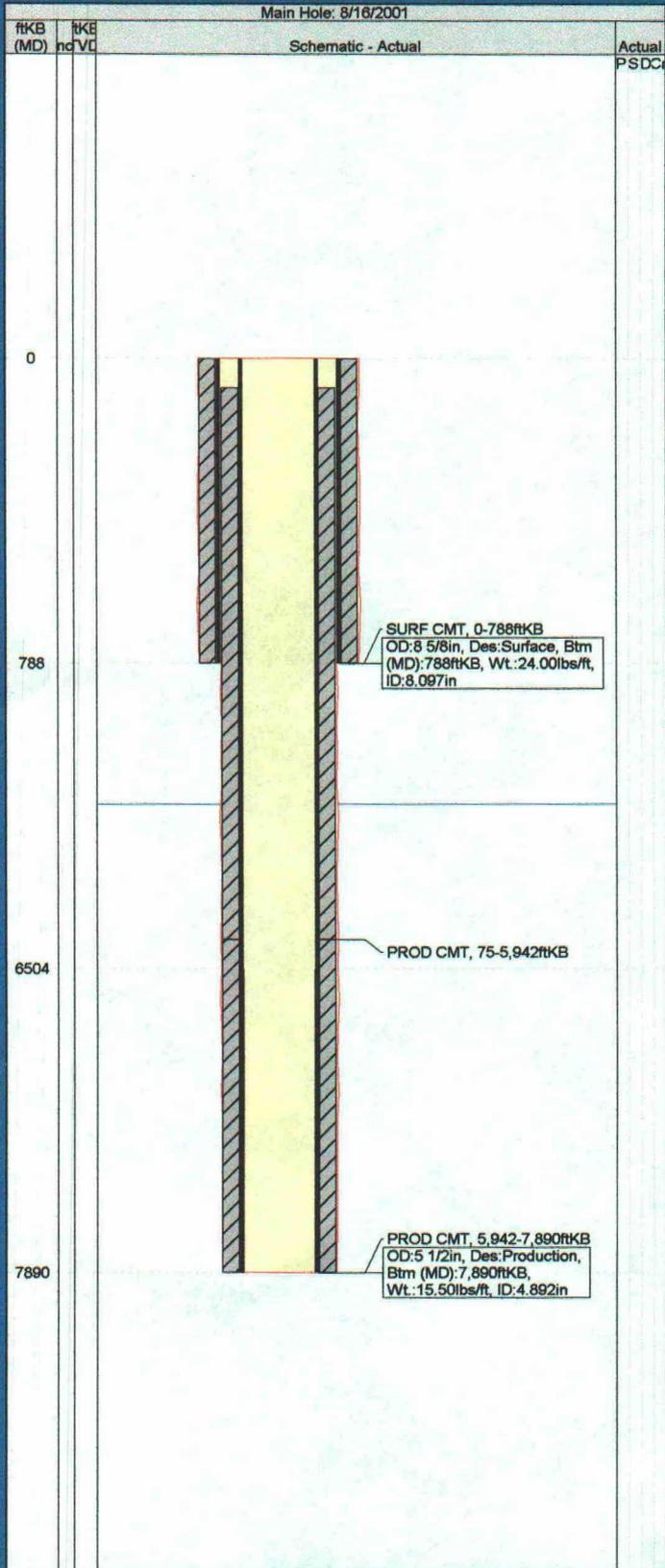
Each of the zones will be perforated and acidized with approximately 50 gallons 7-1/2% NEFE HCl per foot.

X. Attach appropriate logging and test data on the well (If well logs have been filed with the Division, they need not be resubmitted).
Logs previously submitted.

XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
No known fresh water, injection/disposal wells within one mile of proposed well.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrology connection between the disposal zone and any underground sources of drinking water.
Applicant hereby affirms that he has examined the available geologic and engineering data and finds no evidence of open faults, or other hydrologic connection between the disposal zone and any underground source of drinking water.

Field Name NASH DRAW (DELAWARE)		County EDDY		State/Province NM		Well Type Development		Current Well Status WO COMP		Well Configuration Type	
KB Elev (ft) 3428.00	Ground Elev (ft) 3413.00	Spud Date 7/30/2001	Rig Release Date 8/17/2001	Abandon Date	PBTD (ftKB)	Total Depth 7890	Well File Author CDP	Engineer in Charge MLL			
Surface Legal Location 2180' FSL 1980' FWL SEC 33 T23S R30E				NS Dist. (ft) 2180.0	NS Flag S	EW Dist. (ft) 1980.0	EW Flag W	Comment			



Wellbores: Main Hole									
Sz (in)		Top (ftKB)			Btm (ftKB)				
11		0.0			788.0			788.0	
7 7/8		788.0			7890.0			7890.0	
Surface, 788.0									
Item Desc	Jts	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Btm (ftKB)	Top Thread	
Casing Joints	17	8 5/8	8.097	24.00	WC50	0.0	788.0		
Production, 7,890.0									
Item Desc	Jts	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Btm (ftKB)	Top Thread	
Casing Joints	151	5 1/2	4.950	15.50	K-55	0.0	6,504.0		
Casing Joints	32	5 1/2	4.892	17.00	L-80	6,504.0	7,890.0		
Description	Top (ftKB)		Bottom (ftKB)		Comment				
SURF CMT	0.0		788.0		331 SXS 2 STAGES, CIRC 25 SXS				
PROD CMT	5,942.0		7,890.0		285 SXS, 7890-5942'				
PROD CMT	75.0		5,942.0		1430 SXS Premium + N2 TOC TS 75'				

BASS ENTERPRISES PRODUCTION CO.

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

FAX (915) 687-0329

November 20, 2001

(915) 683-2277

Re: Notice of Application for
Authorization to Convert to SWD
Poker Lake Unit #170
Eddy County, New Mexico
File: 400-WF: 01BT#170.SWD

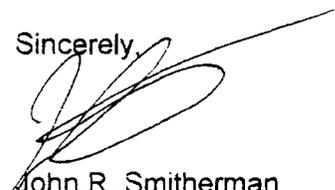
Carlsbad Current Argus
P. O. Box 1629
Carlsbad, New Mexico 88220

Gentlemen:

Enclosed for publication is a legal advertisement. Bass Enterprises Production Co. requests this be published for three consecutive days. Bass Enterprises Production Co. 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.

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

Sincerely,



John R. Smitherman
Division Production Manager

tlw

JRS:tlw
Attachment

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.

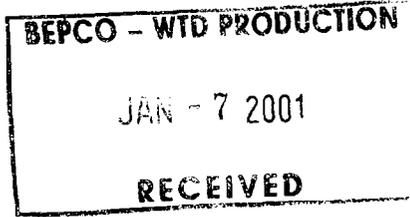
The applicant proposes to dispose of produced water or other oil and gas waste into the Poker Lake Unit #170 (Delaware Formation). The proposed disposal well is located 35 miles southeast of Carlsbad, New Mexico in Section 33, T23S-R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 3851-7718'.

Any questions concerning this application should be directed to John Smitherman, Division Production Manager, Bass Enterprises Production Co., P. O. Box 2760, Midland, Texas 79702-2760, (915) 683-2277.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 Pacheco Street, Santa Fe, New Mexico 87505 within 15 days.

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.



No 22357

Dawn Higgins,
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 coun-
ty; 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:

December 27 , 2001
December 28 , 2001
December 29 , 2001
_____, _____
_____, _____
_____, _____

That the cost of publication is \$ 111.04,
and that payment thereof has been made and will be
assessed as court costs.

Dawn Higgins

Subscribed and sworn to before me this

2 day of Jan, 2002
dela reed

My commission expires 04-25-04
Notary Public

December 27, 28, 29,
2001

NOTICE OF APPLICA-
TION FOR SALT WATER
DISPOSAL WELL
PERMIT

Bass Enterprises Produc-
tion Company has applied
to the New Mexico Oil
Conservation Division for
a permit to dispose of pro-
duced salt water or other
oil and gas waste into a
porous formation produc-
tive of oil or gas.

The applicant proposes to
dispose of produced wat-
er or other oil and gas
waste into the Poker Lake
Unit #170 (Delaware For-
mation). The proposed
disposal well is located 35
miles southeast of Carls-
bad, New Mexico in Sec-
tion 33, T23S-R30E, Eddy
County, New Mexico. The
produced salt water will
be disposed at a
subsurface depth of
3851-7718'.

Any questions concerning
this application should be
directed to John Smither-
man, Division Production
Manager, Bass Enter-
prises Production Co.,
P.O. Box 2760, Midland,
Texas 79702- 2760, (915)
683-2277.

Interested parties must file
objections or requests for
hearing with the Oil
Conservation Division,
2040 Pacheco Street,
Santa Fe, New Mexico
87505 within 15 days.

T23S-R29E

T23S-R30E

23

24

19

20

22

26

25

30

29

27

35

36

31

32

34

2

1

6

5

3

11

12

7

8

10

