

BASS ENTERPRISES PRODUCTION CO.

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

November 5, 2001

FAX (915) 687-0329

(915) 683-2277

Re: Notice of Application for  
Authorization to Convert to SWD  
Poker Lake Unit #137  
Eddy County, New Mexico  
File: 400-WF: 01AQ#137.SWD

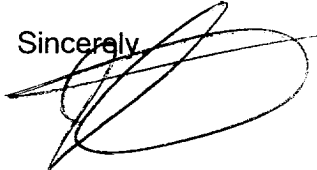
Lori Wrotenberry  
Oil Conservation Division  
2040 Pacheco Street  
Santa Fe, New Mexico 87505

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 #137, located in Section 32, T23S-R30E, Eddy County, New Mexico.

If additional information is required, please contact Kent Adams at the letterhead address.

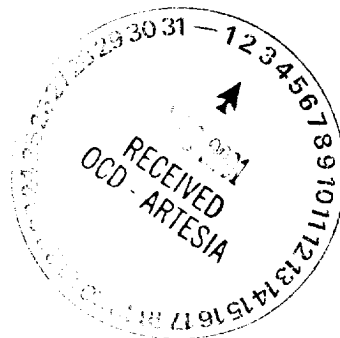
Sincerely,



John R. Smitherman  
Division Production Manager

  
JRS:tlw

Attachment



**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Bass Enterprises Production Co.  
ADDRESS: P. O. Box 2760 Midland, Texas 79702  
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 X 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: November 5, 2001

- \* 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.

1) Lease name: Poker Lake Unit  
Well #: #137  
Section: 32D  
Township: 23S  
Range: 30E  
Footage: 330' FNL & 330' FWL

#### 2) Casing Info.

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
11-3/4" 42# WC-40 STC	612'	440sx	14-3/4"	Surface	Circ 140sx
8-5/8" 28# WC-50 STC	3,448'	1,100sx	11"	Surface	Circ 213sx
5-1/2" 15.5# J&K-55 LTC	7,442'	710sx	7-7/8"	3,120'	Temp log
*DV @ 5846'					

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

2-7/8" 6.5# J-55 Seal title PVC

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

Baker Lok-Set packer (plasti coated ID & nickel coated OD) @ 7170'

#### 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:

The proposed disposal zone is perforated, 7200' to 7210', with 20 holes.

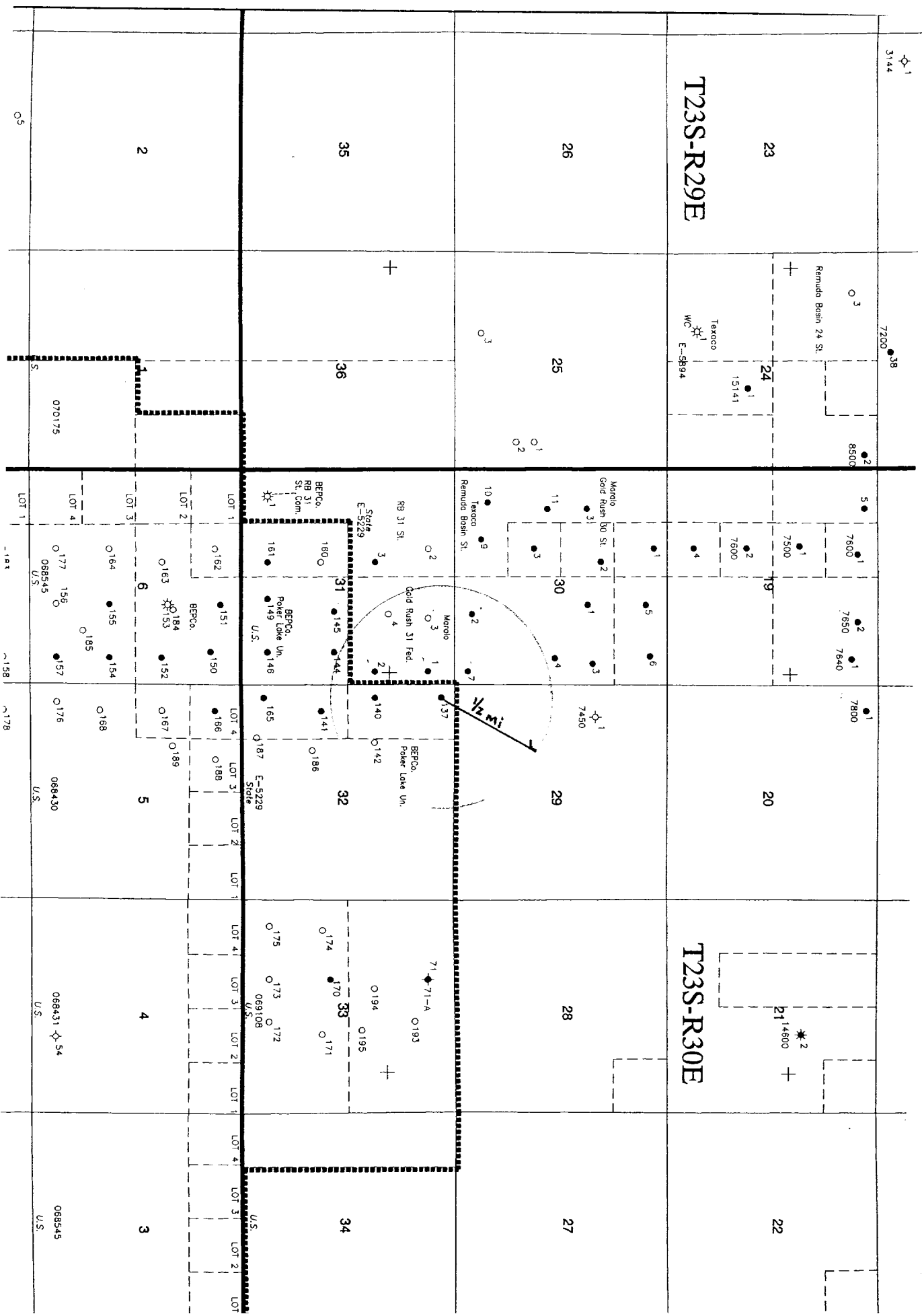
#### 3) State if the well was drilled for injection or, if not, the original purpose of the well:

The captioned well was drilled and completed as a producer.

#### 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 other perforations or plugs.

#### 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 7275'  
T/Atoka 9625'  
T/Morrow Lime 10,225'



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	Number	API	Operator	Well Type	Location	Surface Casing	Intermediate Casing	Production Casing	Tubing	Spud Date	Comp Date	TD	Perforations	Stimulation
Gold Rush 30 Fed	2	30015297470	Marano	Producer	430' FSL & 1750' FEL, s30 123S-R30E	13-3/8" @ 870', c/750ax	8-5/8" @ 3275', c/1250ax	5-1/2" @ 7390', c/785ax	2-7/8" @ 7094'	8/16/97	8/21/97	7390'	6995'-7094'	34,000g & 120,500# sand
Gold Rush 30 Fed	7	30015293640	Marano	Producer	330' FSL & 330' FEL, s30 123S-R30E	13-3/8" @ 875', c/650ax	8-5/8" @ 3280', c/1200ax	5-1/2" @ 7450', c/700ax	2-7/8" @ 7044'	2/20/97	4/2/97	7450'	7106'-7157'	34,000g & 120,500# sand
Gold Rush 31 Fed	1	30015297360	Marano	Producer	660' FNL & 330' FEL, s31 123S-R30E	13-3/8" @ 872', c/750ax	8-5/8" @ 3300', c/1175ax	5-1/2" @ 7300', c/780ax	2-7/8" @ 7012'	8/3/97	10/28/97	7300'	7125'-7185'	35,280g & 123,760# sand
Gold Rush 31 Fed	2	30015307870	Marano	Producer	1980' FNL & 330' FEL, s31 123S-R30E	13-3/8" @ 850', c/ 873ax	8-5/8" @ 3310', c/1000ax	5-1/2" @ 7328', c/700ax	2-7/8" @ 7253'	11/24/99	1/11/00	7328'	7157'-7253'	34,000g & 120,500# sand
Gold Rush 31 Fed	4	30015314440	Marano	Spotted Loc	1650' FNL & 1750' FEL, s31 123S-R30E	n/a	n/a	n/a	n/a	8/11/01	n/a	n/a	n/a	n/a
Poker Lake Unit	137	30015297150	BERCO	Producer	330' FNL & 330' FNL, s32 123S-R30E	11-3/4" @ 812', c/440ax	8-5/8" @ 3445', c/1100ax	5-1/2" @ 7442', c/895ax	2-7/8" @ 7226'	8/7/97	8/12/97	7442'	7200'-7210'	46,764g & 250,501# sand
Poker Lake Unit	140	30015298780	BERCO	Producer	1980' FNL & 330' FNL, s32 123S-R30E	11-3/4" @ 531', c/640ax	8-5/8" @ 3514', c/1100ax	5-1/2" @ 7524', c/875ax	2-7/8" @ 7315'	11/18/97	12/30/97	7624'	7212'-7220'	52,086g & 245,762# sand
Poker Lake Unit	142	n/a	BERCO	Spotted Loc	1980' FNL & 1450' FEL, s32 123S-R30E	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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  
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, Slate, Lime Sequences  
Geological Name: Permian Delaware Formation  
Thickness: 3779'  
Depth: 3467'-7426'

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.

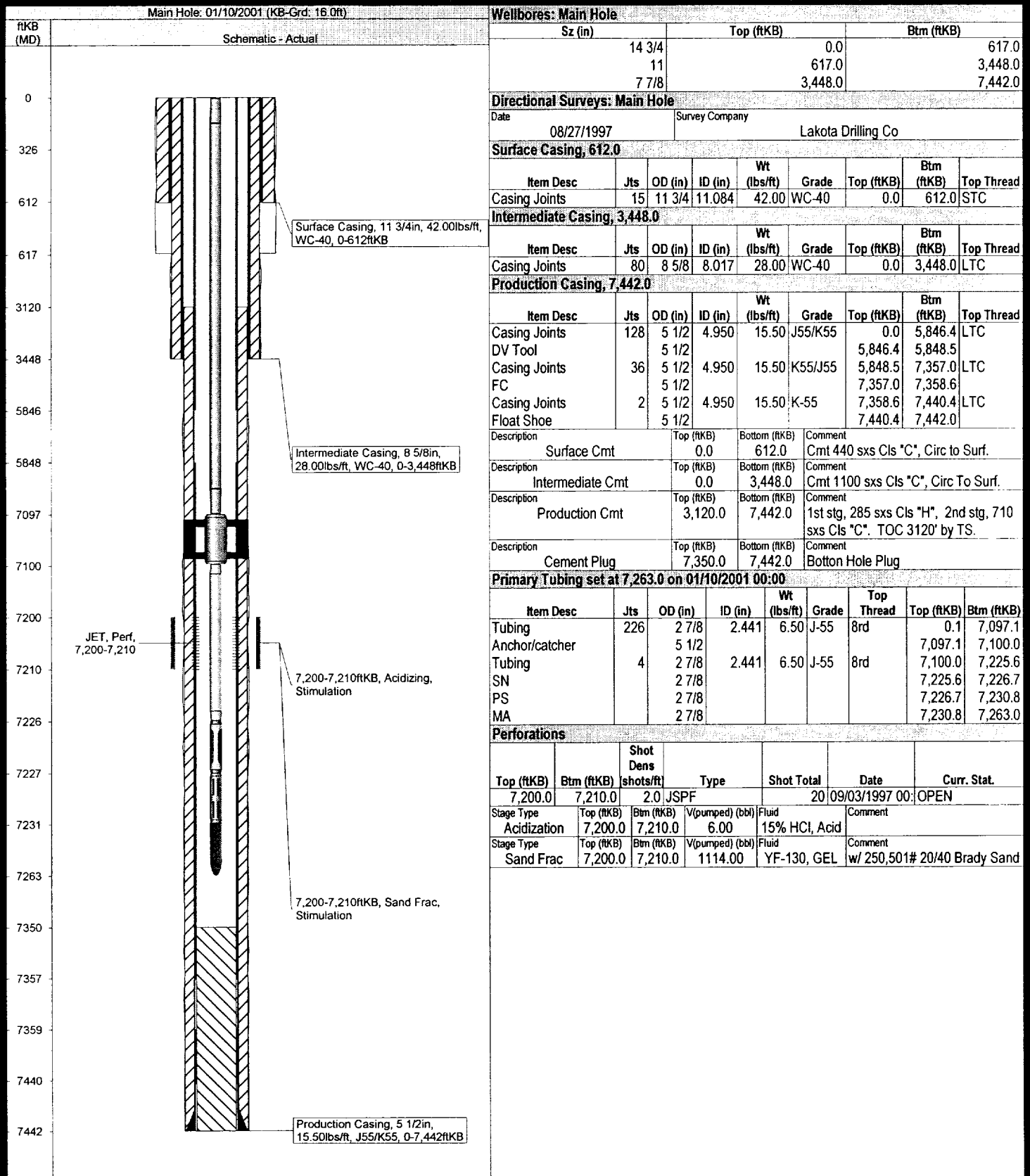
IX. Describe the proposed stimulation program, if any: no further stimulation will be performed on the current zone. If the current perforations are unable to take the aforementioned volumes then additional intervals will be perforated and treated via acid or hydraulic fracture.

X. Logs already filed with Division.

XI. No fresh water wells within one mile of proposed well.

XII. 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			County		State/Province		Well Type		Current Well Status		Well Configuration Type	
Nash Draw (Delaware)			Eddy		New Mexico				ACT OIL		Vertical	
KB Elev (ft)	Ground Elev (ft)	Spud Date	Rig Release Date	Abandon Date	PBTD (ft)(KB)	Total Depth		Well File Author		Engineer in Charge		
3141.00	3125.00	08/07/1997	08/24/1997		7,350.0	7442		ELE		MLL		
Surface Legal Location				NS Dist. (ft)		NS Flag	EW Dist. (ft)	EW Flag	Comment			
T: 23S,R: 30E,Sec: 32,Unit: D, NM,EDDY				330.0		N	330.0	W	Completion: 09/12/1997			



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*Certified:*

*7106 4575 1292 1954 6587*

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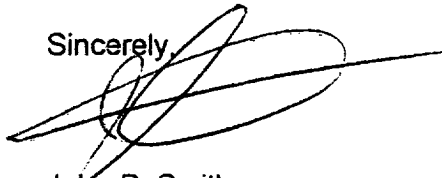
Carlsbad Current Argus  
P. O. Box 1629  
Carlsbad, New Mexico 88220

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



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 #137 (Delaware Formation). The proposed disposal well is located 35 miles southeast of Carlsbad, New Mexico in Section 32, T23S-R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 3446-7210'.

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.



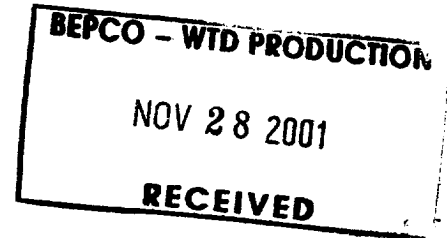
# Affidavit of Publication

No 22465

State of New Mexico,  
County of Eddy, ss.

November 15, 16, 17,  
2001

NOTICE OF APPLICATION FOR SALT WATER  
DISPOSAL WELL  
PERMIT



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 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:

November 15 , 2001  
November 16 , 2001  
November 17 , 2001  
\_\_\_\_\_, 2001  
\_\_\_\_\_, 2001  
\_\_\_\_\_, 2001

That the cost of publication is \$ 108.92,  
and that payment thereof has been made and will be  
assessed as court costs.

Dawn Higgins

Subscribed and sworn to before me this

23 day of Nov , 2001  
delo reed

My commission expires 4/25/04  
Notary Public

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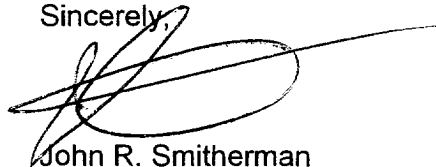
Maralo Inc  
P. O. Box 832  
Midland, Texas 79702

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If additional information is required, please contact Kent Adams at the letterhead address.

Sincerely,



John R. Smitherman  
Division Production Manager

  
JRS:tlw  
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