23526956 SWD 9/1/00 788

BASS ENTERPRISES PRODUCTION CO.
6 DESTA DRIVE, SUITE 3700
P.O. BOX 2760
MIDLAND, TEXAS 79702

FAX (915) 687-0329 (915) 683-2277

AUG 17

July 27, 2000

Re: Notice of Application for
Authorization to Convert to SWD
Hudson Federal #1
Eddy County, New Mexico
File: 400-WF: 007@HF#1.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 Hudson Federal #1, located in Section 1, 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

tlw
JRS:tlw
Attachment

State of New Mexico	Oil Conservation Division	Form C-108
Energy, Minerals and Natural	2040 Pacheco St	Revised 7-1-81
Resources Department	Santa Fe, NM 87505	

APPLICATION FOR AUTHORIZATION TO INJECTION

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage

Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: Bass Enterprises Production Co.

ADDRESS: P. O. Box 2760, Midland, Texas 79702-2760

CONTACT PARTY: Kent Adams PHONE: (915) 683-2277

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

IV. Is this an expansion of an existing project: _____Yes ___X___No

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 geological data on the injection zone including appropriate lithologic detail, geological 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/1 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 source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section 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: 7/26/00

*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 circumstance of the earlier submittal._____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office.

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 with 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 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

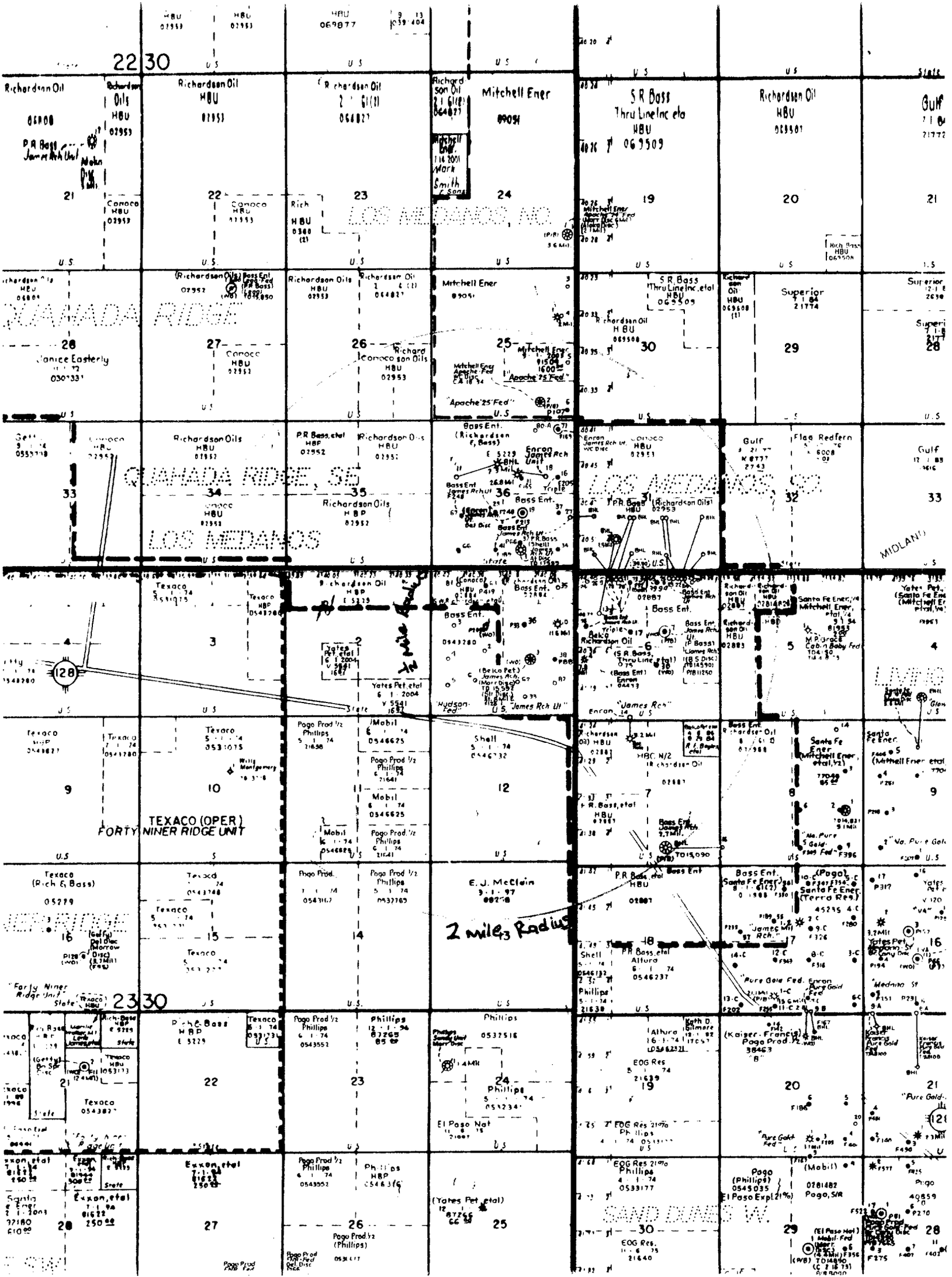
(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, NM 87504-2088 within 15 days.

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.

OFFSET WELL DATA
SECTION VI, FORM C-108
ATTACHMENT "D"

WELL NAME	WELL TYPE	SPUD DATE	LOCATION	CASING	CMT	TOP	TDEPTH	PERFS	TREATI
JAMES RANCH #3	GAS	9/25/71	1980' FSL & 4657' FEL SEC 1 T23S R30E	16" SET @ 475' 10 3/4" SET @ 3890' 7 5/8" SET @ 12037' 5 1/2" LINER 11712-13808'	650 SX 1400 SX 3050 SX 700 SX	SURF DID NOT CIRC 3660' 11712'	15595'	12,800 SZD 12730-73' SQZD 12998-13005' SQZD 13835-13842' 13862-13872' 14062-14256'	10,000 GAL 7 1/2% HCL 1000 SCF N2/BBL (13835-14256')
JAMES RANCH #10	GAS	1/13/80	1980' FNL & 660' FEL SEC 1 T23S R30E	16" SET @ 535' 11 3/4" SET @ 3850' 7 5/8" SET @ 11800' 5" LINER 11510-14334'	1000 SX 900 SX 1250 SX 625 SX	SURF SURF 6575-8016 10950-11800 11510'	14335'	12896-12904'	
JAMES RANCH #36	OIL	11/26/93	1980' FNL & 1860' FEL SEC 1 T23S R30E	11 3/4" SET @ 625' 8 5/8" SET @ 3839' 5 1/2" SET @ 7735'	425 SX 1290 SX 845 SX	SURF SURF 4200'	7820'	7445-7593' 7293-7305' SQZD	26,500 GAL 36# XL BORATE 73,500# 20/40 3500 GAL 7 1/2% HCL 26 BALL SEALERS
JAMES RANCH #63	OIL	12/24/99	660' FNL & 1980' FEL SEC 1 T23S R30E	11 3/4" SET @ 574' 8 5/8" SET @ 3808 5 1/2" SET @ 7754'	325 SX 1212 SX 950 SX	SURF SURF 400'	7754'	7490-7500'	Sand Frac 69,090 gal Viking 30 207,000# 16


TEXACO (OPER)
FORTY NINER RIDGE UNIT
2 mile Radius
LOS MEDANOS
SAND DUNES W.
MIDLAND

PROPOSED OPERATION DATA

Section VII, Form C-108
Attachment "E"

1. Proposed daily rate and volume of fluids to be injected:

   a. average daily rate of injection: 2000 bbls

   b. maximum daily rate of injection: 3000 bbls

2. Type of system:

   System will be closed.

3. Proposed injection pressure:

   a. Average: 600

   b. Maximum: 800

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re-injected produced water.

   Produced water from Atoka and Delaware formations will be injected.

   Chemical analysis attached hereto as Attachment "E1"

5. Chemical analysis of the disposal zone formation water.

   Not Available

GEOLOGICAL DATA

Section VIII, Form C-108
Attachment F

Lithologic Detail: Sand, Shale, Lime sequences

Geological name: Bell Canyon/Upper Cherry Canyon Delaware Mountain Group

Thickness: 785'

Depth: 4040-4825'

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

PROPOSED STIMULATION PROGRAM

Section IX, Form C-108
Attachment "G"

Intervals will be perforated with 4 JSPF and treated with approximately 16,000 gallons 15% NEFE acid. If necessary to establish injection, a small fracture treatment will be pumped.

LOGGING AND TEST DATA

Section X, Form C-108
Attachment "H"

Logs already filed with Division.

CHEMICAL ANALYSIS OF FRESH WATER

Section XI, Form C-108
Attachment "I"

1. Mills Ranch Fresh Water Supply Well
   Section 6, T23S-R31E
   Water Analysis Attached

Martin Water Laboratories, Inc.

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIAN
MIDLAND, TEXAS 7
PHONE 683-452

March 4, 1981

Mr. Jack Gevecker
Bass Enterprises Production Co.
P. O. Box 2760
Midland, TX

Subject: Recommendations relative to analysis #38114 (3-4-81), Delaware and Atoka waters in Eddy Co., New Mexico.

Dear Mr. Gevecker:

The attached analyses were carefully studied for possible incompatibilities between the Atoka and Delaware. It is our understanding that the objective is to inject the Atoka water into the Delaware interval, which is much less significant than attempting to combine the waters on the surface.

The only incompatibility encountered is that the Atoka water is carrying a soluble iron and the Delaware water from Big Eddy Unit #49 contains sulfide, therefore resulting in an iron sulfide precipitation. However, the water from well #49 is considered unusual and normally we would expect a "sweet" water from the Delaware such as from well #47. However, we question that this incompatibility is sufficient to prevent the injection of the Atoka water into the Delaware interval. Therefore, in general, we feel that the incompatibility suggested above is not sufficient to prevent the mixing of these two waters by injecting Atoka into the Delaware interval. We have encountered no evidence of any other condition of concern.

Yours very truly,

Waylan C. Martin

WCM/sb

Attachment #1

DRAFT

To: *Mr. Kent Adams*

Laboratory No.
Sample Received *7-25-00*
Results Reported

COMPANY *Bass Enterprises Production Co.* **Lease:** *Mills Water Station*
FIELD
SEC **BLK** **SURVEY** **County:**
No. 1 *Raw water - taken from Mills Water Station.*
No. 2
No. 3
No. 4
REMARKS:

Specific Gravity @ 60°F.	1.0032
pH When Sampled	
pH When Received	7.35
Bicarbonate, as HC03	178
Supersaturation, as CaC03	
Undersaturation, as CaC03	
Total Hardness, as CaC03	2,000
Calcium, as Ca	640
Magnesium, as Mg	97
Sodium and/or Potassium	248
Sulfate, as SO4	1,840
Chloride, as Cl	341
Iron, as Fe	0.08
Barium, as Ba	
Turbidity	
Color, as Pt	
Total Solids, Calc.	3,345
Temperature, °F.	
Carbon Dioxide, Calc.	
Dissolved Oxygen	
Hydrogen Sulfide	0.0
Resistivity, ohms/m @ 77°F.	2.30
Suspended Oil	
Filtrable Solids, mg/l	
Volume Filtered, ml	

Results Reported As Milligrams Per Liter

Additional Determinations & Remarks

We are not familiar with the specific objectives involved concerning this analysis, but please contact us if we can be of any assistance in regard to interpretation of results.

MARTIN WATER LABS., INC.

AFFIRMATIVE STATEMENT

Section XII, Form C-108
Attachment "J"

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.

INJECTION WELL DATA SHEET

OPERATOR: Bass Enterprises Production Co. LEASE Hudson Federal

WELL NO. 1 _____ 1 23S 30E
FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

SEE ATTACHED

Well Construction Data

Surface Casing

Size 16 " Cemented with 350 sx.

TOC Surface feet determined by circ

Hole Size 20 "

Intermediate Casing

Size 10-3/4 " Cemented with 700 sx.

TOC Surface feet determined by tag w/1" tbg & circ

Hole Size 12-1/4 "

Long String

Size 7-5/8 " to be cemented with 650 sx.

TOC 1167' (planned) feet determined by CBL (to be run)

Hole Size 9-1/2 "

Total Depth 14,235'

Injection Interval

4040 feet to 4825 feet
perforated or open hole (indicate which)

INJECTION WELL DATA SHEET

Tubing Size 2-7/8 " lined with plastic coating set in a
(type of Internal coating)

Baker Model A-3 Lok Set packer at 3850 feet.

Other type of tubing/casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? _____Yes X No

   If no, for what purpose was the well originally drilled? Oil Production

2. Name of the Injection Formation. Delaware

3. Name of Field or Pool (if applicable) Quahada Ridge

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used. See Attached Sketch

   Morrow 13,844-14,248', Perm Pkr @ 13,800' w/ blanking plug

   Atoka 12,989-12,995', CIBP @ 12,815' w/ 30' cement

   Delaware 7,201-7,517', squeezed w/ CIBP @ 7170' w/ 35' cement

   Wolfcamp 11,086-11098', CIBP @ 11,000 w/ 35' cement

   Bone Spring 10,915-10,930, CIBP @ 10,900' w/ 30' cement

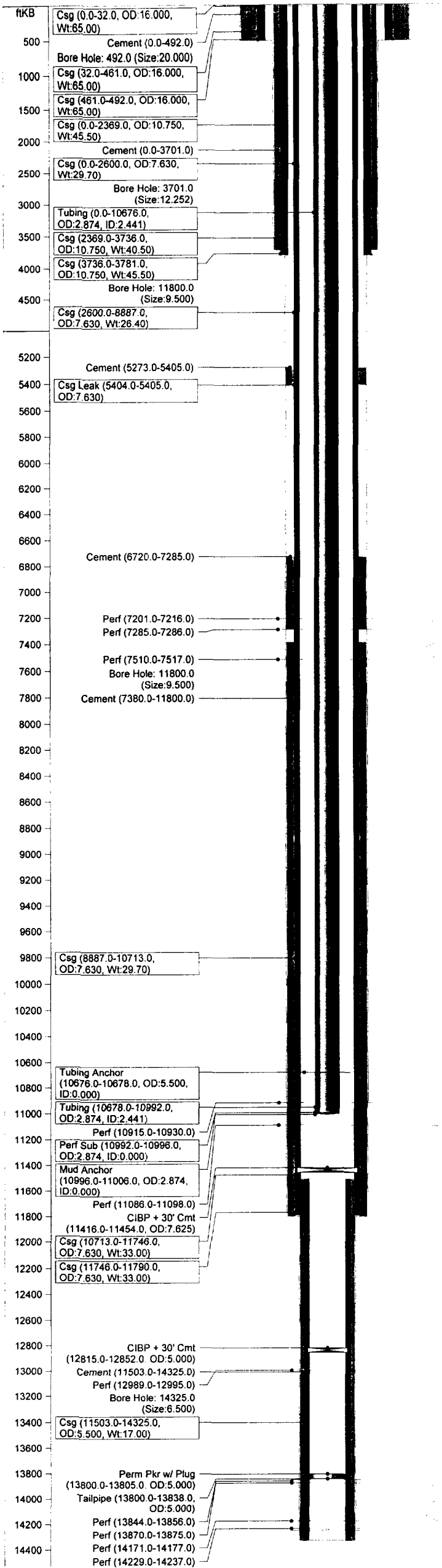
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

   Los Medanos (Bone Spring) 10,900'

   Los Medanos (Wolfcamp) 11,100'

   Los Medanos (Atoka) 13,000'

   Los Medanos (Morrow) 13,850'



HUDSON FEDERAL COM. #1 - Current

API No.	3001521052	Comments	
TD	14325.0 ftKB	Status	ACT GAS
PBTD	11416.0 ftKB	Engineer	KAA
Operator	BEPCO	Permit	
Well No.	1	Spud	2/25/1974
ID Code		RR	
Field	LOS MEDANOS	Completion	8/8/1974
Author	CDP	Last Act.	
Date Updated	2/24/00	Abandoned	

Location

Township	23S	Top Latitude	0
		Top Longitude	0
Range	30E	Top NS Distance	0.0 ft
		Top EW Distance	0.0 ft
Section	1	Bottom Latitude	0
Unit Ltr.		Bottom Longitude	0
State	NM	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3319.0 ft	Cas Flng	0.0 ft
Grd	3298.4 ft	*Tub Head*	*0.0 ft*
KB-Grd	20.6 ft		

Casing String - Surface

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	2/28/1974	0.0	32.0	1	16.000	15.250	65.00	H40	STC
Csg	2/28/1974	32.0	461.0	13	16.000	15.250	65.00	H40	STC
Csg	2/28/1974	461.0	492.0	1	16.000	15.250	65.00	H40	STC

Casing String - Intermediate

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	3/7/1974	0.0	2369.0	57	10.750	9.950	45.50	H55	STC
Csg	3/7/1974	2369.0	3736.0	32	10.750	10.050	40.50	H55	STC
Csg	3/7/1974	3736.0	3781.0	1	10.750	9.950	45.50	H55	STC

Casing String - Production

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	4/4/1974	0.0	2600.0	64	7.630	6.870	29.70	N80	LTC
Csg	4/4/1974	2600.0	8887.0	147	7.630	6.970	26.40	S95	BUTT
Csg Leak	10/27/1996	5404.0	5405.0		7.630	6.760	0.00		
Csg	4/4/1974	8887.0	10713.0	42	7.630	6.870	29.70	S95	BUTT
Csg	4/4/1974	10713.0	11746.0	24	7.630	6.760	33.00	S95	BUTT
Csg	4/4/1974	11746.0	11790.0	1	7.630	6.760	33.00	S95	BUTT

Casing String - Liner

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	5/14/1974	11503.0	14325.0	68	5.500	4.890	17.00	N80	FL4S

Casing Cement

Casing String	Date	Top (ftKB)	Btm (ftKB)	Amt (sx)	Comments
Surface	2/28/1974	0.0	492.0	350	CIRC
Intermediate	3/7/1974	0.0	3701.0	700	CMT DWN BACKSIDE W/1" W/350 SX CIRC 50 SX, WELD 10 3/4"HEAD,16" BASE PLATE
Production	4/4/1974	7380.0	11800.0	600	TOC BY CBL
Liner	5/12/1974	11503.0	14325.0	275	
Production	7/28/1993	6720.0	7285.0	150	Sqz hole in Csg. TOC BY CBL
Production	10/27/1996	5273.0	5405.0	50	Sqzd hole in casing. TOC EST.

Tubing String - Production Tubing

Des	Date	Top (ftKB)	Bottom (ftKB)	Jts	OD (in)	ID (in)	Wt	Grd	Thd
Tubing	12/5/1996	0.0	10676.0	340	2.874	2.441	6.50	N80	
Tubing Anchor	12/5/1996	10676.0	10678.0		5.500	0.000	0.00		
Tubing	12/5/1996	10678.0	10992.0		2.874	2.441	6.50	N80	
Perf Sub	12/5/1996	10992.0	10996.0		2.874	0.000	0.00		
Mud Anchor	12/5/1996	10996.0	11006.0		2.874	0.000	0.00		

Other (plugs, equip., etc.) - Plug Back

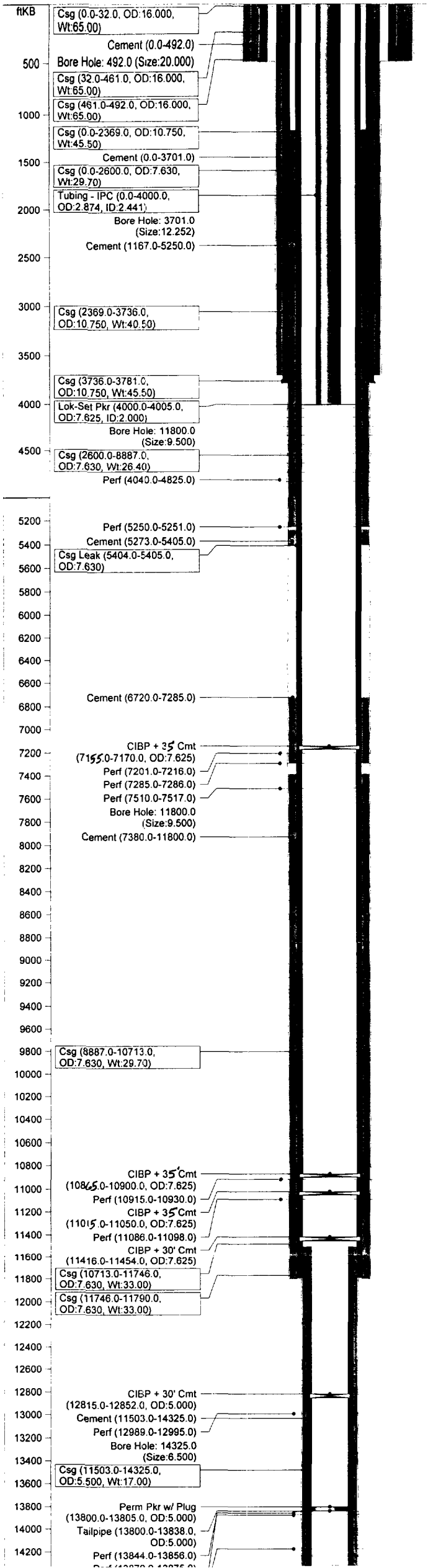
Date	Item	Top (ftKB)	Bottom (ftKB)	OD	ID
7/26/1993	CIBP + 30' Cmt	11416.0	11454.0	7.625	0.000
7/26/1993	CIBP + 30' Cmt	12815.0	12852.0	5.000	0.000
7/26/1993	Perm Pkr w/ Plug	13800.0	13805.0	5.000	0.000
7/26/1993	Tailpipe	13800.0	13838.0	5.000	0.000

Perforations

Date	Int	SPF	Status
5/28/1974	14229.0 - 14237.0	2.0	ABD
5/28/1974	14243.0 - 14248.0	2.0	ABD
7/2/1974	13844.0 - 13856.0	4.0	ABD
7/2/1974	13870.0 - 13875.0	4.0	ABD
7/2/1974	14171.0 - 14177.0	4.0	ABD
7/25/1974	12989.0 - 12995.0	4.0	ABD
7/28/1993	7285.0 - 7286.0	4.0	SQZD
8/7/1993	7201.0 - 7216.0	1.0	SQZD
8/7/1993	7510.0 - 7517.0	1.0	SQZD
11/11/1996	11086.0 - 11098.0	4.0	Open
11/16/1996	10915.0 - 10930.0	4.0	Open

Stimulations & Treatments

Date	Type	Int	Fluid	Sand
6/24/1974	ACID	14229.0 - 14248.0	4000 GAL	
7/2/1974	FRAC	13870.0 - 14177.0	46000 GAS EZFLOW	30000# 20-40
7/25/1974	ACID	12989.0 - 12995.0	250 GAL	
8/7/1993	FRAC	7201.0 - 7517.0	70276 VIKING 135D	207000# 20/40, 20000# 16/30 RC
8/7/1993	ACID	7201.0 - 7517.0	2440 GAL 43BS	
11/13/1996	FRAC	11086.0 - 11098.0	61000 MEDALLION	151000# 16/30 RC
11/17/1996	FRAC	10915.0 - 10930.0	61000 MEDALLION	140000# 16/30 RC



HUDSON FEDERAL COM. #1 - Proposed

API No.	3001521052	Comments	
TD	14325.0 ftKB	Status	ACT GAS
PBTD	7140.0 ftKB	Engineer	KAA
Operator	BEPCO	Permit	
Well No.	1	Spud	2/25/1974
ID Code		RR	
Field	LOS MEDANOS	Completion	8/8/1974
Author	CDP	Last Act.	
Date Updated	2/24/00	Abandoned	

Location

Township	23S	Top Latitude	0
		Top Longitude	0
Range	30E	Top NS Distance	0.0 ft
		Top EW Distance	0.0 ft
Section	1	Bottom Latitude	0
Unit Ltr.		Bottom Longitude	0
State	NM	Btm NS Distance	0.0 ft
County	EDDY	Btm EW Distance	0.0 ft

Elevations

KB	3319.0 ft	Cas Flng	0.0 ft
Grd	3298.4 ft	Tub Head	0.0 ft
KB-Grd	20.6 ft		

Casing String - Surface

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	2/28/1974	0.0	32.0	1	16.000	15.250	65.00	H40	STC
Csg	2/28/1974	32.0	461.0	13	16.000	15.250	65.00	H40	STC
Csg	2/28/1974	461.0	492.0	1	16.000	15.250	65.00	H40	STC

Casing String - Intermediate

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	3/7/1974	0.0	2369.0	57	10.750	9.950	45.50	H55	STC
Csg	3/7/1974	2369.0	3736.0	32	10.750	10.050	40.50	H55	STC
Csg	3/7/1974	3736.0	3781.0	1	10.750	9.950	45.50	H55	STC

Casing String - Production

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	4/4/1974	0.0	2600.0	64	7.630	6.870	29.70	N80	LTC
Csg	4/4/1974	2600.0	8887.0	147	7.630	6.970	26.40	S95	BUTT
Csg Leak	10/27/1996	5404.0	5405.0		7.630	6.760	0.00		
Csg	4/4/1974	8887.0	10713.0	42	7.630	6.870	29.70	S95	BUTT
Csg	4/4/1974	10713.0	11746.0	24	7.630	6.760	33.00	S95	BUTT
Csg	4/4/1974	11746.0	11790.0	1	7.630	6.760	33.00	S95	BUTT

Casing String - Liner

Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Csg	5/14/1974	11503.0	14325.0	68	5.500	4.890	17.00	N80	FL4S

Casing Cement

Casing String	Date	Top (ftKB)	Btm (ftKB)	Amt (sx)	Comments
Surface	2/28/1974	0.0	492.0	350	CIRC
Intermediate	3/7/1974	0.0	3701.0	700	CMT DWN BACKSIDE W/1" W/350 SX CIRC 50 SX, WELD 10 3/4"HEAD,16" BASE PLATE
Production	4/4/1974	7380.0	11800.0	600	TOC BY CBL
Liner	5/12/1974	11503.0	14325.0	275	
Production	7/28/1993	6720.0	7285.0	150	Sqz hole in Csg. TOC BY CBL
Production	10/27/1996	5273.0	5405.0	50	Sqzd hole in casing. TOC EST.
Production	8/1/2000	1167.0	5250.0	650	

Tubing String - Production Tubing

Des	Date	Top (ftKB)	Bottom (ftKB)	Jts	OD (in)	ID (in)	Wt	Grd	Thd
Tubing - IPC	8/1/2000	0.0	4000.0	340	2.874	2.441	6.50	N80	
Lok-Set Pkr	8/1/2000	4000.0	4005.0		7.625	2.000	0.00		

Other (plugs, equip., etc.) - Plug Back

Date	Item	Top (ftKB)	Bottom (ftKB)	OD	ID
8/1/2000	CIBP + 30' Cmt	7140.0	7170.0	7.625	0.000
8/1/2000	CIBP + 30' Cmt	10870.0	10900.0	7.625	0.000
8/1/2000	CIBP + 30' Cmt	11020.0	11050.0	7.625	0.000
7/26/1993	CIBP + 30' Cmt	11416.0	11454.0	7.625	0.000
7/26/1993	CIBP + 30' Cmt	12815.0	12852.0	5.000	0.000
7/26/1993	Tailpipe	13800.0	13838.0	5.000	0.000
7/26/1993	Perm Pkr w/ Plug	13800.0	13805.0	5.000	0.000

Perforations

Date	Int	SPF	Status
5/28/1974	14229.0 - 14237.0	2.0	ABD
5/28/1974	14243.0 - 14248.0	2.0	ABD
7/2/1974	13844.0 - 13856.0	4.0	ABD
7/2/1974	13870.0 - 13875.0	4.0	ABD
7/2/1974	14171.0 - 14177.0	4.0	ABD
7/25/1974	12989.0 - 12995.0	4.0	ABD
7/28/1993	7285.0 - 7286.0	4.0	SQZD
8/7/1993	7201.0 - 7216.0	1.0	SQZD
8/7/1993	7510.0 - 7517.0	1.0	SQZD
11/11/1996	11086.0 - 11098.0	4.0	Open
11/16/1996	10915.0 - 10930.0	4.0	Open
8/1/2000	5250.0 - 5251.0	4.0	
8/1/2000	4040.0 - 4825.0	4.0	

Stimulations & Treatments

Date	Type	Int	Fluid	Sand
6/24/1974	ACID	14229.0 - 14248.0	4000 GAL	
7/2/1974	FRAC	13870.0 - 14177.0	46000 GAS EZFLOW	30000# 20-40
7/25/1974	ACID	12989.0 - 12995.0	250 GAL	
8/7/1993	FRAC	7201.0 - 7517.0	70276 VIKING 135D	207000# 20/40, 20000# 16/30 RC
8/7/1993	ACID	7201.0 - 7517.0	2440 GAL 43BS	
11/13/1996	FRAC	11086.0 - 11098.0	61000 MEDALLION	151000# 16/30 RC
11/17/1996	FRAC	10915.0 - 10930.0	61000 MEDALLION	140000# 16/30 RC

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NMNM 0543280 (A)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Convert to SWD

8. Well Name and No.
Hudson Federal Com #1

2. Name of Operator
Bass Enterprises Production Co.

9. API Well No.
30-015-21052

3a. Address
P.O. Box 2760, Midland, TX 79702-2760

3b. Phone No. (*include area code*)
(915) 683-2277

10. Field and Pool, or Exploratory Area
Quahada Ridge (Delaware) SW

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
1830' FNL & 1980' FWL
Section 1, T23S-R30E

11. County or Parish, State
Eddy County NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Convert to SWD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with **BLM/BIA**. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Bass Enterprises Production Co. requests authorization to convert to SWD.

Attachments:
Application for authorization to NMOCD.

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
Tami Wilber

Title Production Clerk

Tami Wilber

Date 7/27/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, makes 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.

(*Instructions on reverse*)

Affidavit of Publication

No 20805

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:

August 4	,	2000
August 5	,	2000
August 6	,	2000
	,	2000
	,	2000
	,	2000

That the cost of publication is $ 94.92, and that payment thereof has been made and will be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

8 day of August, 2000

Lorraine Noporte

My commission expires 5/25/03

Notary Public

August 4, 5, 6, 2000

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 and other oil and gas waste into a porous formation productive of oil or gas.

COPY

The applicant proposes to dispose of produced water or other oil and gas waste into the Hudson Federal #1 (Delaware Formation). The proposed disposal well is located 35 miles southeast of Carlsbad, New Mexico in Section 1, T23S-R30E, Eddy County, New Mexico. The produced salt water will be disposed at a subsurface depth of 4040-4825'.

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.

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.