

APPLICATION FOR AUTHORIZATION TO INJECT

OCT 2 2000

- ✓ I. PURPOSE: Secondary Recovery ☒ Pressure Maintenance 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: Keith E. Bucy 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: R-10215
- ✓ 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: Keith E. Bucy TITLE: Division Production Supt.
SIGNATURE: Keith E. Bucy DATE: 9/8/00

* 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 circumstances 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 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, 2040 South Pacheco, 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.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

BASS ENTERPRISES PRODUCTION COMPANY

FOR WATER DISPOSAL

the

GOLDEN "D" FEDERAL #1

(30-015-27294)

LOCATED 495' FNL & 1980' FWL SECTION 17,, T21S-R29E

EDDY COUNTY, NEW MEXICO

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Side 1

INJECTION WELL DATA SHEET

OPERATOR: Bass Enterprises Production Co.WELL NAME & NUMBER: Golden D Federal #1WELL LOCATION: 1980' FWL & 495' FNL

FOOTAGE LOCATION

UNIT LETTER CSECTION 17TOWNSHIP 21SRANGE 29E

WELLBORE SCHEMATIC

GOLDEN D FEDERAL #1

9/6/2000

0	Cement (0.0-4550.0)	AP No	3001527294000	Comments	27.44%
0	Base Hole 4550.0	ID	4550.0 mB	Status	4550
200	Casing (0.0-4550.0)	PRD	4253.0 mB	Engineer	
400	Casing (0.0-4550.0)	Operator	BASS ENTERPRISES	Permit	
600	Casing (0.0-4550.0)	Well No	1	SP	514.73%
800	Casing (0.0-4550.0)	ID	4550.0 mB	SP	514.73%
1000	Casing (0.0-4550.0)	Field	GOLDEN JANE	Location	70311993
1200	Casing (0.0-4550.0)	Date Updated	9-6-2000	Abandoned	
1400	Casing (0.0-4550.0)	Location	SN21	Top Land	
1600	Casing (0.0-4550.0)	Range	E029	Top Longitude	
1800	Casing (0.0-4550.0)	Section	7	Top NS Distance	4950.4
2000	Casing (0.0-4550.0)	Unit Lr	C	Top EV Distance	423.13
2200	Casing (0.0-4550.0)	State	New Mexico	Bottom Land	
2400	Casing (0.0-4550.0)	County	Eddy	Bottom EV Distance	13.4
2600	Casing (0.0-4550.0)	Elevations	3378.0 ft	Case Ping	13.4
2800	Casing (0.0-4550.0)	Grd	3380.6 ft	Tud Head	13.4
3000	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
3200	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
3400	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
3600	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
3800	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
4000	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
4200	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
4400	Casing (0.0-4550.0)	Brk	17.4 ft		13.4
4600	Casing (0.0-4550.0)	Brk	17.4 ft		13.4

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12.250"Casing Size: 9-5/8"Cemented with: 400SX. orft³Top of Cement: SurfMethod Determined: Circ

Intermediate Casing

Hole Size: _____

Casing Size: _____

Cemented with: _____

SX. orft³

Top of Cement: _____

Method Determined: _____

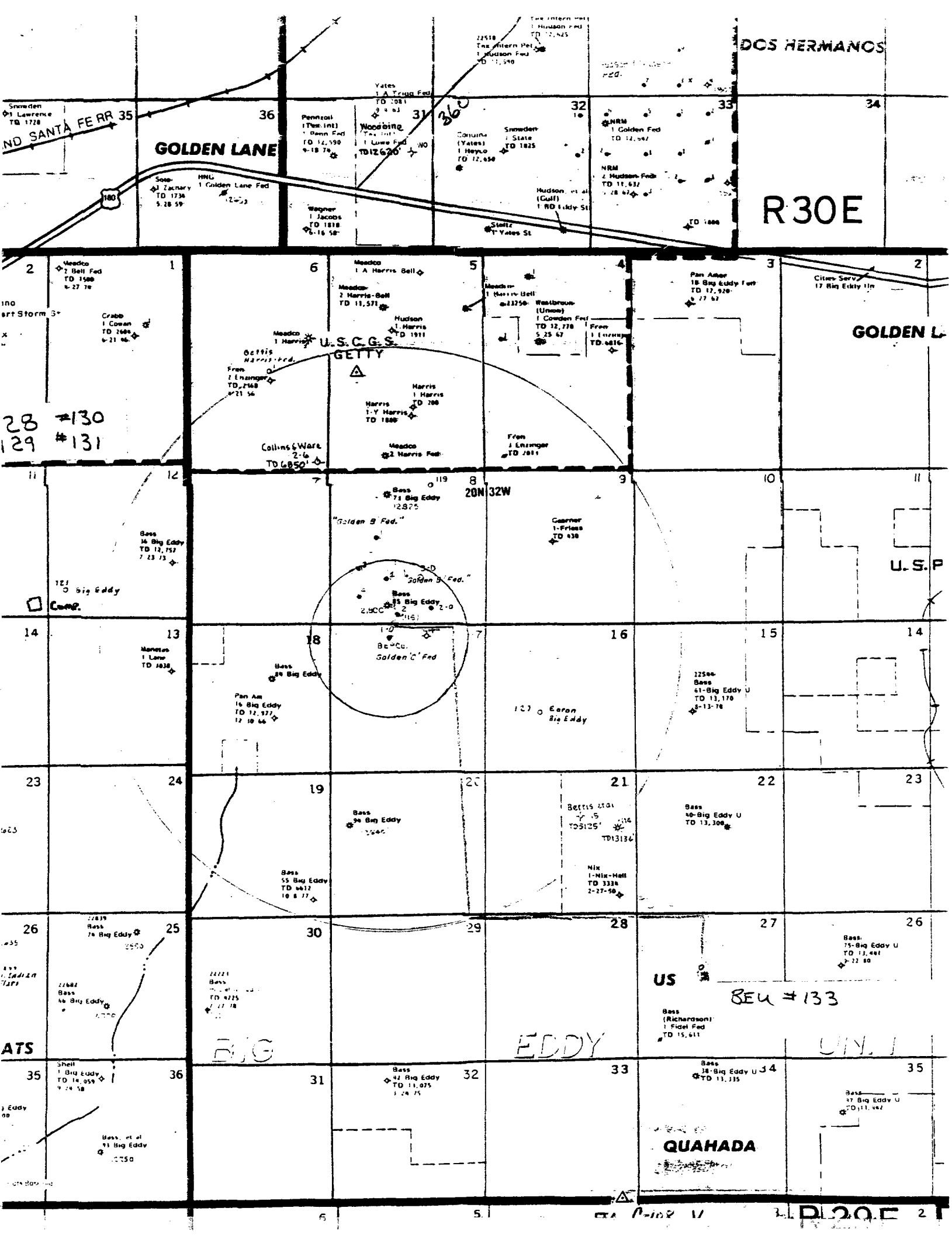
Production Casing

Hole Size: 8-3/4"Casing Size: 5-1/2"Cemented with: 1370SX. orft³Top of Cement: SurfMethod Determined: CircTotal Depth: 4550'

Injection Interval

4208feet to 4224'(Perforated or ~~Open Hole~~; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-3/8" Lining Material: TK-69Type of Packer: Baker Model AD-1Packer Setting Depth: 4059'Other Type of Tubing/Casing Seal (if applicable): **Additional Data**1. Is this a new well drilled for injection? Yes No XIf no, for what purpose was the well originally drilled? Oil Well2. Name of the Injection Formation: Cherry Canyon3. Name of Field or Pool (if applicable): S. Golden Lane4. 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. 4276-82'Cover w/ 2 CIBP's (4266' and 4263') 4263' capped w/ 10' cement5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Golden Lane, South Delaware (oil) 4200-4300'Golden Lane, Wolfcamp (gas) 10,000-10,500'Golden Lane, Strawn (gas) 11,000-11,500'Golden Lane, Atoka (gas) 11,500-11,800'Golden Lane, Morrow (gas) 12,000-12,700'



DOS HERMANOS

R30E

GOLDEN L.

U.S.P

US

BEU #133

QUAHADA

UN.I

BIG

EDDY

ATS

Data on wells of public record within the area of review

Operator Lease Name Well Number	Penetrate Proposed Injection Zone	Well Type	Construction	Date Drilled	Location	Depth and Current Status	Record of completion	Perforations
Bass Enterprises Prod Co. Golden 8 Federal #1	YES	OIL	See attachment VI-B1	3/3/92	2180' FWL & 1650' FSL SECTION 8, T21S-R29E	6800' TD PRODUCING OIL WELL	See attachment VI-C1	4238-52' 4242-62' 6534-6550'
Bass Enterprises Prod Co. Golden 8 Federal #2	YES	OIL	See attachment VI-B2	7/9/92	2310' FWL & 330' FSL SECTION 8, T21S-R29E	4505' TD PRODUCING OIL WELL	See attachment VI-C2	4195-4218'
Bass Enterprises Prod Co. Golden 8 Federal #3	YES	WW	See attachment VI-B3	5/16/93	990' FWL & 1980' FSL SECTION 8, T21S-R29E	4575' TD INJECTION WELL	See attachment VI-C3	4246-4252' 4252-4310'
Bass Enterprises Prod Co. Golden 8 Federal #4	YES	OIL	See attachment VI-B4	1/15/93	990' FWL & 990' FSL SECTION 8, T21S-R29E	4575' TD TAID	See attachment VI-C4	4214-4228'
Bass Enterprises Prod Co. Big Eddy Unit #85	YES	GAS	See attachment VI-B5	5/28/81	1980' FWL & 660' FSL SECTION 8, T21S-R29E	12800' TD PRODUCING GAS WELL	See attachment VI-C5	12385-518'
Bass Enterprises Prod Co. Golden C Federal #1	YES	P&A	See attachment VI-B6	6/1/93	2080' FEL & 395' FNL SECTION 17, T21S-R29E	4500' TD Drilled and abandoned		
Bass Enterprises Prod Co. Golden D Federal #2	YES	OIL	See attachment VI-B7	5/15/93	1980' FEL & 660' FSL SECTION 8, T21S-R29E	4550' TD PRODUCING OIL WELL	See attachment VI-C6	4203-07', 4210-18' 4227-.35', 4242-46'

GOLDEN 8 FEDERAL NO. 1

(FORMERLY BEU #113)

LOCATION: 2180' FWL, 1650' FSL, SEC 8, T21S, R29E

API NO: 30-015-26931

ELEVATIONS: GL 3390' DF 3407' KB 3408'

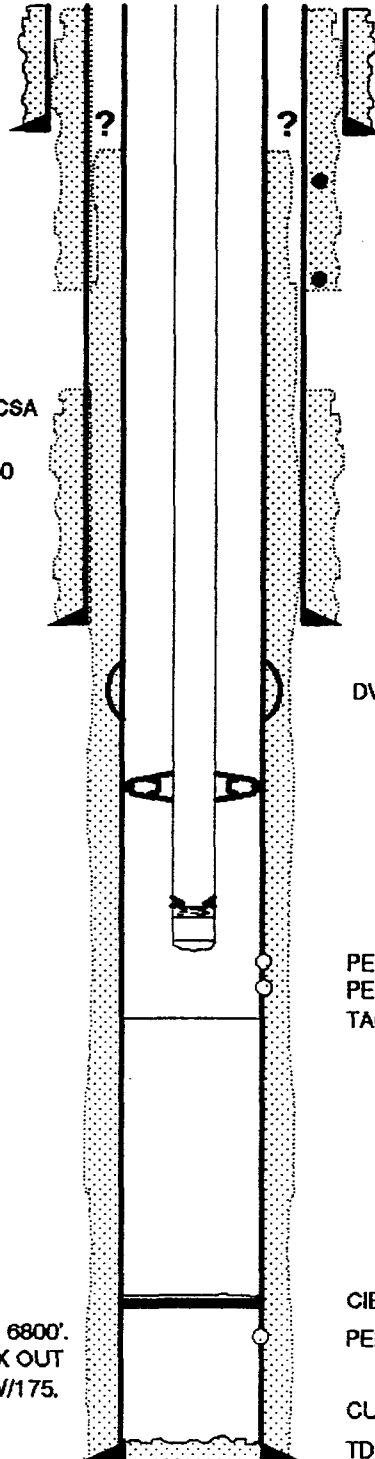
SPUD DATE: 3/3/92; COMP DATE:

BASS ENTERPRISES
S. GOLDEN LANE (DELAWARE)
EDDY COUNTY, NM
DATE: 1/31/96; LAH; GOLD8-1

8-5/8" 24# 8RD K-55 ST&C CSA 810'.
CMTD W/480 SX. CMT CIRC.
12-1/4" HOLE 0-810'.

7" 29# N-80 FLUSH JT (W/SJ2 THRD) CSA
3165'. CMTD W/100 SX. TOC 2316'.
PERF @ 1500' W/2 HOLES. CMT W/850
SX. TOC 900' (TS). PERF 900' W/2
HOLES. CMTD W/150 SX. CMT CIRC.
7-7/8" HOLE 810-3165'.

4-1/2" 8RD 11.6# N-80 & K-55 LT&C @ 6800'.
CMT 1ST STAGE W/225 SX, CIRC 30 SX OUT
DV TOOL @ 3727'. CMT 2ND STAGE W/175.
TOC N/R. 6" HOLE 3165-6800'.



WELLBORE INFORMATION

PERF @ 900', 2 SHOTS - CMT 7' CSG

PERF @ 1500', 2 SHOTS - CMT 7' CSG

TUBING STRING:

2-3/8" 4.7# J-55 TBG 0-4046'
2-3/8" ELDER TAC 4046-49'
2-3/8" 4.7# J-55 TBG 4049-4171'
2-3/8" STANDARD SN 4171-73'
2-3/8" X 4' PERF SUB 4173-77'
2-3/8" 4.7# J-55 MA W/BP & C 4177-4208'

DV TOOL @ 3727'

PERF 4238-52', 4 SPF (4/9/82)
PERF 4242-62', 4 SPF (10/5/93)
TAG OBSTRUCTION OR FILL @ 4269' (1/24/95)

CIBP @ 6500', CAPPED W/35' CMT
PERF 6534-6550', 4 SPF (4/4/92)

CURRENT PBTD: 6465'
TD: 6800' (LTD) 6796'

GOLDEN 8 FEDERAL NO. 2

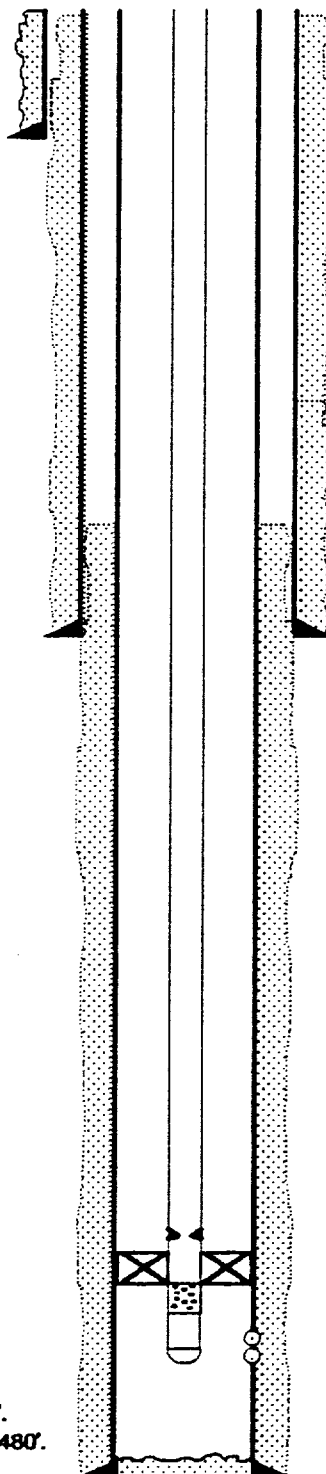
LOCATION: 330' FSL, 2310' FWL, SEC 8, T21S, R29E, UNIT N
API NO: 30-015-27036
ELEVATIONS: GL 3360' KB 3378'
SPUD DATE: 7/9/92; COMP DATE:

BASS ENTERPRISES
UNDESIGNATED (DELAWARE)
EDDY COUNTY, NM
DATE: 8/26/92; GP

11-3/4" 42#/FT H-40 ST&C CSA
695'. CMTD W/245 SX CL C TAILED
W/255 SX CL C. CMT CIRC. HOLE
SIZE 14-3/4".

8-5/8" 24#/FT S-80 & K-55 ST&C
CSA 2982'. CMTD W/1450 SX CL C,
TAILED W/150 SX CL C. CMT CIRC.
HOLE SIZE 11".

5-1/2" 14#/FT K-55 ST&C CSA 4505.5'.
CMTD W/315 SX CL C. EST TOC @ 2480'.
HOLE SIZE 7-7/8".



WELLBORE INFORMATION

CMT DETAILS: 11-3/4"

CMTD W/630 GALS MUD FLUSH
8.4 PPG FOLLOWED W/245 SX CL C
W/4% GEL + 2% CACL2 (1.74 FT3/SK,
13.5 PPG). TAILED W/255 SX CL C
W/2% CACL2 (1.32 FT3/SK, 14.8 PPG).

CMT DETAILS: 8-5/8"

CMTD W/420 GALS MUD FLUSH
8.4 PPG FOLLOWED W/1450 SX CL C
W/6% GEL + 6#/SK SALT + 1/4#/SK
CELLOSEAL (2.02 FT3/SK, 12.57 PPG).
TAILED W/150 SX CL C W/1% CACL2
(1.32 FT3/SK, 14.8 PPG).

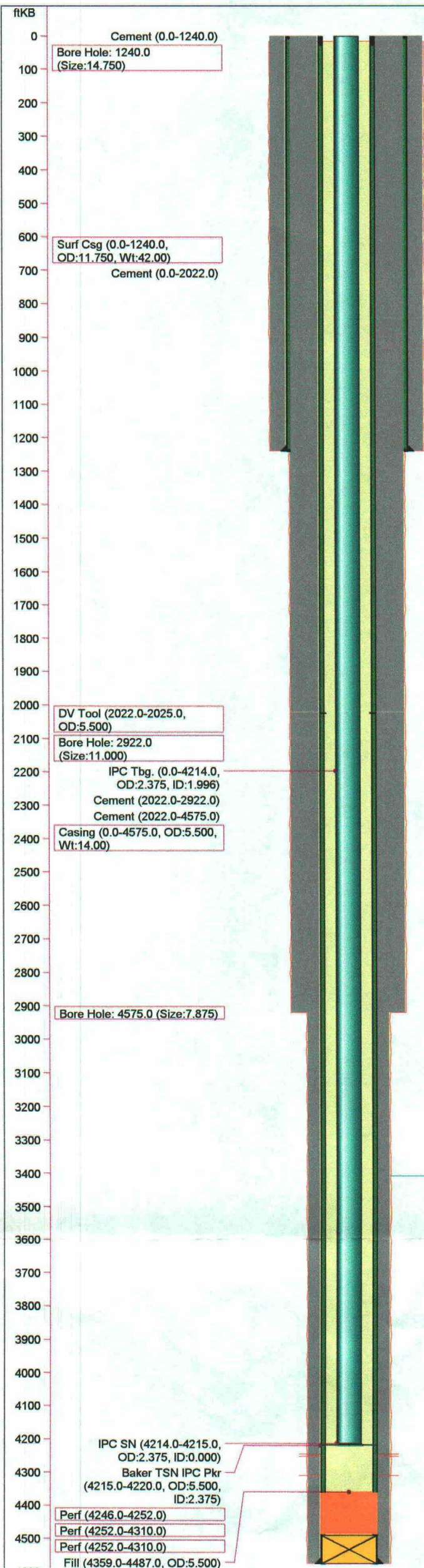
CMT DETAILS: 5-1/2"

CMTD W/420 GALS MUD FLUSH
8.3 PPG FOLLOWED W/315 SX CL C
W/10#/SK SILICALITE + .5% HALAD-344
+ .2% HALAD-322 + 2% KCL (1.82
FT3/SK, 13.6 PPG).

ORIGINAL COMPLETION

TBG: 2-3/8" 4.7#/FT J-55
SN: 2" STD @4087'
PKR: 2-3/8 X 5-1/2" ELDER SUR-LOK 4119-23'
VENT SUB, 1 JT TBG, TBG SUB W/NO-GO
VANN FIRING HEAD, 3-3/8" HOLLOW CARRIER GUN
& VANN BULL PLUG; BTM BP @ 4218'
PERF: 4195-4218' (23'-118 HOLES) 6 JSPP

PBD: 4420'
TD: 4505'



GOLDEN 8 FEDERAL #3									
API No.	3001527283	Comments							
TD	4575.0 ftKB	Status	ACT INJ						
PBTD	4487.0 ftKB	Engineer	KAA						
Operator	BEPCO	Permit							
Well No.	3	Spud	5/16/1993						
ID Code		RR	5/31/1993						
Field	GOLDEN LANE S (DELAWARE)	Completion	6/4/1993						
Author	RAS	Last Act.							
Date Updated	8/25/98	Abandoned							
Location									
Township	S021	Top Latitude	0						
		Top Longitude	0						
Range	E029	Top NS Distance	1980.0 ft S						
		Top EW Distance	990.0 ft W						
Section	8	Bottom Latitude	0						
Unit Ltr.	L	Bottom Longitude	0						
State	New Mexico	Btm NS Distance	0.0 ft						
County	EDDY	Btm EW Distance	0.0 ft						
Elevations									
KB	3408.0 ft	Cas Flng	0.0 ft						
Grd	3391.3 ft	Tub Head	0.0 ft						
KB-Grd	16.7 ft								
Bore Hole Data									
Date	Depth (ftKB)		Size (in)						
5/20/1993	1240.0		14.750						
5/21/1993	2922.0		11.000						
5/31/1993	4575.0		7.875						
Casing String - Surface Casing									
Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Surf Csg	5/20/1993	0.0	1240.0	28	11.750	11.080	42.00	STC	
Casing String - Production Casing									
Des	Date	Top (ftKB)	Btm (ftKB)	Jts	OD	ID	Wt	Grd	Thd
Casing	5/31/1993	0.0	4575.0	111	5.500	5.010	14.00	K-55	
DV Tool	5/31/1993	2022.0	2025.0		5.500	0.000	0.00		
Float Collar	5/31/1993	4487.0	4487.0		5.500	0.000	0.00		
Casing Cement									
Casing String	Date	Top (ftKB)	Btm (ftKB)	Amt (sx)	Comments				
Surface Casing	5/20/1993	0.0	1240.0	750					
Production Casing	5/31/1993	0.0	2022.0	1010	CMT CIRC				
Production Casing	5/31/1993	2022.0	2922.0		0	1ST STAGE - 7 7/8" HOLE			
Production Casing	5/31/1993	2022.0	4575.0		151	TOC EST			
Tubing String - Primary Tubing									
Des	Date	Top (ftKB)	Bottom (ftKB)	Jts	OD (in)	ID (in)	Wt	Grd	Thd
IPC Tbg.	9/6/1997	0.0	4214.0	134	2.375	1.996	4.70	J-55	8rd
IPC SN	9/6/1997	4214.0	4215.0		2.375	0.000	0.00		
Baker TSN IPC Pkr	9/6/1997	4215.0	4220.0		5.500	2.375	0.00		
Other (plugs, equip., etc.) - Plug Backs									
Date	Item	Top (ftKB)	Bottom (ftKB)	OD	ID				
6/10/1997	Fill	4359.0	4487.0	5.500	0.000				
5/31/1993	PBTD	4487.0	4575.0	5.500	0.000				
Perforations									
Date	Int	Holes	Status						
6/4/1993	4246.0 - 4252.0	6.0							
10/24/1994	4252.0 - 4310.0	2.0							
9/3/1997	4252.0 - 4310.0	2.0							

SL

GOLDEN 8 FEDERAL NO. 4

LOCATION: 990' FSL, 990' FWL, SEC 8, T21S, R29E, UNIT K

API NO: 30-015-27215

ELEVATIONS: GL 3367.2'

SPUD DATE: 1/15/93; RR DATE: 1/28/93; COMP DATE: 2/5/93

BASS ENTERPRISES

S. GOLDEN LANE (DELAWARE)

EDDY COUNTY, NM

DATE: 8-19-94 WHF



11-3/4" 42#/FT H-40 CSA 900'.
CMTD W/500 SX CL C CMT
CMT CIRC. HOLE SIZE 14-3/4".

8-5/8" 24#/FT S-80 & K-55 CSA 3020'.
CMTD 1050 SX CL C W/8% GEL, 8#/SK
SALT, 1/4#/SK CELLOSEAL TAILED W/
150 SX CL C W/1% CACL2. CMT CIRC.
HOLE SIZE 11".

CI800@4150'
Well TA'd

5-1/2" 14#/FT K-55 ST&C CSA 4575'.
CMTD W/350 SX CL C W/10#/SK SILICA
LITE W/5% HALAD 344, .2% HALAD 322
& 2% KCL. EST TOC 2100'. HOLE SIZE
7-7/8".

WELBORE INFORMATION

TBG: 2-3/8" 4.7#/FT J-55 TO 4178'
TAC: BAKER MOD B 4178-4181'
4 JTS SAME TBG 4181-4307'
SN: 4307-4308'

PERFS: 4214-4228' (84 HOLES, 8 SPF) (2/5/93)

PSTD: 4490' (FLOAT COLLAR)
TD: 4575' (LTD 4578')

(GOLD8-4)

C-108 VT-A4

BIG EDDY UNIT #85

LOCATION: 1980' FWL, 660' FSL, UNIT LETTER N,
SECTION 8, T21S, R29E

API NO: 30-015-23629

ELEVATIONS: GL 3366' KB 3382'

SPUD DATE: 5-28-81 COMP DATE: 8-21-81

BASS ENTERPRISES
GOLDEN LANE (MORROW)
EDDY COUNTY, NM
DATE: 8-19-94 WHF



11-3/4" 42#/FT H-40 CSA 475'
CMTD W/475 SX HALCO LITE CMT
200 SX CL C CMT 875 SX TOTAL
CMT CIR HOLE SIZE 15"

8-5/8" 32#/FT K-55 ST&C CSA @ 3300'
CMTD 1900 SX LITE, 250 SX CL C
CMT CIR HOLE SIZE 11"

5-1/2" 17#/FT N80 45-85 CSA @ 12,800'
CMTD W/750 SX H
EST TOC @ 7740'

WELLBORE INFORMATION

HALLIBURTON FO CEMENTER
(STAGE TOOL) SET @ 4548'
CMT W/250 SX POZ A &
100 SX CL C CMT
EST TOC @ 2471'

EST TOC @ 9500'

TBG: 2-3/8" 4.7#/FT N-80 ABC MOD @ 12,284'
OTIS MH-2 PKR TOP SET @ 12,284'

PERFS: 12,385-518' (MORROW)

PBTD: 12755'
TD: 12800'

(BEU#85)

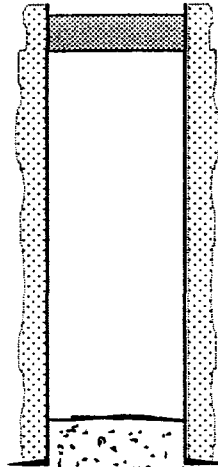
GOLDEN "C" FEDERAL NO. 1

LOCATION: 2080' FEL, 395' FNL, SEC 17, T21S, R29E, UNIT B
API NO: 30-015-27427
ELEVATIONS: GL 3342.1'
SPUD DATE: 6/1/93; RR: 6/13/93 P&A: 6/13/93

BASS ENTERPRISES
S. GOLDEN LANE (DELAWARE)
EDDY COUNTY, NM
DATE: 7/8/93; GP ~~ASS~~

WELLBORE INFORMATION

9-5/8" 36#/FT WC ST&C CSA 730'.
CMTD W/205 SX CL C, TAILED W/145 SX
CL C. CMT CIRC. HOLE SIZE 12-1/4".



50 SK PLUG CL C @ 93'; CIRC CMT
CUT OFF WELLHEAD, WELD PLATE ON CSG

50 SK PLUG CL C @ 783'
TAG CMT @658' (72' IN CSG; 53' BELOW CSG)

50 SK PLUG CL C @ 1814'

8-3/4" OPEN HOLE 730-4550'

50 SK PLUG CL C @ 3066'

50 SK PLUG CL C @ 4544'
TD: 4550'

SSF

GOLDEN "D" FEDERAL NO. 2

LOCATION: 660' FSL, 1980' FEL, SEC 8, T21S, R29E, UNIT O
API NO: 30-015-27060
ELEVATIONS: GL 3375.2' DF 3390.5' KB 3391.9'
SPUD DATE: 4/5/93; COMP DATE: 5/19/93

BASS ENTERPRISES
S. GOLDEN LANE (DELAWARE)
EDDY COUNTY, NM
DATE: 5/13/97;RAS;GOLDD2

KPA

WELLBORE INFORMATION

11-3/4" 42#/FT H-40 ST&C CSA 896'.
CMTD W/285 SX CL C W/4% GEL,
+ 1% CACL2 + 1/4#/SK CELLOSEAL.
TAILED W/ 225 SX CL C W/2% CACL2.
CMT CIRC. HOLE SIZE 14-3/4".

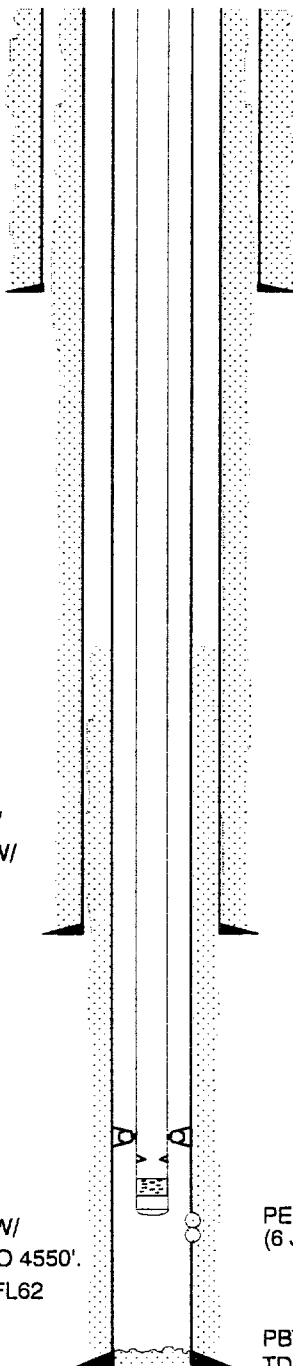
TUBING STRING:
129 JTS. 2 3/8" J-55, 4.7# TBG @ 4110'
2 3/8" ELDER TAC @ 4113'
4 JTS 2 3/8" J-55, 4.7# TBG @ 4240'
2 3/8" STD SN @ 4241'
2 3/8" SCREENED PERF SUB @ 4245'
2 3/8" MUD ANCHOR W/PB&C @ 4278'

8-5/8" S80,K55 24#/FT ST&C CSA 3000'.
CMTD W/1140 SX PACESETTER LITE W/
6# SALT + 1/4# CELLOSEAL. TAILED W/
175 SX CL C + 1% CACL2. CMT
CIRC. HOLE SIZE 11".

5-1/2" 14#/FT K-55 ST&C CSG TO 4459' W/
2 JTS 15.5# K55 LT&C & FLOAT SHOE TO 4550'.
CMT W/350 SX CL C W/10# BA90 + 1% FL62
+.3% CD32 + 2% KCL. EST TOC 2100'.
HOLE SIZE 7-7/8".

PERF: 4203-07, 4210-18, 4227-35, 4242-46'
(6 JSPF, 137 SHOTS)(5/19/93)

PBTD: 4463'
TD: 4550' (LTD 4551')



CONFIDENTIAL
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVAL
OMB NO. 1004-01
Expires: December 31.

5. LEASE DESIGNATION AND

NM-02946

6. IF INDIAN, ALLOTTEE OR TRU

7. UNIT AGREEMENT NAME

BIG EDDY UNIT

8. FARM OR LEASE NAME, WELL

BIG EDDY UNIT #113

9. API WELL NO.

30-015-26931

10. FIELD AND POOL, OR WILDCAT

GOLDEN LANE (DELAWARE)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC 8, T-21-S, R-29-E

12. COUNTY OR PARISH
EDDY

13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other _____

2. NAME OF OPERATOR
BASS ENTERPRISES PRODUCTION CO. Well name is Golden 8 Fed #1 new

3. ADDRESS AND TELEPHONE NO.
P O BOX 2760; MIDLAND, TX 79702-2760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2180' FWL & 1650' FSL

At top prod. interval reported below UNIT LETTER K

At total depth SAME

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 3-3-92 16. DATE T.D. REACHED 3-24-92 17. DATE COMPL. (Ready to prod.) 4-10-92 18. ELEVATIONS (DF. RKB, RT, GE, ETC.)* 3389.6' GL 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 6800' 21. PLUG, BACK T.D., MD & TVD 6465' 22. IF MULTIPLE COMPL., HOW MANY* NONE 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6800' CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4238'-4252' (31 HOLES) GOLDEN LANE (DELAWARE) 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN SDL-DSN-GR, DLL-MSFL-GR, FWS-GR, LSS-GR 27. WAS WELL CORDED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
8 5/8"	24#	810'	12 1/4"	NONE
7"	29#	3165'	7 7/8"	NONE
4 1/2"	11.69#	6800'	6"	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4200'	4200'

31. PERFORATION RECORD (Interval, size and number)

1. 6534'-6550' (64 HOLES)

2. 4238'-4252' (31 HOLES)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6534'-6550'	1000 GALS 7 1/2% HCI
4238'-4252'	CIBP @ 6500'-DUMP BAIL 35' CEMENT
	NONE

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4-10-92		FLOWING				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
4-13-92	24	W/O	149	EST 40	0	268	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
50	PACKER	149	EST 40	0	42.6		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED FOR TEST

TEST WITNESSED BY

MIKE WAYGOOD

35. LIST OF ATTACHMENTS

ABOVE LOGS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W.C. Smith

TITLE SENIOR PRODUCTION CLERK

DATE 4-16-92

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

C-108 VT-C1

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
CAPTIAN REEF	2320'	2870'	NO DST NO CORES	T/SALADO	874'	874'
				T/DELAWARE		
				MOUNTAIN GROUP	3045'	3045'
				T/CHERRY CANYON	3867'	3867'
				T/BRYSHY CANYON	5059'	5059'
				T/BONE SPRING LIME	6701'	6701'

38. GEOLOGIC MARKERS

CONFIDENTIALDEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTMULTIPLICATE*
(See other instructions on reverse side)FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM-02946

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
GOLDEN "8" FEDERAL #2

9. API WELL NO.

30-015-27036

10. FIELD AND POOL, OR WILDCAT

SOUTH GOLDEN LANE DELAWARE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC 8, T21S, R29E

12. COUNTY OR PARISH

EDDY

13. STATE

NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

BASS ENTERPRISES PRODUCTION CO.

3. ADDRESS AND TELEPHONE NO.

P O BOX 2760; MIDLAND, TX 79702-2760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

330' FSL & 2310' FWL UNIT LETTER N.

At top prod. interval reported below

At total depth SAME AS ABOVE

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7-9-92

16. DATE T.D. REACHED

7-25-92

17. DATE COMPL. (Ready to prod.)

7-30-92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3360' GR, 3378' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4506'

21. PLUG, BACK T.D., MD & TVD

4420'

22. IF MULTIPLE COMPL., HOW MANY*

NO

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0'-4,506'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4195'-4218' DELAWARE

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL, GR-LSS, CNL-LDT

27. WAS WELL CORED

NO

29. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42#	695'	14 3/4"	CIRCULATED, -500sx CL "C"	NONE
8 5/8"	24#	2982'	11"	CIRCULATED, -1600sx CL "C"	NONE
5 1/2"	14#	4505'	7 7/8"	EST: TOC 2480' 315sxCL "C"	NONE

29. NONE

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4123'	4123'

31. PERFORATION RECORD (Interval, size and number)

4195'-4218' (118 HOLES)
6 JSPF, 60° PHASED W/26 GRAM CHARGES.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4195'-4218'	NONE

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-31-92		FLOWING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
8-9-92	24 HRS	3/4"	→	84	92	0	1095
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
40	PACKER	→	84	92	0	42.6	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

FUEL & VENTED

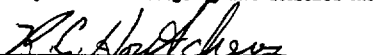
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

2 OF ABOVE LOGS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED



TITLE SR PRODUCTION CLERK

DATE 8-11-92

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>DST NO. 1 3780'-3810' PIPE RECOVERY:</p> <p>1737 FT TOTAL 0 FT OF WTR CUSHION 1246 FT DRLG FLUID 310 FT GC DM 181 FT FORMATION WTR</p> <p>SAMPLE CHAMBER:</p> <p>2300 CC TOTAL VOLUME 2300 CC RECOVERED VOLUME 1900 CC FW 400 CC OIL 133 FT3 GAS @ 170 PSI</p>

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
T/RUSTLER T/DELAWARE MTN GROUP T/CHERRY CANYON T/49er	552' 3054' 3837' 4195'	552' 3054' 3837' 4195'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM-02946

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

GOLDEN 8 FEDERAL #3

9. API WELL NO.

30-015-27283

10. FIELD AND POOL, OR WILDCAT

SOUTH GOLDEN LANE (DELAWARE)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SECTION 8, T21S, R29E

12. COUNTY OR PARISH
EDDY13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REMVR. ☐ Other _____

2. NAME OF OPERATOR

BASS ENTERPRISES PRODUCTION CO.

3. ADDRESS AND TELEPHONE NO.

P O BOX 3760; MIDLAND, TX 79702-2760 (915) 683-2277

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1980' FSL & 990' FWL UNIT LETTER L.

At top prod. interval reported below

At total depth SAME AS ABOVE

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

5-16-93

5-29-93

6-4-93

3391.3' GL 3407' DF

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

4575'

4487'

SINGLE

0'-4575'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4246'-4252' (DELAWARE)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

LITHO-DESITY, COMPENSATED NEUTRON GR, PHASOR INDUCTION SFL, GR

27. WAS WELL CORRED

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11 3/4" -A-	42#	1240'	14 3/4"	CIRCULATED- 750SX CL "C"	NONE
5 1/2" -A-	14#	4575'	11" & 7 7/8"	CIRCULATED-1500SX H.L.	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4138'	4138'

31. PERFORATION RECORD (Interval, size and number)

3 3/8" X 6' GUN LOADED W/6 JSFP
@ 60° PHASED. 36 HOLES PERFS. 4246'-4252'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4246'-4252'	NONE

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-4-93		FLOWING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
6-5-93	19	24/64	→	41	21	1	519
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
75	PACKER	→	52	27	1	42.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

SALES & LEASE USE

35. LIST OF ATTACHMENTS

2 EACH ABOVE LOGS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED


R.C. HOUTCHENS

TITLE SR. PRODUCTION CLERK

DATE 6-8-93

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

P-408 AT-03

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NO DST'S NO CORES

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
T/RUSTLER	902'	902'
T/CAPITAN REEF	2064'	2064'
T/DELAWARE SANT	3044'	3044'
T/CHERRY CANYON	3854'	3854'
T/49'er SAND	4239'	4239'

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

MAILED 1993
MESSAGE DESIGNATION AND SERIAL NO.

NM-02946

RECEIVED
6. INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other _____

3. NAME OF OPERATOR
Bass Enterprises Production Co.

4. ADDRESS AND TELEPHONE NO.
P. O. Box 2760, Midland, Texas 79702-2760

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 990' FSL & 990' FWL Unit Letter M.

At top prod. interval reported below

At total depth same as above

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Golden 8 Federal #4

9. API WELL NO.
30-015-27215

10. FIELD AND POOL, OR WILDCAT
South Golden Lane Delaware

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 8, T21S, R29E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

15. DATE SPUDDED 1-15-93 16. DATE T.D. REACHED 1-26-93 17. DATE COMPL. (Ready to prod.) 2-5-93 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 3367.2 GL 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 4575' 21. PLUG, BACK T.D., MD & TVD 4487' 22. IF MULTIPLE COMPL., HOW MANY* No 23. INTERVALS DRILLED BY ROTARY TOOLS 0.-4575' CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4214' - 4228' (Delaware) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN LDT-CNL-GR, PID-SFL-GR 27. WAS WELL CORRED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11-3/4" A	42#	900'	14-3/4"	Circulated-500 sx CL "C"	None
8-5/8" A	24#	3020'	11"	Circulated-1200 sx CL "C"	None
5-1/2" A	14#	4575"	7-7/8"	Est. 2100'-350 sx CL "C"	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4142'	4142'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4214'-4228' Vann 3-3/8" gun w/ 26 Gram charges. 60 phased head 6 JSPF 84 holes.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4214'-4228'	None

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-6-93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-9-93	24	22/64		113	73	0	646
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
90	Packer		113	73	0	43.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
2. Above Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED R.C. Hutchens TITLE Senior Production Clerk
MAR 9 1993
CARLSBAD, NEW MEXICO

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Core No. 1 4198 - 4258'

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler T/Delaware T/Cherry Canyon	532' 3019' 3824'	532' 3019' 3824'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-02946

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

BIG EDDY UNIT

8. FARM OR LEASE NAME

BIG EDDY UNIT

9. WELL NO.

85

10. FIELD AND POOL, OR WILDCAT

COWAN LANE MORROW

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 8, T21S, R24E

12. COUNTY OR PARISH

EDDY

13. STATE

N. Mex

1a. TYPE OF WELL:

OIL WELL ☐GAS WELL ☒DRY ☐Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒WORK OVER ☐DEEP-EN ☐PLUG BACK ☐DIFF. RESVR. ☐Other ☐

SEP 3 1981

2. NAME OF OPERATOR

PERRY R. BASS

3. ADDRESS OF OPERATOR

Box 2760, MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1480' FWL + 660' FSL - UNIT LETTER N.

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

5-28-81

16. DATE T.D. REACHED

7-13-81

17. DATE COMPL. (Ready to prod.)

8-14-81

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3366' GL

3382' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12,800'

21. PLUG, BACK T.D., MD & TVD

12,755'

22. IF MULTIPLE COMPL. HOW MANY*

—

23. INTERVALS DRILLED BY

ROTARY TOOLS

C-11, 800'

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

12,365' - 12,516' MORROW

26. TYPE ELECTRIC AND OTHER LOGS RUN

CN-FD, DI-SFL + DL-MSFL

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

YES

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42#	755'	15"	475 SKS "LIGHT"	NONE
8 7/8"	32# + 28#	3300'	11"	1900' LITE + 250 "C"	NONE
5 1/2"	17#	12800'	7 7/8"	725 SKS CLASS "H"	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE				2 7/8	14,284'	12,280'

31. PERFORATION RECORD (Interval, size and number)

12,365' - 12,516': FOURTEEN HOLES, 4" GN.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
12,365' - 12,516'	4700 GALS 2 1/2% HCl MSR-100 PLUS ADDITIVES AND 28 BALL SEALERS.

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8-14-81		FLOWING				52- WOPL	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER —BBL.	GAS-OIL RATIO
8-18-81	3 1/2	VARIOUS	→	0	88	—	—
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2480	PACKER	→	—	NOF 1,379	—	—	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

TEST WITNESSED BY

DAVIS SERVICES, INC.

35. LIST OF ATTACHMENTS

TWO EACH OF ABOVE LOGS.

ACCEPTED FOR RECORD
ROGER A. CHAPMAN

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

J. F. Murty, Jr.

TITLE

Sr. Asst. Geol. Eng.

DATE

Sept. 2, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

1408 VI-CE

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22 and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP FROM LOG	TRUE VERT. DEPTH
MORROW	12,450'	12,465'	(12') CORE #1.	KB T/DELAWARE T/BONE SPRING T/WOLF CAMP T/STRAWN T/ATOKA T/M. MORROW T/L. MORROW	3382'		
DELAWARE	4,150'	4,371'	(221') DST #1: SEE ATTACHED.		3223'		
M. V. L. E. MORROW	12,450'	12,500'	(50') DST #2 (STRAWN): SEE ATTACHED.		6752'		
					7932'		
					11184'		
					11470'		
					17298'		
					17599'		

WT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 1 1993
(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				3. LEASE DESIGNATION AND SERIAL NO. NM-0509	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REMVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR BASS ENTERPRISES PRODUCTION CO.				7. UNIT AGREEMENT NAME -----	
3. ADDRESS AND TELEPHONE NO. P O BOX 2760; MIDLAND, TX 79702-2760				8. FARM OR LEASE NAME, WELL NO. GOLDEN "D" FEDERAL #2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FEL & 660' FSL OF UNIT LETTER O At top prod. interval reported below At total depth SAME AS ABOVE				9. API WELL NO. 30-015-27060	
14. PERMIT NO. DATE ISSUED				10. FIELD AND POOL, OR WILDCAT SOUTH GOLDEN LANE (DELAWARE)	
15. DATE SPDCDD <u>5-4-93</u>				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SECTION 8, T21S, R29E	
16. DATE T.D. REACHED <u>5-15-93</u>				12. COUNTY OR PARISH EDDY	
17. DATE COMPL. (Ready to prod.) <u>5-19-93</u>				13. STATE NM	
18. ELEVATIONS (DF, RMB, RT, GE, ETC.)* 3369' GR				19. ELEV. CASINGHEAD -----	
20. TOTAL DEPTH, MD & TVD 4550'		21. PLUG BACK T.D., MD & TVD 4463'		22. IF MULTIPLE COMPL. HOW MANY* SINGLE	
23. INTERVALS DRILLED BY ROTARY TOOLS 0'-4550'				CABLE TOOLS -----	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4203'-4246' DELAWARE				25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-LDT, GR PHASOR INDUCTION-SFL, GR				27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
11 3/4"-A-	42#	896'	14 3/4"	CIRCULATED-510SX CL "C"	NONE
8 5/8"-A-	24#	3000'	11"	CIRCULATED-1315SX P.S.L.C.	NONE
5 1/2"-A-	14#	4550'	7 7/8"	2100-350 SX CL "C"	NONE
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 3/8"	4130'	4130'			
31. PERFORATION RECORD (Interval, size and number) 3 3/8" GUN 6 JSPF @ 60° PHASED 4203'-4207', 4210'-4218', 4227'-4235' 4242'-4246'-(137 SHOTS)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
4203'-4246'			NONE		
33. PRODUCTION					
DATE FIRST PRODUCTION 5-19-93		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING			WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 5-30-93	HOURS TESTED 24	CHOKE SIZE 24/64	PROD'N. FOR TEST PERIOD →	OIL—BSL. 107	GAS—MCF. 71
FLOW. TUBING PRESS. 200	CASING PRESSURE PACKER	CALCULATED 24-HOUR RATE →	OIL—BSL. 107	GAS—MCF. 71	WATER—BSL. 11
			OIL GRAVITY-API (CORR.) 42.7		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SALES & LEASE FUEL					TEST WITNESSED BY
35. LIST OF ATTACHMENTS 2 EACH ABOVE LOGS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED R.C. HOUTCHENS		TITLE SR. PRODUCTION CLERK		DATE JUNE 1, 1993	

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

VI-06

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NO-DSTS NO-CORES

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
T/RUSTLER	879	879
T/SALT	1317	1317
T/DELAWARE	3052	3052
T/CHERRY CANYON	3859	3859
T/49'ER SAND	4203	4203

Data Sheet
Section VII (A), Form C-108

1. Proposed rates of injection:
 - a. Average daily rate of injection: 500 bbls
 - b. Maximum daily rate of injection: 1000 bbls

2. Type of system:

System will be closed

3. Proposed injection pressure:

Average: 600 psig
Maximum: 960 psig

4. Source of injected water:

Delaware produced water

5. Not applicable

BASS ENTERPRISES PRODUCTION COMPANY

GEOLOGICAL DISCUSSION SECTION VIII, FORM C-108

The proposed injection zone is the "49er" sand member of the Cherry Canyon interval of the Delaware Mountain Group. The Delaware Mountain Group consists of fine sands, silts and thin limestone beds. The injection zone averages 90' in thickness with the top at 4198'.

One fresh water well is known to exist within 1 mile of proposed injection well. This well is located in the NE1/4 NW1/4, Section 18, T21S-R29E, Eddy County, New Mexico. This water is believed to be Rustler water at a depth of 190-286'. No sources of potable water are known to exist below the proposed injection zone.

September 26, 2000

BASS ENTERPRISES PRODUCTION CO.

PROPOSED STIMULATION PROCEDURE
SECTION IX, FORM C-108

GOLDEN "D" FEDERAL #1

It is proposed to stimulate the injection interval with approximately 3500 gallons 7-1/2% NEFE acid. If necessary to establish injection, a small fracture treatment will be pumped.

Section X - Form C-108

All logging and test data has been previously submitted.

SECTION XI – FORM C-108

One fresh water well is known to exist within 1 mile of proposed injection well. This well is located in the NE1/4 NW1/4, Section 18, T21S-R29E, Eddy County, New Mexico. This water is believed to be Rustler water at a depth of 190-286'. No sources of potable water are known to exist below the proposed injection zone.

No water samples available.

Affirmative Statement
Section XII - Form C-108

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.

Affidavit of Publication

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 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:

September 22	2000
	2000
	2000
	2000
	2000
	2000

That the cost of publication is \$ 36.87,
and that payment thereof has been made and will be
assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

22 day of September, 2000
Reina Lopez

My commission expires 5/25/03
Notary Public

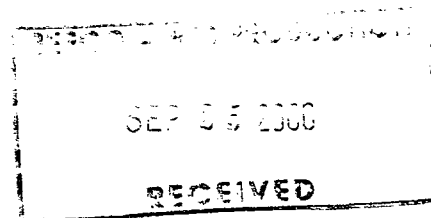
September 22, 2000

NOTICE OF APPLICA-
TION FOR OIL AND GAS
WASTE DISPOSAL
WELL PERMIT.

Bass Enterprises Produc-
tion Company has applied
to the Oil Conservation Di-
vision of New Mexico for a
permit to dispose of pro-
duced salt water or other
oil and gas waste by well
injection into a porous for-
mation productive of oil or
gas.

The applicant proposes to
dispose of oil and gas
waste into the Delaware
formation, Golden "D"
Federal #1. The proposed
disposal well is located 13
miles east north east of
Carlsbad, New Mexico in
the South Golden Lane
(Delaware) field in Eddy
County, New Mexico. The
waste water will be in-
jected into strata in the
subsurface depth interval
4208' to 4224'.

Requests for a public
hearing from persons who
can show they are ad-
versely affected, or re-
quests for further informa-
tion concerning any as-
pect of the application
should be submitted in
writing, within fifteen days
of publication to the Oil
Conservation Division,
P.O. Box 1148, Santa Fe,
New Mexico. Telephone
(505) 827-2538.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

*CASE NO. 11078
ORDER NO. R-10215*

**APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR A PRESSURE
MAINTENANCE PROJECT, EDDY COUNTY, NEW MEXICO**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on September 1, 1994 at Santa Fe, New Mexico, before Examiner Jim Morrow.

NOW, on this 12th day of October, 1994, the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Bass Enterprises Company (Bass), seeks authority to institute a pressure maintenance project on its Golden "8" Federal Lease in Section 8, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico, by the injection of water into the South Golden Lane-Delaware Pool through the perforated interval from approximately 4248 feet to 4310 feet in its Golden "8" Federal Well No. 3, located 1980 feet from the South line and 990 feet from the West line (Unit L) of said Section 8.

(3) Bass operates eight producing wells in the pool, the Golden "8" Federal Well Nos. 1, 2, 3 and 4; the Golden "B" Federal Well No. 1; and the Golden "D" Federal Well Nos. 1, 2 and 3. The wells are located on federal leases in the NW/4, SW/4, and SE/4 of Section 8 and the NW/4 of Section 17. Both sections are in Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico. At Bass' request, the Bureau of Land Management approved this area as a Pressure Maintenance Project Area.

(4) The pool was discovered in March 1992 and has produced approximately 140,000 barrels of oil and 104 MCF gas. Current daily production (As of July 1, 1994) is approximately 400 barrels of oil, 290 MCF gas and 340 barrels of water. The area has not reached the advanced or "stripper" state of depletion.

(5) Bass proposes to convert the Golden "8" Federal Well No. 3 to injection. It has almost watered out and is currently producing about three barrels of oil per day with a 96% water cut. Injection would be into the Cherry Canyon interval of the Delaware formation.

(6) Produced water from the South Golden Lane-Delaware Pool would be injected into the proposed injection well. The average injection rate would be 500 BWPD at an average injection pressure of 800 psi. Maximum injection rate and pressure would be 1000 BWPD and 850 psi. The maximum injection pressure requested is 0.2 psi per foot. Injection would be through 2 3/8-inch plastic-coated tubing set in a packer at 4175 feet. Diagrams of the proposed injection well and other data presented by Bass indicates that all fresh water and hydrocarbon producing intervals would be protected and that injection would be confined to the Cherry Canyon formation.

(7) The Bass witness presented the results of reservoir computer simulation studies which show that the project is expected to recover an additional 76,000 barrels of oil.

(8) Bass requested a project oil allowable of 640 barrels per day. This is equal to the top pool allowable of 80 barrels of oil per day times the number of wells in the pool. There are eight wells in the pool including the well proposed for conversion to injection. Bass also requested approval to produce the project allowable from any combination of producing wells within the project area. All the wells in the project are operated by Bass and all are on federal leases. Bass did not present data at the hearing to show that ownership is identical in all the wells. Bass should be required to submit information showing identical well ownership before obtaining authorization to produce the wells on a project basis.

(9) Data was submitted for each well within 1/2-mile of the proposed injection well. There are eight wells within the area of review. Production casing in each of the wells is cemented across the Cherry Canyon injection interval to prevent the migration of injection fluids out of the interval.

(10) The project should be approved and should be designated the South Golden Lane Pressure Maintenance Project.

IT IS THEREFORE ORDERED THAT:

- (1) The applicant, Bass Enterprises Production Company, is hereby authorized to institute a pressure maintenance project on its Golden "8" Federal lease in Section 8, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico by the injection of water into the South Golden Lane-Delaware Pool through the perforated interval from approximately 4248 feet to 4310 feet in its Golden "8" Federal Well No. 3, located 1980 feet from the South line and 990 feet from the West line (Unit L) of said Section 8.
- (2) The project area shall consist of three federal leases which include the following acreage; NW/4, SW/4, and SE/4 of Section 8 and NW/4 of Section 17, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico.
- (3) The project shall be designated the South Golden Lane Pressure Maintenance Project.
- (4) The applicant is authorized to submit data to the Santa Fe office of the Division which shows that ownership in all project wells is identical. Upon receipt of such information, the Division Director shall have the authority to administratively assign a project allowable of 640 barrels of oil per day and authorize the production of the project allowable from any well or combination of wells within the project area.
- (5) The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape into other formations or onto the surface.
- (6) Injection into the proposed injection well shall be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set approximately within 100 feet of the uppermost injection perforation; the casing-tubing annulus shall be filled with an inert fluid; and a pressure gauge or approved leak-detection device shall be attached to the annulus in order to determine leaks in the casing, tubing or packer.
- (7) The injection well or pressurization system shall be equipped to limit the surface injection pressure to no more than 850 psi.

(8) The Director of the Division shall be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such high pressure will not result in migration of the injected waters from the South Golden Lane-Delaware Pool.

(9) Prior to commencing injection operations, the casing of the subject well shall be pressure-tested throughout the interval, from the surface down to the proposed packer-setting depth, to assure integrity of such casing.

(10) The applicant shall give advance notification to the supervisor of the Division's Artesia District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure-test in order that the same may be witnessed.

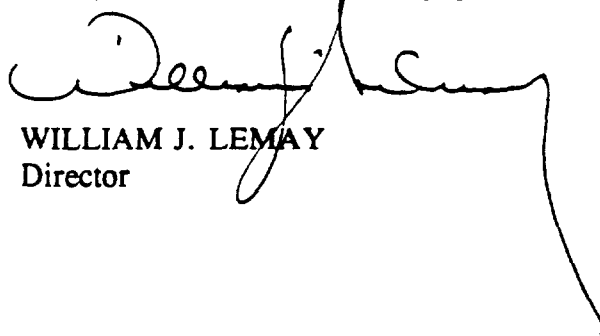
(11) The operator shall immediately notify the supervisor of the Artesia District Office of any failure of the tubing, casing or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(12) The applicant shall conduct injection operations in accordance with Division Rule Nos. 701 and 708 and shall submit monthly progress reports in accordance with Division Rule Nos. 706 and 1115.

(13) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION/DIVISION



WILLIAM J. LEMAY
Director

S E A L