



Chevron

March 31, 1999

APPLICATION FOR AUTHORIZATION
TO INJECT - OCD FORM C-108
EUNICE MONUMENT SOUTH UNIT AREA B
EUNICE MONUMENT OIL POOL
LEA COUNTY, NEW MEXICO

Chevron U.S.A. Production Company
P.O. Box 1150
Midland, TX 79702

APR - 8 1999

State of New Mexico
Energy and Minerals Dept.
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

Attention: Mrs. Lori Wrotenbery, Director

Mrs. Wrotenbery

Chevron U.S.A. Production Co. requests your approval of the subject application to inject water into the Eunice Monument South Unit Area B Well No. 851 located in Unit C, Section 11, Township 20 South, Range 36 East, Lea County, New Mexico.

This conversion will provide the much needed injection support in this area and enhance the production of the EMSUB secondary recovery unit.

Attached is an OCD Form C-108 with information relative to the water injection conversion of the EMSUB #851

A copy of this letter and application is being sent to applicable surface land owners and offset operators by certified mail as their notice.

Your prompt consideration and approval of this application will be greatly appreciated. If further information is required please contact me at (915) 687-7288

Sincerely,



Sean Buehler
Petroleum Engineer
New Mexico Waterfloods

SB
Attachments

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Chevron USA Production Co.
Address: PO Box 1150 Midland, TX 79702
Contact party: Sean Buchler - Pet Engineer Phone: 915-687-7288
- 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 B-7766
- 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/l or less) overlying the proposed injection zone as well as any such source 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 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: Sean Buchler Title: Petroleum Engineer

Signature: Sean Buchler Date: 3/31/99

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Earlier submittal presented as exhibits in Case No 8398

Commissioner's hearing held on 11-07-84 (Order No. 7766 - effective 12-27-84)

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division 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 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, New Mexico 87501 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.

**EMSUB #851 Conversion to Injection
Eunice Monument South Unit
Lea County, NM**

INFORMATION FOR NMOCD FOR C-108

ITEM I

(See OCD Form C-108)

ITEM II

(See OCD Form C-108)

ITEM III

See attached wellbore schematic

ITEM IV

(See OCD Form C-108)

ITEM V

This was originally submitted as Exhibit No. 28 Case No. 8398 heard at a Commissioner's hearing on 11-07-84 (Order No. 7766 – effective 12-27-84). Smaller area maps relating to the EMSUB #851 conversion are attached.

ITEM VI

This was originally submitted as Exhibit No. 31 of Case 8398 heard at a Commissioner's hearing on 11-07-84 (Order No. 7766 – effective 12-27-84). Please note attached schematic diagrams of new drilled wells within the area of review since the effective date of the Order. No existing wells at the time of the original Order are known to have been plugged and abandoned.

ITEM VII

See attached table showing items VII (1), (2), and (3) for the subject well of this C-108 application. Items VII (4) and (5) are consistent with the original C-108 application and its exhibit No. 33a.

ITEM VIII

This was originally submitted as exhibit No. 34a and 36 of Case No. 8398 heard at a Commissioner's hearing on 11-07-84 (Order No. 7766 – effective 12-27-84). Copies of these exhibits are enclosed.

ITEM IX

See attached workover procedure.

ITEM X

Logging and test data have been filed with the OCD.

ITEM XI

This was originally submitted as Exhibit No. 37 of Case 8398 heard at a Commissioner's hearing on 11-07-84 (Order No. 7766 – effective 12-27-84). A copy of this Exhibit is enclosed.

ITEM XII

This was originally submitted as Exhibit No. 38 of Case 8398 heard at a Commissioner's hearing on 11-07-84 (Order No. 7766 – effective 12-27-84). A copy of this Exhibit is enclosed.

ITEM XIII

All surface landowners and offset operators are being notified by Certified Mail with a copy of the C-108 Form. A request for publication in the Hobbs News-Sun was mailed on 3-31-99. The actual newspaper ad and an affidavit of publication will be forwarded to the OCD as soon as it is obtained.



Chevron U.S.A. Production Company
P.O. Box 1150
Midland, TX 79702

March 31, 1999

REQUEST TO PUBLISH
LEGAL NOTICE

Hobbs News-Sun
201 N. Thorp
Hobbs, NM 88240

Attention: Classified Department

Chevron U.S.A. Production Company requests that you publish the attached notice in your newspaper, one time only, as soon as possible.

Please mail the invoice to the letterhead address, attention Sean Buehler. Also please attach a copy of the notice as run in your newspaper and an affidavit certifying publication of the attached notice and the date of publication.

Your prompt assistance in this matter will be greatly appreciated. Questions may be directed to Mr. Sean Buehler at (915)-687-7288.

Sincerely,

A handwritten signature in black ink that reads "Sean Buehler". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Sean Buehler
Petroleum Engineer

SB
Attachment



Chevron U.S.A. Production Company
P.O. Box 1150
Midland, TX 79702

**Legal Notice
(3/31/99)**

Chevron U.S.A. Production Company has applied to Oil Conservation Division of the State of New Mexico for approval to convert #851 to an injection well in their Eunice Monument South Unit Area B. This well is designed to improve efficiency of the waterflood pattern and enhance the production of the EMSUB secondary recovery project. This well is located in Section 11, Unit C, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Water will be injected into the unitized interval of the Eunice Monument Grayburg-San Andres Pool which has an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation. Injection will at an expected maximum rate of 1500 barrels of water per day and an expected maximum pressure of 750 pounds per square inch. Persons wanting to contact Chevron U.S.A. should direct their inquiries to Sean Buehler, Chevron U.S.A., P.O. Box 1150, Midland, TX 79702, phone (915)-687-7288.

Interested Parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501 within 15 days of this notice.

Proposed

WELL DATA SHEET

FIELD: Eunice Monument

WELL NAME: EMSUB #851

FORMATION: Grayburg

LOC: 320' FNL & 2310' FWL

SEC: 11, Unit C

GL: 3590'

TOWNSHIP: 20-S

COUNTY: Lea

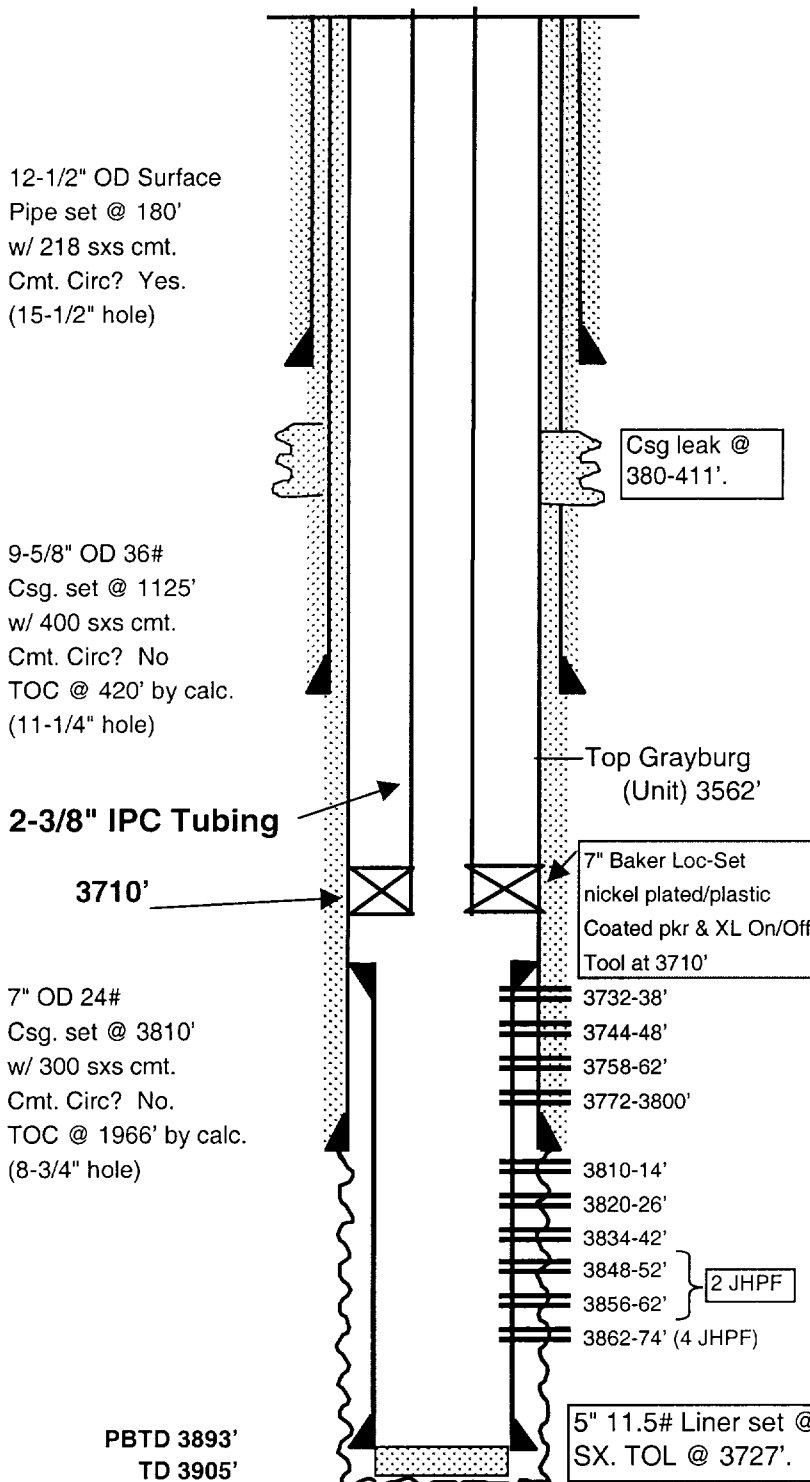
KB: 3580'

API NO: 30-025-04221

RANGE: 36-E

STATE: NM

CHEVNO: FA53660:01



Date Completed: 8/14/36

Initial Production:

Initial Formation: Grayburg

FROM: 3815 TO: 3905

Well History

COMPLETION:

Completed OH 3815-3905' (natural).

Wellwork

8/59 Run 5" 11.5# Liner from 3727-3893'. Cemented w/ 44 SX. Perf 3862-74' w/ JHPF. ACDZ w/ 1000 gals 15% HCl. Test: 144 BOPD.

6/84 Perf 3848-52, 3856-62 with 2 JHPF. ACDZ w/ 3600 gals 15% HCl. Test: 10 BO/ 14 BW/ 54 MCFG.

8/85 Find csg leak @ 380-411'. Perf w/ 4 shots @ 400'. Perf 7" @ 405' w/ 2 shots. Pump 325 SX cmt & circ. C/O. Test: 17 BO/ 52 BW/ 8 MCFG.

7/91 Tstd csg to 500 psi. OK. Perf 3834-42, 3820-26, 3810-14 and 3772-3800. ACDZ w/ 4000 gals.

5/92 High FL. Upsize production equipment. B/4 - 2 BO/ 12 BW/ 2 MCFPD. A - 50 BO/ 90 BW/ 45 MCFPD.

1/95 ACDZ perfs w/ 3000 gals 15% acid w/ Unichem techni-stim system (anti-sludge).

3/97 Perf 3758-3762, 3744-3748, 3732-3738 w/ 3 JSPF @ 120 deg. ACDZ w/ 4000 gal Resisol II+ and 2600# Trimix salt. B/4 - 9 BO/ 79 BW. A - 37 BO/ 229 BW.

Overlying: Eumont Y-SR-Q Gas Pool

Underlying: No productive pools

Zone Tops:

T/Rustler	1140
T/Salt	1235
B/Salt	2375
T/Yates	2530
T/7 Rivers	2710
T/Queen	3195
T/Penrose	3321
T/Grayburg (Zone 1)	3562
Zone 2	3610
Zone 3	3725
Zone 4	3773
Zone 5	3835

FILE: Wbs851.XLS

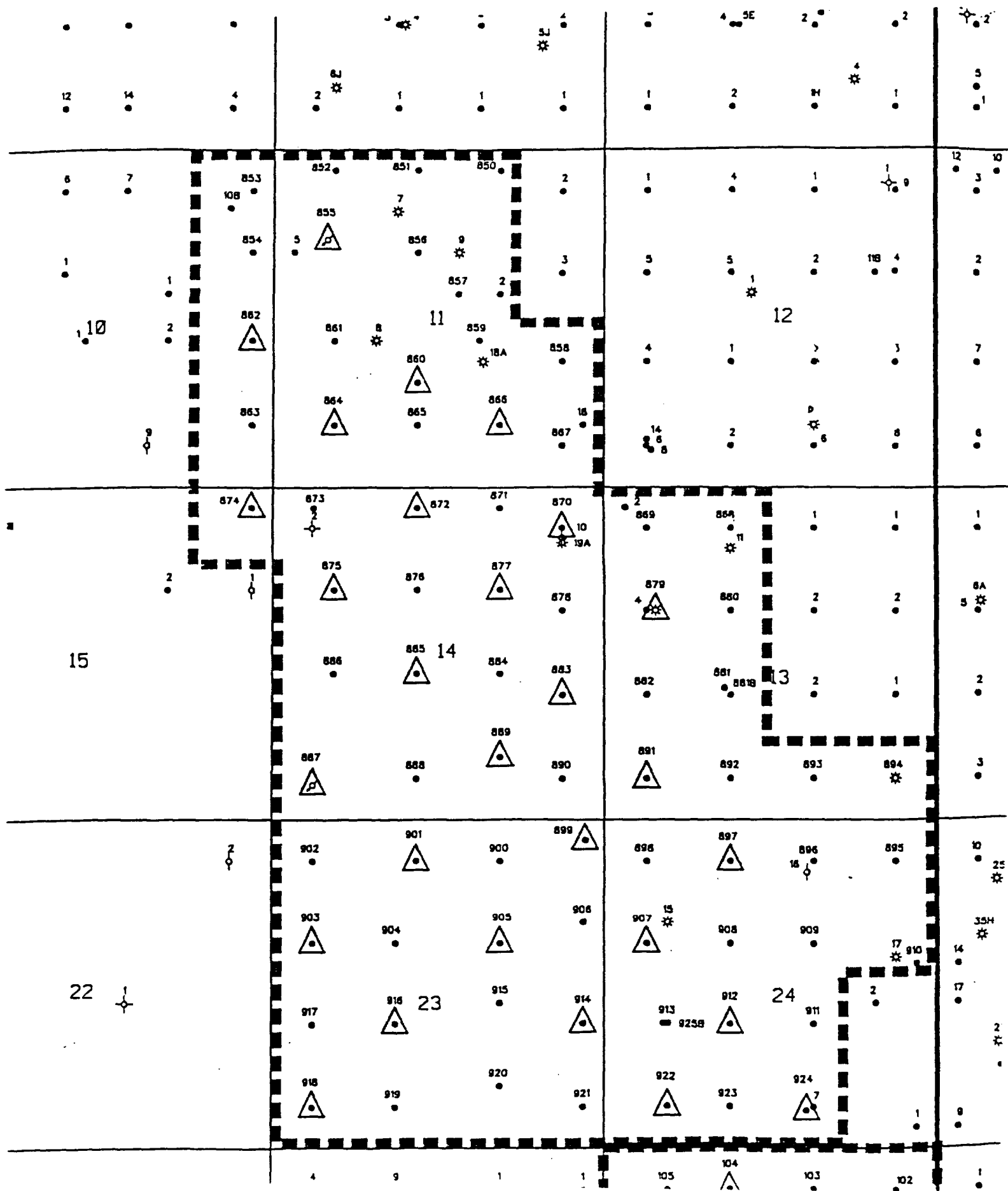
UPDATED: DKT 3/29/99

**EMSUB #851
API: 30-025-04221
Eunice Monument Grayburg / San Andres
Lea County, New Mexico**

Procedure to Convert to Injection

1. MIRU PU. POH w/ rods. NU BOP. Tag bottom & check for fill. TOH w/ tbg.
2. If fill is above 3880+/-, TIH w/ WS & 4-3/4" bit. CO to 3880+/- TOH.
3. If PBTD is below 3893+/-, plug-back w/ 20/40 sand to 3880+/-.
4. Notify NMOCD 24 hrs prior to running inj equipment into hole.
5. TIH w/ 7" nickel-plated/plastic-coated Baker Loc-Set pkr w/ 1.81" profile, XL On-Off Tool, & 2-3/8" IPC tbg. Use stabbing guide to run IPC tbg.
6. Set inj pkr @ 3710+/-.
7. ND BOP. NU inj WH. Perform OCD MIT. RD PU.
8. Clean and clear location.

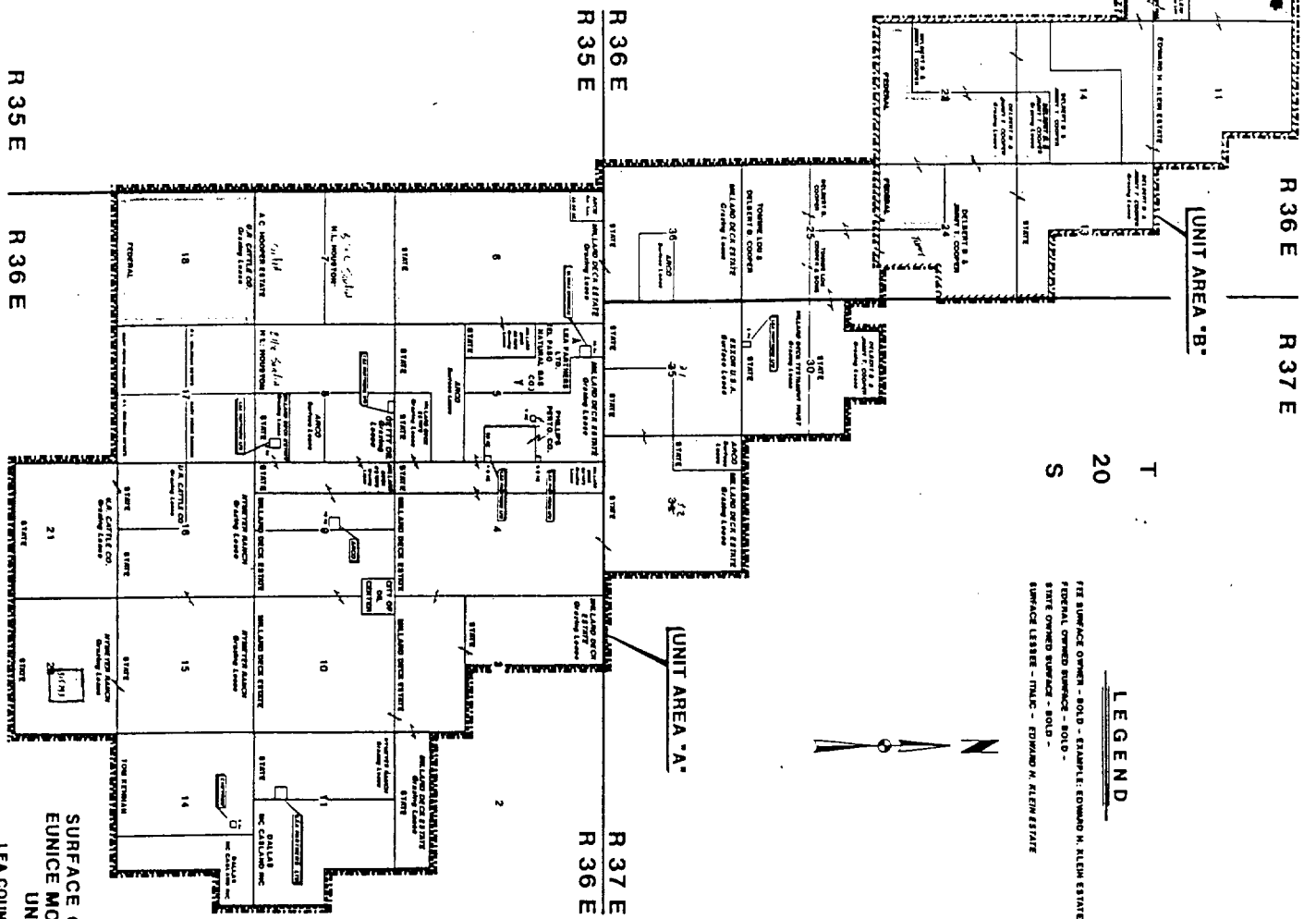
Sean Buehler 687-7288



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30-025-04218

FA53630:01

Well Data Sheet

Lease & Wellno EMSU B # 850 Field / Pool Enriva Monument Date _____
 Location 330 Feet From N Line and 1650 Feet From E Line
 Section 11-T20S, R36E-Unit B County Lea, NM Operator Chesron

DF# 3585
 KDB to GE _____
 DF to GE _____

15 1/2" OD 70 # Csg.
 set @ 250' w/ 350 sx.
 Cmt Circ.? 116
 TOC @ _____ by _____

BAD CSG 107'-486'. Perf
4 holes @ 695' Circ. 200
Sx to surface. Sqz 107'-
130' w/ 25 SX. Tst to 500psi.

10 3/4" OD 45 # 8 Thd
 Gr. _____ Csg.
 set @ 2332' w/ 750 sx.
 Cmt Circ.? NO
 TOC @ 937' by Calc

Date Completed 12/1/35
 Initial Formation Grunburg
 From: 3779 to 3894 GOR _____
 Initial: Production 389 BOPD 0 BWPD _____
 Or: Injection _____ BWPD @ _____ psig
 Completion Data: _____

12/35 - Natural OH. TD @ 3894'

Subsequent Workover or Reconditioning:

7/36 - Az OH w/ 2000 gal HCL. (NO RECORDS IN
FILES EXCEPT FOR NOTE ON PREVIOUS HISTORY.)

6/59 - Ream hole with 6 1/8" bitf/3864-3894 TD. Ran
162' 15" T-55 liner to 3894'. Top of liner at 3732'.
Cmt w/ 55 SX. Perf 3848'-3860' w/ 48 1/2" JA. Mud
Az perfs w/ 500 gal. Swab TZ bbls. 33.70 vty dil & 15 BW.
TST: B-780/5 BW/119 MCF. A-192 BD/0.83/116 MCF.

6/76 - Az w/ 2000 gal 15% HCL. TST: 4580/43 BW/39 MCF.
(NO RECORDS IN FILES EXCEPT FOR NOTE ON
PREVIOUS HISTORY.)

6/84 - Perf 3840'-46' w/ 2 JSPF. Az perfs 3840'-60'
w/ 2000 gal 15% HCL & 110 gal scale inhibitor.
PBTD @ 3878'. TST: B-1080/14 BW/5 MCF. A-1180/34 BW/9 MCF.

9/91 - Isolate csg lk f/107'-486'. Perf 7" csg @ 695'
sqz perf w/ 200 SX. Cmt to surface @ 180 SX. Unable to sqz
and amt away at 750 PSI. Circ 20 SX to surface. Isolate
7" csg lk from 107' to 130'. mix 25 SX. Spot cmt
f/154 up to 43' (111' of cmt). Made 6 visitsations
w/ very slight leak off on final sqz. Tag cmt @ 56.
Drh cmt to 148'. Fell through. Clean sand to 3700'.
Perf liner 3756'-146', 3774'-48', 3780'-82. Selectively
Az perfs 3774'-3782' w/ 1880 gal (?) 3756'-66 w/ 2460 gal (?)
Swab total 380/3.5 BW. TST: B-186/30 BW/1 MCF.
A-22 BD/119 BW/95 MCF.

7/94 - Joint perfs 3774' to 3782' w/ 3000 gal 15%
SN @ 3814'.

1/97 - Mill Out 5" Liner. Perf 3848-60, 3840-3846,
3780-3782, 3756-3766 w/ 1 JSPF. Perf 3766-3678, 3738-3746,
3664-3684, 3644-3664, 3633-3644 w/ 4 JSPF
Adz w/ 2466's Resisol II & 2466's Resisol II +
& 4000 # Trimix salt. Casing collapsed ~ 1650. Milled Out
Ran Scab Liner from 1550-1814

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 Gas _____ mcfpd

PBD 3894 PLK BACK 12/1/35
 OH TD 3894

30-025-04222

FA53670:01OK LAM 6-20-46

W.P. BYRD #2

Well Data Sheet

Lease & Well No. EMSUB #852 Field / Pool Eunice Monument Date 1
 Location 330 Feet From N Line and 990 Feet From W Line
 Section 11-T20S, R36E, - Unit D County Lea, NM Operator Chesman

GE 3598
 KDB to GE _____
 DF to GE _____

15 1/2 OD 70 # Csg.
 set @ 271 w/ 250 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

10 3/4 OD 45 # Thd
 Gr. _____ Csg.
 set @ 1161 w/ 500 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

Date Completed 9/13/36
 Initial Formation _____
 From: 3783 to 3916 GOR _____
 Initial: Production 396 BOPD 0 BWPD
 Or: Injection _____ BWPD @ _____ psig
 Completion Data: _____

9/36 - Any OH w/ 3000 gpl acid.

Subsequent Workover or Reconditioning:

9/55 - Set hydramite plug @ 3860'-3915'
 (NO RECORD OF THIS WORK (IL) W/ - OBTAINED ON PREVIOUS HISTORY)
11/59 - Clo to 3860'. Ran 5" liner f/3738'-3860' Cmt
 w/ 45 sx. Perf liner f/3842'-48' w/ 4 SPF. Wash parts w/ 500
 gpl mud acid. Subb 38 bbls. 32 Guts oil / 6 Bbl form. wtr.
 TST: B-1180/5 BW/62 MCF. A-3680/8 BW/17 MCF.
3/60 - Sized top of liner to reduce GOR
6/64 - Perf 3833'-42' w/ 2 JSF. A- perfs w/ 2500 gpl 15%.
 SN @ 3789'. TST: B-680/114 BW/14 MCF. A-380/95 BW/4 MCF.
5/69 - TEMPORARILY ABAUDON. Set top of CIBP @
 3813' (WL MEASUREMENT). Left 2" B tag Sub in well
 head w/ collars on inch end. Capped thg w/ Valve.
6/91 - D/O CIBP. Tag top of junk at 3822'. Milled
 on junk. Rec 7 half moon metal pieces, 1 ball & hydramite
 in W.P. Drill hydramite & formation to 4000' new TD.
 Perf 3804'-3838 w/ 2 JSF. A-2 perfs & OH w/ 1500 gpl
 15% NEFF. Subb tot 180/10 BW. wait hr subb
 1/2 bbl w/ 15% oil. SN @ 3940'. TST: OBP/69 BW/4 MCF.
2/97 - Mill out 5" liner. Ream hole from 3763-4000.
 w/ 6 1/8" bit, perf 3773-3796 w/ 2 JSF & 3752-3781,
 3681-3716 w/ 4 JSF Spt RBP @ 3735 & 7 ft 2 in
 B-1280 538 BW A-

3681-3716
3752-617 OD 24 # Thd
 Gr. _____ Csg.
 set @ 3783 w/ 300 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

OH TD ~ 4000

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 Gas _____ mcfpd

30-025-04198
FA 53430.01

Well Data Sheet

Lease & Wellno EMSU-B #853 Field / Pool Eunice Monument Date 10/5/94
Location 660 Feet From North Line and 330 Feet From East Line
Section 10, T20S, R30E, Unit A County Lea Operator Chevron

-GE 3600
KDB to GE _____
DF to GE _____

10 3/4 OD _____ # Csg.
set @ 285 w/ 225 sx.
Cmt Circ.? yes
TOC @ _____ by _____

7 5/8 OD 26.4 # _____ Thd
Gr. _____ Csg.
set @ 1236 w/ 426 sx.
Cmt Circ.? yes
TOC @ surf by calc.

139 jts. 2 7/8", 6.5"
J-55, EUE, 8rd tbg.

= 3748 - 59' (38 holes)

5 1/2 OD 17 # _____ Thd
Gr. _____ Csg.
set @ 3778 w/ 425 sx.
Cmt Circ.? yes
TOC @ surf by calc.

4132'

Date Completed 12/29/36
Initial Formation Grayburg
From: 3778 to 3900 GOR _____
Initial: Production 102 BOPD _____ BWPD _____
Or: Injection _____ BWPD _____ @ _____ psig
Completion Data: _____

Natural completion

Subsequent Workover or Reconditioning:

2/58 - Acidz w/ 2000 gal 15% NEA
B: 62 BO/97 BW/1330 MCFPD
A: 93 BO/113 BW/1478 MCFPD
12/65 - Well dead. Placed on rod-pump.
3/82 - Perf 3748-59' w/ 2 JHPF. String-shot
OH 3805-95' Acidz OH w/ 1226 gal 15%
15% NE HCL. Acidz perf's w/ 2775 gal 15%
15% NEFe HCL. c/o to TD @ 3900'
3/84 - Spotted 166 15% NEA 3713'-56' Perf
3749-59' (20 holes). Set pkc @ 3710' and
acidz w/ 12 bbls 15% NEFe HCL. Swabbed
+ RTP. A- 080/168 BW in 24 hrs
7/91 - Deepen from 3900'-4150'. Acidz 3778'-4150'
OH w/ 1000 gal 15% NEFE

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
Gas _____ mcfpd

Lease & Wellno EMSU "B" 854 Field / Pool Eumont Queen Date 7/29/96
 Location 1650 Feet From North Line and 330 Feet From East Line
 Section 10, T20S, R36E, Unit H County EA, New Mexico Operator CHEVRON

GE 3588
 KDB to GE _____
 DF to GE 10

Date Completed 8-4-37
 Initial Formation Grayburg
 From: 3784 to 3928 GOR 1232
 Initial: Production 142 BOPD BWPD _____
 Or: Injection _____ BWPD @ _____ psig
 Completion Data: _____

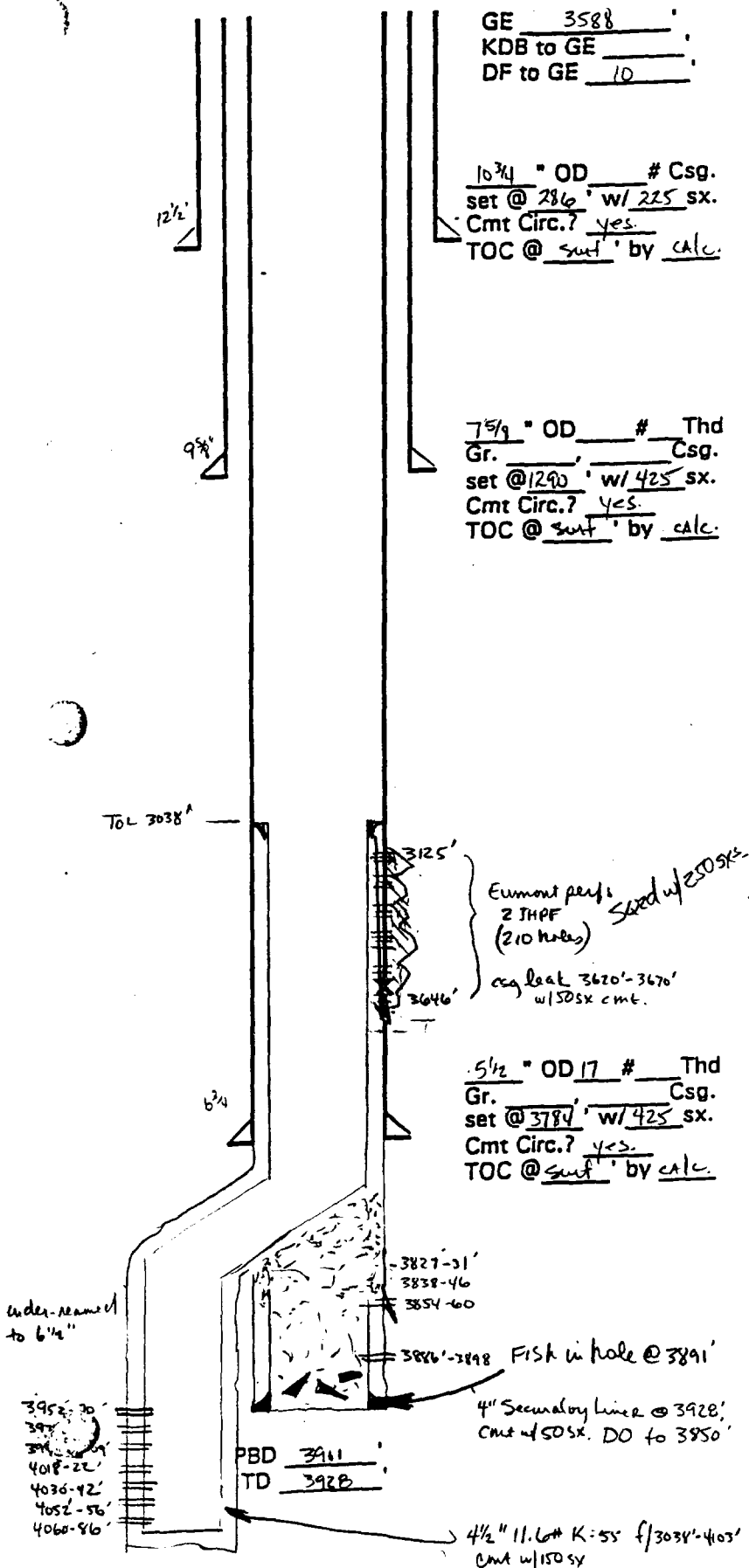
10 3/4 " OD # Csg.
 set @ 286 w/ 225 sx.
 Cmt Circ.? yes
 TOC @ surf by calc.

Subsequent Workover or Reconditioning:

6-39 Acidz DH 3784'-3905' w/ 2000 gals. A/w 288 Bbl/432 BW
 B/4 24 Bbl/31 BW
 3-47 PB to 3900'. Ann w/ 1000 gals. A/w 44 Bbl/151 BW GOR 3738
 B/4: 22 Bbl/116 BW GOR 8030
 3-48 DO to 3928'. Run 4" secondary liner f/ 3746'-3928'
 Cement w/ 150 sx. Perf 3846-3898' Acidz w/ 500 gals.
 A/w 62 Bbl/62 BW GOR 352 B/4 29 Bbl/15 BW
 10-57 Set plug @ 3700'. Perf Eumont 3125'-3646' (210 holes)
 Throat plug w/ 25000 gals sand/lac. Perf'd the
 below plug @ 3835-37 + @ 3710' Ann'd w/ Eumont.
 2-60 Pulled plug. Ran GEN Perf. Liner 3827-31,
 3838-46, 3854-60 w/ 4 spf. Acidz w/ 5000 gals.
 Random drill Equip. A/w 21 Bbl, 70 BW, 7100 net gpd
 (Plu @ 3700') B/4 SI
 11-66 SI due to high water cut.
 3-72 Set thru plug @ 3672' + TA'd E-M. Perf'd the
 3576' + retrieved Eumont Gas to pump up the
 4-90 MIBU. Set CIP @ 3649' w/ 15x end on top. Set
 plug @ 3600'. Acidz Eumont w/ 3000' gals 15%
 H₂SO₄. A/w 4 Bbl/24 BW/168 net gpd
 12-90 SQZ Eumont perf 3125'-3646' w/ 250 sx. SQZ
 casing leak 3626'-3670' w/ 150 sx. (plug to PBD)
 @ 3901'.
 2-93 Spot 150 sx plug in liner. Tag cmt @ 2747'. DOC
 and liner to 3850'. Set 75 sx cmt plug. DO to 3628'.
 KO sidetrack and drill to 4103'. Run 4 1/2" 11.6"
 K-55 f/ 3038'-4103'. Cmt w/ 150 sx. DO to 4095.
 Perf 3952-70, 3974-81, 3994-4009, 4018-22, 4030-42,
 4052-56, 4060-86. Selectively acidz perf
 w/ 1490 gals. TOP. A/w 24 Bbl/78 BW B/4 SI

7 5/8 " OD # Thd
 Gr. _____ Csg.
 set @ 1290 w/ 425 sx.
 Cmt Circ.? yes
 TOC @ surf by calc.

5 1/2 " OD 17 # Thd
 Gr. _____ Csg.
 set @ 3784 w/ 425 sx.
 Cmt Circ.? yes
 TOC @ surf by calc.



PBD 4095
 TD 4103

Well Data Sheet

Lease & Wellno EMSU B 855x Field / Pool Eunice Monument GB/SA Date 8/5/96
Location 870 Feet From West Line and 1450 Feet From North Line
Section 11, T20S, R36E Unit E County LEA, New Mexico Operator CHEVRON

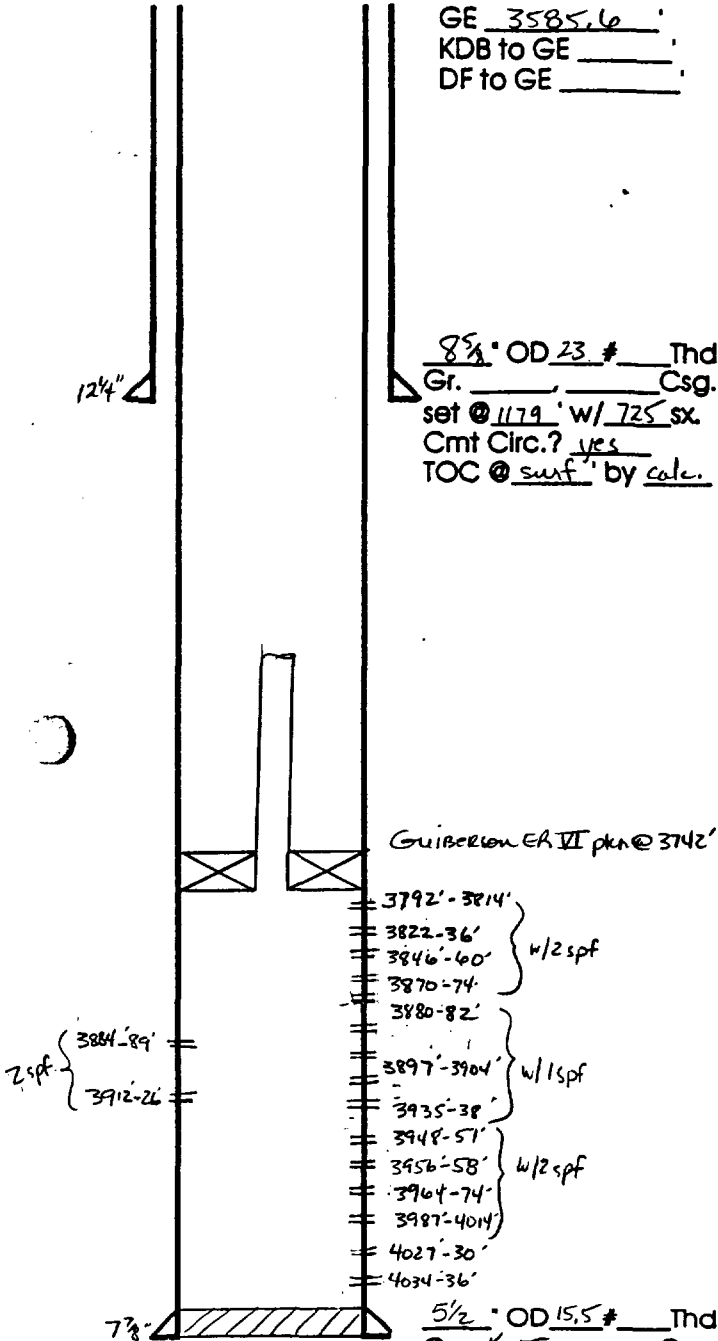
GE 3585.6
KDB to GE _____
DF to GE _____

Date Completed 3-91
Initial Formation Grauberg
From: 3792 to 4036 GOR _____
Initial: Production _____ BOPD _____ BWPD _____
Or: Injection 500 BWPD @ 0 psig
Completion Data:

Perf 4027-36 w/ 2 spf. Acidz w/ 1000 gals 15% H₂O₂
Perf 3948-4014 w/ 2 spf Acidz w/ 3500 gals 15% H₂O₂
Perf 3880-3938 w/ 1 spf Acidz w/ 1000 gals 15% H₂O₂
Perf 3792-3926 w/ 2 spf Acidz w/ 7500 gals 15% H₂O₂
Swab. R114 w/ Guiberson ER VI PC pkw on 2 7/8" IPC
tubing. Set pk @ 3742'. PWID: 500 BWPD @ 0 psi.

8 5/8" OD 23. # Thd
Gr. _____ Csg.
set @ 1179' w/ 725 sx.
Cmt Circ.? yes
TOC @ surf by calc.

Subsequent Workover or Reconditioning:



5 1/2" OD 15.5 # Thd
Gr. K-55 Csg.
set @ 4050' w/ 800 sx.
Cmt Circ.? yes
TOC @ surf by calc.

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
Gas _____ mcfpd

PBD 4045
TD 4050

Well Data Sheet

30-025-31080
KV 85860:01

Lease & Well No EMSUB # 855 Field / Pool Eunica Monument Date _____
 Location 870 Feet From W Line and 1450 Feet From N Line
 Section 11-T20S, R36E-Unit E County Lea, NM Operator Chaven

GE 3585.6 '
 KDB to GE _____ '
 DF to GE _____ '

Date Completed 3/16/91
 Initial Formation Grayburg
 From: 3792 ' to 3938 ' GOR _____
 Initial: Production _____ BOPD _____ BWPD _____
 Or: Injection 500 BWPD on VAC
 Completion Data: _____

8 5/8 " OD 23 # _____ Thd
 Gr. _____ Csg.
 set @ 1179 ' w/ 725 sx.
 Cmt Circ.? Yes
 TOC @ _____ by _____

3/91 - Took 8 cores f/3680' to 4050'. Perf 4027'-30'E
 4034'-36'. Spot 50 gal 15% across perfs. Az w/950 gal 15%. Final
 sub 20% oil/80% wtr. Perf 3948'-51', 3956'-58', 3964'-74',
 3987'-4014' w/2JHPF. Az 3948'-74' w/1500 gal 15%. Perfs f/3987'-4014'
 communicated up to perfs @ 3974'. Pump ID bbl CFK w/45 bbls. Az
 3987'-4014' w/3500 gal 15%. Final sub 2% oil/98% w/Trace BS. Perf
 3935'-38', 3997'-3904', 3880'-82' w/1JHPF. Az/Sock/Respot 3880'-82' couldn't
 break down perfs. Az 3997'-3938' w/tot 1000 gal 15%. Final sub 99% wtr,
 1% BS. Perf 3912'-26', 3884'-89', 3870'-74', 3846'-60', 3822'-36', 3792'-3814' w/2JHPF.
 Spot 2 bbl Az f/3792'-3926' Az w/110500 gal 15%. Sub FFI 57% oil, 96% wtr, 19% BS.
 SWAB - SWAB - 13.5L 20% oil/80% wtr. Set pk @ 3742. Repair surface leaks.

Subsequent Workover or Reconditioning:

3/97 - 592 perfs from 3792 - 3814
 Acidize w/ 3000 gal Reso/II -

* 3792'-3814' }
 3822'-36' } w/2JHPF
 3846'-60' }
 3870'-74' }
 3880'-82' }
 3897'-3904' } w/1JHPF
 3935'-38' }
 3948'-51' }
 3956'-58' } w/2JHPF
 3964'-74' }
 3987'-4014' }
 4027'-30'
 4034'-36'

5 1/2 " OD 15.5 # _____ Thd
 Gr. K-55 Csg.
 set @ 4050 ' w/ 860 sx.
 Cmt Circ.? Yes
 TOC @ _____ by _____

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 Gas _____ mcfpd

4036 (well log measurement)
 PBD 4045 '
 TD 4050 '

* Drilled as replacement well for Byrd Gas Com #5
 not tendered to unit due to cement production

Well Data Sheet

30-025-04224
FA 53690:01

Lease & Wellno EMSUB #856 Field / Pool Eunice Monument Date 12/5/94
 Location 1650 Feet From N Line and 2310 Feet From W Line
 Section 11 - T20S, R36E - Unit F County Lea, NM Operator Chesman

GE 3585
 KDB to GE _____
 DF to GE _____

Date Completed 4/21/37
 Initial Formation _____
 From: 3776 ' to 3901 ' GOR _____
 Initial: Production 401 BOPD _____ BWPD _____
 Or: Injection _____ BWPD _____ @ _____ psig
 Completion Data: _____

12 1/2 " OD 40 # Csg.
 set @ 218 ' w/ 300 sx.
 Cmt Circ.? _____
 TOC @ _____ ' by _____

4/37 - Completed OH.

9 5/8 " OD 40 # Thd
 Gr. _____ Csg.
 set @ _____ ' w/ 300 sx.
 Cmt Circ.? _____
 TOC @ _____ ' by _____

Subsequent Workover or Reconditioning:
3/40 - Set EXNER DOOSE PKR @ 3850 to reduce
high GOR. Subb-flowed short timer Subb 18 BO.
5/4 - Arr 3776-3901 w/ 500 gal 15%.
6/13 - SI For failure to flow
12/14 - Equip to pump TST: 23 BO/15 BW/31 MCF.
10/19 - Pulled OH PKR
5/91 - Chemical Squeeze
6/91 - C/O to 3901. log w/DLL, msFL, LDT, CNL, CCL, GR.

7 " OD 24 # Thd
 Gr. _____ Csg.
 set @ 3776 ' w/ _____ sx.
 Cmt Circ.? _____
 TOC @ _____ ' by _____

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 Gas _____ mcfpd

Formerly: Mary J. Byrd #3

30-025-04220
FA 53650:01

Well Data Sheet

Lease & Wellno EMSU "B" #857 Field / Pool EUNICE MONUMENT GB/SA Date _____
Location 2310 Feet From NORTH Line and 2310 Feet From EAST Line
Section 11, T20S, R36E Unit 6 County LEA, New Mexico Operator CHVRON

GE 3571
KDB to GE _____
DF to GE _____

Date Completed 6/24/62
Initial Formation Grauberg
From: 3882 to 3892 GOR _____
Initial: Production 72 BOPD 26 BWPD
Or: Injection _____ BWPD @ _____ psig

Completion Data:

Perf 3882'-92' w/2spf. Sunb dm. MAW perfs
w/ 500cpis. Acidz w/1000cpis. 15% Sunb 24 BNO +
25 BFW. Perf 3842'-54' w/2spf. Sunb total
1st BNO/15 BNO/29 BFW. Set RBP @ 3870'

7 7/8" OD 26 # Thd
Gr. I-55 Csg.
set @ 308' w/ 125 sx.
Cmt Circ.? Yes
TOC @ _____ by _____

Csg leaks 460'-91' +
736'-68'. Ssz w/219 sx

Subsequent Workover or Reconditioning:

11-62, Acidz perfs 3842'-54' w/500cpis acid. Test
B - 080/08w/0mcf A - 7080/58w/71mcf.
5-91 Chem Ssz.
10-91 Isolate csg leaks 0-6', 460'-91', 736'-68'.
Ssz w/219 sx. Replace top 5' of 4 1/2 csg.
TOC @ 310'. Perf 3806'-24', 3830'-33', 3859'-66',
3875'-82' w/2spf. Acidz w/1000cpis 15% Sunb
Test 2880/25 Bw/15 mcf
10-92 Dump Acid job
5-94 Wash perfs 3806'-3892' w/perf clean tool
3000 gal 20% KCl, 1000 gal toluene/isopropyl
alcohol 3000gal 15% R/H w/PE. Test
B - 25 B0/46 Bw/2 mcf
12-95 Pickle thg w/500cpis 15% HCl. Acidz perfs
3806'-3892' w/4000cpis. Acid. R/H w/prod.
thg. TOP
10/96 - Perf 3792'-3797', 3778'-3784', 3738'-3747',
3694'-3699', 3628'-3632', 3598'-3606' w/4 JSPE'
Brkdwn perfs w/ 866/s 15% NEFE each
Acidz w/5000gal 15% Resisol II & 3750# Trimix salt
B - 480 128 Bw A - 480 129 Bw

3591-3606
3628-37
3694-99
3738-47
3778-84
3792-97
3806-24'
3830-33'
3842-54
3859-66'
3875-82'
3882-92'

6 3/4"

4 1/2" OD 9.5 # Thd
Gr. I-55 Csg.
set @ 4000' w/ 250 sx.
Cmt Circ.? NO
TOC @ 2280' by TS

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
Gas _____ mcfpd

PBD 3953
TD 4000

Well Data Sheet

30-025-12723
FG71970:01

Lease & Wellno EMSUB # 861 Field / Pool Enrue Monument Date 1/19/95
 Location 2310 Feet From S Line and 990 Feet From W Line
 Section 11; T20S, R36E; U4 L County Lea, NM Operator Churion

GE 3589
 KDB to GE _____
 DF to GE 12

12 1/2 • OD 45 # Csg.
 set @ 249 w/ 300 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

9 5/8 • OD 40 # Thd
 Gr. _____ Csg.
 set @ 1204 w/ 400 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

Date Completed 7/31/37
 Initial Formation _____
 From: 3776 to 3894 GOR _____
 Initial: Production _____ BOPD _____ BWPD _____
 Or: Injection _____ BWPD @ _____ psig
 Completion Data: _____

7/37 - DST 3751-3790 f/7 min - 350' oil/100' mud / ? MCF
 DST 3773-3805 f/15 min - 600 oil/100' mud/180 MCF

Subsequent Workover or Reconditioning:

9/59 - Ran 5" 11.5# SS liner f/3707' to 3894'.
 Cmt w/50 sx. TOC @ 3721' Perf f/3848-3860 w/4
 spf. Mud Az Wash perf. w/500 gal. TST: 5800/80 BW.
1/67 - Equip to pump. TST: 5800/80 BW.
5/91 - DPN/PERF/AZ: TH 400 @ 3890-4075'.
 Perf 3734-46, 3754-60, 3768-82, 3796-3820, 3834-60
 w/2 JHPF Az. w/1700 gal 15% Swab FC 20% oil/
 80% water / trace % BS. TST: 880/100 BW/8 MCF

5" 11.5# SS liner
 TOL @ 3707'
 BOL @ 3894'
 Cmt w/50 sx

7 • OD 24 # Thd
 Gr. _____ Csg.
 set @ 3776 w/ 300 sx.
 Cmt Circ.? _____
 TOC @ _____ by _____

3734'-3860' w/ZJHPF
 3848'-3860' w/4SPF

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 Gas _____ mcfpd

30-025-04205
FA 53500:01

Well Data Sheet

Lease & Well No EMSUB # 862 wic Field / Pool Eunice Monument Date 11/30/94
Location 2320 Feet From S Line and 330 Feet From E Line
Section 10-T20S, R30E - Unit I County Lea, NM Operator Churron

GE 3584
KDB to GE _____
DF to GE _____

Date Completed 9/22/37
Initial Formation Grayburg
From: 3772 to 3891 GOR _____
Initial: Production 216 BOPD 0 BWPD 224 MCF
Or: Injection _____ BWPD @ _____ psig
Completion Data: _____

10 3/4 " OD _____ # Csg.
set @ 268 w/ 225 sx.
Cmt Circ.? _____
TOC @ _____ by _____

9/37 - Completed OH.

7 5/8 " OD 264 # Thd
Gr. _____ Csg.
set @ 1263 w/ 425 sx.
Cmt Circ.? _____
TOC @ _____ by _____

Subsequent Workover or Reconditioning:

7/43 - Az w/ 500 gal. TST: 3480/28W.
8/43 - Az w/ 2000 gal. 20% F/3830' - 85' w/ 6" ODU
del f/3885' - 91'. TST: 8-080/0BW. A-14680/45 BW.
2/47 - Reamed hole to btm & perf 3815' - 30, 3835' -
47', 3860' - 65'. PB w/ plastic f/TO to 3855'. Az w/ 1000
gal. TST: 8-3380/25 BW/394 MCF. A-4080/16W/57 MCF.
1/58 - Instl pmp equip. TST: 8-680/108W. A-1880/43 BW/215 MCF.
10/62 - String shot pmp & az.
9/67 - Treat well w/ 500 gal Red Sol E, 250 gal Oxydol,
500 gal 15% NE. TST: 380/58W. A-480/48W/7 MCF.
2/89 - C/O to PBTD @ 3865'. Perf 3775' - 80', 3787' - 97,
3815' - 24', 3837' - 47' w/ ZJSPF. Az w/ 80 bbl 5% HCl
Swab 36 BW. Chemically Inhibit w/ 2 drums. SN @ 3803'
TST: 280/38W/38 MCF.
3/91 - Tag btm @ 3840', C/O fill & plastic plug f/3840-
3868'. Pmp 8sx cluster shut @ 220 BW. D/O plastic plug,
metal & scale f/ 3888' - 3891'. SN @ 3807'.
3/91 - C/O f/3883' - 3891'. Orh form f/3891' - 4405'. Swab
CH f/4180' - 4405', rec 31 3/4 bbl 98% wtr, 2% BS. C/O W
Swab 1/2 bbl 99% wtr, 1% BS. Set 30sx as balanced plug
f/4180' - 4405'. Orh cmt f/3950' - 3954'. Fall thru. Tag btm @ 3900'.
Pmp 30sx cmt slurry for bal. plug. Tag @ 3981'. D/O cmt
3981' - 3991' fall thru. Orh cmt 4150' - 4180' under beam f/
3782' - 4180'. Run 4 1/2" 11.6# K-55 liner. TOL @ 3446' BTL @ 4180'.
Cmt w/ 75 sx. Tst liner top @ 500 psi f/30 min. Lost 50 psi. D/O cmt
f/4080' - 4175'. Perf 3846' - 57, 3864' - 72, 3885' - 88, 3910' - 16,
3934' - 38, 3946' - 48, 3962' - 70, 3976' - 82, 3990' - 4000,
4020' - 34, 4040' - 44, 4048' - 60, 4077' - 88, 4096' - 4108,
4120' - 32, 4144' - 52, 4156' - 60 w/ 12 JHPF. Az w/ 14300
gal 15%. Swab 24 BW, 5 bbl - 60% wtr / 94% wtr.
TST: 080/83 BW/10 MCF.
12/93 - CONVERT TO INJECTION. Inj. pcr @ 3743' (G.L.)
Inj. interval 3846' - 4145'.

5 1/2 " OD 17 # Thd
Gr. _____ Csg.
set @ 3772 w/ 425 sx.
Cmt Circ.? _____
TOC @ _____ by _____

4 1/2 " liner cmt w/ 75sx
TOL @ 3446 BTL @ 4180'

3775' to 3805' (see narrative for breakdown)

3846' - 4166' w/ ZJHPF

SEE PERF DETAILS
IN HISTORY

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
Gas _____ mcfpd

PBD 4175
TD 4405

MS

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

nmg-SA
1815

GVT ID: 30025041560000 State: NEW MEXICO County: LEA
UWI: 30025041560000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 1 Lease: STATE J
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 660FSL 1980FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSAD27 Lat: 32.59666 Long: -103.32240

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3591ES Rig Ht: Rig Release:
Drlr Depth: 3921 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 12/07/1934 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 01/26/1935 Last Update: 01/01/1996 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
12 1/2 IN	220 FT	150 SACK
9 5/8 IN	2378 FT	500 SACK
7 IN	3789 FT	200 SACK

*** Initial Potential Test ***

IPF: Oil: 2304.00 BPD Gas: 1390.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 360.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3815FT - 3921FT				

---Oil Gravity---

Oil Gravity: Gas/Oil Ratio: 603.000000 CF/BB
Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3807.00 FT

Well Report

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*** Production Test ***

PTF: Oil: 159.00 BBL Gas: 5300.00 MCFD Water:
 Water Cut(%): Choke Size: Test Duration: 1020.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3789FT - 3921FT				

*** Production Test ***

PTF: Oil: 12.00 BBL Gas: Water:
 Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3815FT - 3921FT				

*** Production Test ***

PTF: Oil: 96.00 BBL Gas: 1390.00 MCFD Water:
 Water Cut(%): Choke Size: Test Duration: 360.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3815FT - 3921FT				

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3815FT - 3921FT
 Vol or Weight: 47.6 BBL Trtmnt Fluid: ACID

---Oil Gravity ---

Oil Gravity: Gas/Oil Ratio: 603.000000 CF/BB

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----		Elev Used	-----Base-----		Unit
		MD	TVD		MD	TVD	
SPL	ANHYDRIT	982		2609	ES		
SPL	SALT				ES	2300	1291 FT
SPL	BROWN LM	2415		1176	ES		

Well Report

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*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
- 3705FT		GAS	
- 3810FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041580000 State: NEW MEXICO County: LEA
UWI: 30025041580000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 3 Lease: STATE J
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Monument
1511

Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 1980FSL 1980FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.60030 Long: -103.32666

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3612ES Rig Ht: Rig Release:
Drlr Depth: 3930 FT TVD: Form @ TD: YT-SR-QN
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 03/14/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 04/13/1936 Last Update: 01/01/1999 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
13 IN	162 FT	150 SACK
8 5/8 IN	2346 FT	500 SACK
7 IN	3810 FT	100 SACK

*** Initial Potential Test ***

IPF: Oil: 600.00 BPD Gas: 463.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 1.00 HR

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3810FT	-	3930FT		

Field/Pool Name: MONUMENT GRAYB-SAD

Top Pay: 3818.00 FT

*** Formation Tops/Bases ***

Well Report

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*** Formation Tops/Bases ***

Srce	Formation	-----Top-----		Elev Used	-----Base-----		Unit
		MD	TVD		MD	TVD	
DLR	ANHYDRIT	1040		2572	ES		
DLR	SALT			ES	2310		1302 FT
DLR	BROWN LM	2420		1192	ES		

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
		NEUTRON	

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3390FT - 3420FT		OIL/ASPHALT/HYDROC	
3468FT - 3542FT		OIL/ASPHALT/HYDROC	
2935FT - 2985FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Well Report

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*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041580001	State: NEW MEXICO	County: LEA
UWI: 30025041580001		
Oper: AMERADA HESS CORP		Oper Code: W001105
Well: 3	Lease: STATE J	
Province: PERMIAN BASIN		Prov Code: 430
Field: EUMONT		Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS		

Meridian: NEW MEXICO	Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:	
Footages: 1980FSL 1980FWL CONGRESSIONAL TWP-RGE-SEC/FULL	
Source: TSNAD27 Lat: 32.60030 Long: -103.32666	

Contr:	Tools:	Rig Nbr:
Oper Elev: 3612ES	Rig Ht:	Rig Release:
Drlr Depth: 3930 FT	TVD:	Form @ TD: YT-SR-QN
Log TD:	PB Depth:	Form Age @ TD: PERMIAN GU
Old TD: 3930 FT	Proj Depth:	Proj Form:

Spud Date: 01/01/1801	Date Well Added: 08/01/1973	Abnd Date:
Comp Date: 01/01/1801	Last Update: 01/01/1999	TD Reached:
Final Status: O&G-WO	Pool:	
Initial Well Class: DEVELOPMENT RECOMPLETION		
Final Well Class: DEVELOPMENT WELL-OIL		

*** Casing/Liner/Tubing ***

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

nmc.54
1814

GVT ID: 30025041600000 State: NEW MEXICO County: LEA
UWI: 30025041600000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 1 Lease: STATE S
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 660FSL 1980FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59667 Long: -103.32666

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3604ES Rig Ht: Rig Release:
Drlr Depth: 3915 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 04/26/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 05/28/1936 Last Update: 07/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
12 1/2 IN	239 FT	150 SACK
8 5/8 IN	2572 FT	500 SACK
6 5/8 IN	3811 FT	100 SACK

*** Initial Potential Test ***

IPF: Oil: 1272.00 BPD Gas: 949.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3811FT	-	3915FT		

Field/Pool Name: MONUMENT GRAYB-SAD

Top Pay: 3811.00 FT

*** Formation Tops/Bases ***

Well Report

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*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
DLR	ANHYDRIT	1045		2559	ES				
DLR	SALT				ES	2314		1290	FT
DLR	BROWN LM	2620		984	ES				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
2693FT - 2730FT		OIL/ASPHALT/HYDROC	
2790FT - 2840FT		OIL/ASPHALT/HYDROC	
3330FT - 3393FT		OIL/ASPHALT/HYDROC	
3393FT - 3469FT		OIL/ASPHALT/HYDROC	
3477FT - 3546FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

nm6 5/1
1816

GVT ID: 30025041630000 State: NEW MEXICO County: LEA
UWI: 30025041630000
Oper: GULF OIL Oper Code: W012705
Well: 1 Lease: GRAHAM-STATE B
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 660FSL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSAD27 Lat: 32.59665 Long: -103.31811

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3579DF Rig Ht: Rig Release:
Drlr Depth: 3903 FT TVD: Form @ TD: SN ANDRS
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 09/22/1935 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 11/22/1935 Last Update: 12/01/1995 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL
Prod Formation: GRBG-SAD

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
13 IN	255 FT	250 SACK
9 5/8 IN	2353 FT	800 SACK
7 IN	3697 FT	125 SACK

*** Initial Potential Test ***

IPF: Oil: 4344.00 BPD Gas: 2500.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 1440.00 MIN

Producing Producing Type
Formation: Thru: of Perfs Perf Shots: Interval Tested

GRBG-SAD OPENHOLE 3697FT - 3903FT

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3697FT	-	3903FT		

Well Report

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*** Initial Potential Test ***

Field/Pool Name: MONUMENT GRAYB-SAD

Top Pay: 3785.00 FT

*** Production Test ***

PTF: Oil: 162.00 BBL Gas: 2000.00 MCFD Water:
 Water Cut(%): Choke Size: Test Duration: 60.00 MIN

Producing Producing Type
 Formation: Thru: of Perfs Perf Shots: Interval Tested

GRBG-SAD OPENHOLE 3697FT - 3903FT

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3697FT - 3903FT				

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
DLR	ANHYDRIT	905		2674	DF				
DLR	SALT				DF	2285		1294	FT
DLR	BROWN LM	2580		999	DF				
DLR	WHITE LM	3665		-86	DF				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log Log Type of
 Run Date: Interval Mechanical Log: Logging Company:
 ELECTRICAL SURVEY

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
- 1847FT		AIR	
3380FT - 3400FT		OIL/ASPHALT/HYDROC	

Well Report

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*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3857FT - 3903FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
GRAHAM-STATE B	GYPSY OIL CO	1

Well Report

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*** Well Header ***
 (PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041630001 State: NEW MEXICO County: LEA
 UWI: 30025041630001
 Oper: GULF OIL Oper Code: W012705
 Well: 1 Lease: GRAHAM STATE (NCT-B)
 Province: PERMIAN BASIN Prov Code: 430
 Field: EUNICE-MONUMENT Field Code: W030030231
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
 Meridian: NEW MEXICO Meridian Code: 21
 Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
 Footages: 660FSL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
 Source: TSNAD27 Lat: 32.59665 Long: -103.31811
 Oper Elev: 3579DF Rig Ht: Rig Release:
 Drlr Depth: 3903 FT TVD: Form @ TD: SN ANDRS
 Log TD: PB Depth: 3800 FT Form Age @ TD: PERMIAN GU
 Old TD: 3903 FT Proj Depth: 3800 FT Proj Form: GRBG-SAD
 Spud Date: 04/01/1981 Date Well Added: 11/01/1983 Abnd Date:
 Comp Date: 04/07/1981 Last Update: 12/01/1995 TD Reached:
 Final Status: OIL-WO Pool:
 Initial Well Class: DEVELOPMENT RECOMPLETION
 Final Well Class: DEVELOPMENT WELL-OIL
 Prod Formation: GRBG-SAD

*** Casing/Liner/Tubing ***

(Tubing)

Size	Combination	Depth
2 7/8 IN	N	3771 FT

*** Initial Potential Test ***

IPP: Oil: 9.00	BPD	Gas:	Water: 69.00	BBL
Water Cut(%):		Choke Size:	Test Duration: 1440.00	MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
GRBG-SAD	OPEN			3697FT - 3800FT

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3697FT - 3800FT	OPEN			

Well Report

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*** Initial Potential Test ***

---Oil Gravity ---

Oil Gravity:

Gas/Oil Ratio: 2000.000000

CF/BB

Field/Pool Name: EUNICE-MONUMENT GRAYB-SAD

Top Pay: 3697.00 FT

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

Wing 5A
1809

GVT ID: 30025041640000 State: NEW MEXICO County: LEA
UWI: 30025041640000
Oper: GULF OIL Oper Code: W012705
Well: 2 Lease: GRAHAM-STATE B
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 1980FSL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.60028 Long: -103.31809

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3583ES Rig Ht: Rig Release:
Drlr Depth: 3915 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 01/11/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 02/28/1936 Last Update: 07/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
13 IN	311 FT	300 SACK
9 5/8 IN	1065 FT	350 SACK
7 IN	3724 FT	525 SACK

*** Initial Potential Test ***

IPF: Oil: 3432.00 BPD Gas: 1500.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3724FT	-	3915FT		

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3785.00 FT

*** Production Test ***

PTF: Oil: 3.00 BBL Gas: Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

Well Report

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*** Production Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3724FT - 3915FT				

*** Production Test ***

PTF: Oil: 190.00 BBL Gas: 2500.00 MCFD Water:
 Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3724FT - 3915FT				

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3724FT - 3915FT
 Vol or Weight: 47.6 BBL Trtmnt Fluid: ACID

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----		Elev Used	-----Base-----		Unit
		MD	TVD		MD	TVD	
DLR	ANHYDRIT	970		2613	ES		
DLR	SALT	1078		2505	ES	2280	1303 FT
DLR	BROWN LM	2400		1183	ES		

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3119FT - 3124FT		OIL/ASPHALT/HYDROC	
3421FT - 3428FT		OIL/ASPHALT/HYDROC	

Well Report

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*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
GRAHAM-STATE B	GYPSY OIL CO	2

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041700000 State: NEW MEXICO County: LEA
UWI: 30025041700000
Oper: TURNER, FRED JR EST Oper Code: W090289
Well: 1 Lease: STATE A
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

nmg SA
1812

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 2310FSL 990FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.60122 Long: -103.32987

Contr: Tools: COMB-TL Rig Nbr:
Oper Elev: 3604ES Rig Ht: Rig Release:
Drlr Depth: 3898 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 04/14/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 06/26/1936 Last Update: 07/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
13 IN	255 FT	200 SACK
9 5/8 IN	1210 FT	500 SACK
7 IN	3790 FT	200 SACK

*** Initial Potential Test ***

IPF: Oil: 1392.00 BPD Gas: 1000.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3790FT - 3898FT				

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3788.00 FT

*** Production Test ***

PTF: Oil: 540.00 BBL Gas: Water:
Water Cut(%): Choke Size: Test Duration: 540.00 MIN

Well Report

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*** Production Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3790FT - 3847FT				

*** Production Test ***

PTF: Oil: 744.00 BBL Gas: Water:
 Water Cut(%): Choke Size: Test Duration: 720.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3790FT - 3898FT				

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
DLR	ANHYDRIT	1095		2509	ES				
DLR	SALT				ES	2353		1251	FT
DLR	BROWN LM	2470		1134	ES				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
- 3801FT		GAS	
3814FT - 3847FT		OIL/ASPHALT/HYDROC	
3850FT - 3898FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

Well Report

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*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
STATE A	TURNER, FRED, JR.	1

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041570001 State: NEW MEXICO County: LEA
UWI: 30025041570001
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 10 Lease: NORTH MONUMENT (GBSA) UNIT BLOCK 18
Lease Nbr: Lease Type: OTHER Permit:
Province: PERMIAN BASIN Prov Code: 430
Field: EUNICE-MONUMENT Field Code: W030030231
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
Footages: 1980FSL 1980FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.60029 Long: -103.32238
Oper Elev: 3600ES Rig Ht: Rig Release:
Drlr Depth: 3900 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU
Old TD: 3900 FT Proj Depth: 3900 FT Proj Form: GRBG-SAD
Spud Date: 02/06/1998 Date Well Added: 06/01/1998 Abnd Date:
Comp Date: 02/17/1998 Last Update: 06/01/1998 TD Reached:
Final Status: OIL-WO Pool:
Initial Well Class: DEVELOPMENT RECOMPLETION
Final Well Class: DEVELOPMENT WELL-OIL
Prod Formation: GRBG-SAD
Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

*** Initial Potential Test ***

IPP: Oil: 15.00 BPD Gas: 3.00 MCFD Water: 266.00 BBL
Water Cut(%): Choke Size: Test Duration: 1440.00 MIN

Producing Producing Type
Formation: Thru: of Perfs Perf Shots: Interval Tested

GRBG-SAD PERFORATED 3740FT - 3900FT

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3740FT - 3772FT	OPEN	3784FT - 3900FT		OPEN

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3740FT - 3900FT
Vol or Weight: 107.1 BBL Trtmnt Fluid: ACID

Well Report

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*** Initial Potential Test ***

---Oil Gravity ---

Oil Gravity: Gas/Oil Ratio: 200.000000 CF/BB
Narrative: 17.5% NEFE TREATMENT CO: AMERICAN FRACMASTER

Field/Pool Name: EUNICE-MONUMENT GRBG-SAD Top Pay: 3740.00 FT

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
STATE J	AMERADA HESS	2

Well Report

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*** Well Header ***
 (PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041610001 State: NEW MEXICO County: LEA
 UWI: 30025041610001
 Oper: AMERADA HESS CORP Oper Code: W001105
 Well: WI-13 Lease: NORTH MONUMENT (GBSA) UNIT BLK 18
 Lease Nbr: Lease Type: OTHER Permit:
 Province: PERMIAN BASIN Prov Code: 430
 Field: EUNICE-MONUMENT Field Code: W030030231
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
 Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
 Footages: 660FSL 660FWL CONGRESSIONAL TWP-RGE-SEC/FULL
 Source: TSNAD27 Lat: 32.59669 Long: -103.33095

Contr: Tools: ROTARY Rig Nbr:
 Oper Elev: 3605ES Rig Ht: Rig Release:
 Drlr Depth: 4010 FT TVD: Form @ TD: GRBG-SAD
 Log TD: PB Depth: Form Age @ TD: PERMIAN GU
 Old TD: 3920 FT Proj Depth: 4010 FT Proj Form: GRBG-SAD
 Spud Date: 03/23/1998 Date Well Added: 06/01/1998 Abnd Date:
 Comp Date: 04/07/1998 Last Update: 06/01/1998 TD Reached:
 Final Status: W-INJW Pool:
 Initial Well Class: INJECTION-WATER DEEPENING
 Final Well Class: INJECTION-WATER
 Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

*** Production Test ***

PTU:
 Producing Producing Type
 Formation: Thru: of Perfs Perf Shots: Interval Tested
 GRBG-SAD OPEN 3756FT - 4010FT

--- Detail Perforations ---

----- Depth -----		----- Depth -----			
Top	Base	Status	Top	Base	Status
O	3756FT - 4010FT	OPEN			

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3756FT - 4010FT
 Vol or Weight: 181.4 BBL Trtmnt Fluid: ACID

Well Report

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*** Production Test ***

---Oil Gravity ---

Narrative: 15% HCL TREATMENT CO: AMERICAN FRACMASTER

Field/Pool Name: EUNICE-MONUMENT GRBG-SAD

Top Pay:

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
	3208 - 4010	NEUTRON	SCHLUMBERGER WELL SU
	3208 - 4010	CASING COLLAR	SCHLUMBERGER WELL SU
	3208 - 4010	ACOUSTIC VELOCITY CO	SCHLUMBERGER WELL SU

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
STATE S	AMERADA HESS CORP	2

Well Report

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*** Well Header ***
 (PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025252160000 State: NEW MEXICO County: LEA
 UWI: 30025252160000
 Oper: AMERADA HESS CORP Oper Code: W001105
 Well: 4 Lease: STATE /J/ GAS COM
 Province: PERMIAN BASIN Prov Code: 430
 Field: EUMONT Field Code: W030030185
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
 Meridian: NEW MEXICO Meridian Code: 21
 Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
 Footages: 1980FS 2081FW CONGRESSIONAL TWP-RGE-SEC/FULL
 Source: TSNAD27 Lat: 32.60030 Long: -103.32633

Contr: CACTUS Tools: ROTARY Rig Nbr:
 Oper Elev: 3598KB Rig Ht: Rig Release:
 Drlr Depth: 3500 FT TVD: Form @ TD: QUEEN
 Log TD: PB Depth: 3475 FT Form Age @ TD: PERMIAN GU
 Old TD: Proj Depth: 3700 FT Proj Form: QUEEN

Spud Date: 01/12/1976 Date Well Added: 10/01/1976 Abnd Date:
 Comp Date: 03/19/1976 Last Update: 07/01/1989 TD Reached:
 Final Status: GAS Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-GAS
 Prod Formation: QUEEN

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	383 FT	350 SACK
4 1/2 IN	3499 FT	1150 SACK

*** Initial Potential Test ***

IPF: Oil: Gas: 1050.00 MCFD Water:
 Water Cut(%): Choke Size: 16/64 CK Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
----------------------	-----------------	---------------	-------------	-----------------

QUEEN	PERFORATED		W/ 1.0 FT	3348FT - 3467FT
-------	------------	--	-----------	-----------------

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3348FT - 3348FT	OPEN	3357FT - 3357FT		OPEN

Well Report

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*** Initial Potential Test ***

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P 3361FT	- 3361FT	OPEN	3363FT	- 3363FT	OPEN
P 3368FT	- 3368FT	OPEN	3371FT	- 3371FT	OPEN
P 3373FT	- 3373FT	OPEN	3375FT	- 3375FT	OPEN
P 3377FT	- 3377FT	OPEN	3384FT	- 3384FT	OPEN
P 3386FT	- 3386FT	OPEN	3395FT	- 3395FT	OPEN
P 3398FT	- 3398FT	OPEN	3401FT	- 3401FT	OPEN
P 3404FT	- 3404FT	OPEN	3407FT	- 3407FT	OPEN
P 3413FT	- 3413FT	OPEN	3415FT	- 3415FT	OPEN
P 3422FT	- 3422FT	OPEN	3424FT	- 3424FT	OPEN
P 3427FT	- 3427FT	OPEN	3429FT	- 3429FT	OPEN
P 3449FT	- 3449FT	OPEN	3451FT	- 3451FT	OPEN
P 3465FT	- 3465FT	OPEN	3467FT	- 3467FT	OPEN

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3348FT - 3467FT
 Vol or Weight: 95.2 BBL Trtmnt Fluid: ACID

Flow Tubing Pressure: 210.00 PSIG Shut-in Tubing Press:

Field/Pool Name: EUMONT QUEEN Top Pay: 3348.00 FT

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----		Elev	-----Base-----		Unit
		MD	TVD		MD	TVD	
LOG	SALT	1140		2458	KB	2303	1295 FT
LOG	YATES	2438		1160	KB		
LOG	SEVN RVR	2694		904	KB		
LOG	QUEEN	3215		383	KB		

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log Log Type of
 Run Date: Interval Mechanical Log: Logging Company:

NEUTRON COMPENSATED

Well Report

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*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
------------------	-----------------	----------------------------	------------------

DENSITY COMPENSATED
INDUCTION-DUAL-LATER
CALIPER

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025325330000 State: NEW MEXICO County: LEA
UWI: 30025325330000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 6 Lease: STATE "J" GAS COM
Lease Nbr: Lease Type: STATE Permit:
Province: PERMIAN BASIN Prov Code: 430
Field: EUMONT Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot: SW SW
Footages: 990FSL 990FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59759 Long: -103.32987
Loc Narr: 4 MI SW MONUMENT, NM

Contr: TMBR SHARP DRLG Tools: ROTARY Rig Nbr: 3
Oper Elev: 3592KB Rig Ht: 14.00FT Rig Release:
Drlr Depth: 3596 FT TVD: Form @ TD: QUEEN
Log TD: PB Depth: Form Age @ TD: PERMIAN GU
Old TD: Proj Depth: 3600 FT Proj Form: YT-SR-QN
Spud Date: 06/21/1994 Date Well Added: 09/01/1994 Abnd Date:
Comp Date: 08/08/1994 Last Update: 10/01/1994 TD Reached:
Final Status: GAS Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-GAS
Prod Formation: YT-SR-QN
Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	416 FT	150 SACK
5 1/2 IN	3596 FT	950 SACK

*** Initial Potential Test ***

IPF: Oil: Gas: 1382.00 MCFD Water:
Water Cut(%): Choke Size: 99/64 CK Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
YT-SR-QN	PERFORATED		W/ 216.0IT	3376FT - 3564FT

--- Detail Perforations ---

----- Depth -----		Status	----- Depth -----		Status
Top	Base		Top	Base	

P	3376FT - 3381FT	OPEN	3391FT - 3411FT	OPEN
P	3425FT - 3443FT	OPEN	3448FT - 3458FT	OPEN
P	3471FT - 3475FT	OPEN	3521FT - 3540FT	OPEN
P	3549FT - 3564FT	OPEN		

--- Treatment ---

Type of Trtmnt: ACIDIZE	Interval: 3376FT - 3564FT
Vol or Weight: 95.2 BBL	Trtmnt Fluid: ACID
Remarks: 15% DI NEFE	
Type of Trtmnt: ACIDIZE	Interval: 3376FT - 3564FT
Vol or Weight: 123.8 BBL	Trtmnt Fluid: ACID
Remarks: 15% DI NEFE	
Type of Trtmnt: SDWTRFRAC, M	Interval: 3376FT - 3564FT
Vol or Weight: 1845.2 BBL	Trtmnt Fluid: WATER
Amt of Prop Agnt: 403000.0 LB	Prop Agnt: SAND FBRKP:
Avg Rate of Inj:	Type ADDTV: GELLING AGEN Nbr of Stgs:
Remarks: 99288 GALS CO2	

Flow Casing Pressure: 50.00 PSIG Shut-in Casing Press:

---Oil Gravity ---

Narrative: RE-ACID

Field/Pool Name: EUMONT YT-SR-QN Top Pay: 3376.00 FT

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
LOG	RUSTLER	1110		2482	KB				
LOG	SALT	1210		2382	KB				
LOG	YATES	2343		1249	KB				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log	Log	Type of	
Run Date:	Interval	Mechanical Log:	Logging Company:
		LATERO LOG-DUAL	
		ACOUSTIC DENSITY	
		MICROLATERAL-SPHERIC	
		GAMMA RAY	
		CALIPER	

Well Report

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*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
------------------	-----------------	----------------------------	------------------

DENSITY COMPENSATED-
NEUTRON COMPENSATED
ACOUSTIC VELOCITY
CEMENT BOND
CASING COLLAR

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Well Report

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*** Well Header ***
 (PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025329600000 State: NEW MEXICO County: LEA
 UWI: 30025329600000
 Oper: AMERADA HESS CORP Oper Code: W001105
 Well: 8 Lease: STATE 'J' GAS COM
 Lease Nbr: Lease Type: STATE Permit:
 Province: PERMIAN BASIN Prov Code: 430
 Field: EUMONT Field Code: W030030185
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
 Twp: 20.0S Rng: 36.0E Sec: 2.0 Spot:
 Footages: 990FSL 2193FEL CONGRESSIONAL TWP-RGE-SEC/FULL
 Source: TSNAD27 Lat: 32.59757 Long: -103.32306
 Loc Narr: 4 MI SW MONUMENT, NM

Contr: NABORS LOFFLAND Tools: ROTARY Rig Nbr: 348
 Oper Elev: 3587GR Rig Ht: Rig Release:
 Drlr Depth: 3560 FT TVD: Form @ TD: QUEEN
 Log TD: PB Depth: 3552 FT Form Age @ TD: PERMIAN GU
 Old TD: Proj Depth: 3600 FT Proj Form: YT-SR-QN

Spud Date: 06/23/1995 Date Well Added: 11/01/1995 Abnd Date:
 Comp Date: 09/14/1995 Last Update: 07/01/1996 TD Reached:
 Final Status: GAS Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-GAS
 Prod Formation: QUEEN
 Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	412 FT	150 SACK
5 1/2 IN	3560 FT	1000 SACK

(Tubing)

Size	Combination	Depth
2 3/8 IN	N	3305 FT

*** Initial Potential Test ***

IPF: Oil:	Gas: 900.00 MCFD	Water:
Water Cut(%):	Choke Size: 99/64 CK	Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
QUEEN	PERFORATED		W/ 174.0IT	3334FT - 3474FT

*** Initial Potential Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3334FT - 3398FT	OPEN	3452FT - 3474FT		OPEN

--- Treatment ---

Type of Trtmnt: ACIDIZE	Interval: 3334FT - 3474FT
Vol or Weight: 102.3 BBL	Trtmnt Fluid: ACID
Remarks: 15% NEFE	
Type of Trtmnt: SDWTRFRAC, M	Interval: 3334FT - 3474FT
Vol or Weight: 4011.9 BBL	Trtmnt Fluid: WATER
Amt of Prop Agnt: 376000.0 LB	Prop Agnt: SAND FBRKP:
Avg Rate of Inj:	Type ADDTV: GELLING AGEN Nbr of Stgs:

Flow Tubing Pressure: 30.00	PSIG	Shut-in Tubing Press:
Flow Casing Pressure: 30.00	PSIG	Shut-in Casing Press:

---Oil Gravity ---

Narrative: GAS GTY NOT RPTD

Field/Pool Name: EUMONT YT-SR-QN

Top Pay: 3334.00 FT

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
LOG	RUSTLER	1001		2586	GR				
LOG	SALT	1135		2452	GR				
LOG	YATES	2319		1268	GR				
LOG	SEVN RVR	2936		651	GR				
LOG	QUEEN	3204		383	GR				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log	Log	Type of	
Run Date:	Interval	Mechanical Log:	Logging Company:

CEMENT BOND

Well Report

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*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
------------------	-----------------	----------------------------	------------------

GAMMA RAY
CASING COLLAR
NEUTRON COMPENSATED
ACOUSTIC VELOCITY

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042100000 State: NEW MEXICO County: LEA
UWI: 30025042100000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 2 Lease: ANDREWS
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 660FNL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59302 Long: -103.31812

Contr: Tools: Rig Nbr:
Drlr Depth: 3895 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU
Spud Date: 12/14/1934 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 01/20/1935 Last Update: 01/01/1996 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
13 IN	184 FT	150 SACK
9 5/8 IN	2343 FT	500 SACK
7 IN	3760 FT	100 SACK

*** Initial Potential Test ***

IPF: Oil: 1416.00 BPD Gas: 1800.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 780.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3805FT - 3895FT				

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3805FT - 3895FT
Vol or Weight: 47.6 BBL Trtmnt Fluid: ACID

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3797.00 FT

*** Production Test ***

PTF: Oil: Gas: 650.00 MCFD Water:

--- Detail Perforations ---

----- Depth -----	----- Depth -----
Top Base Status	Top Base Status
0 3760FT - 3895FT	

*** Production Test ***

PTF: Oil: 5.00 BBL Gas: Water:
 Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----	----- Depth -----
Top Base Status	Top Base Status
0 3805FT - 3895FT	

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----	Elev	-----Base-----	Unit
		MD TVD Subsea	Used	MD TVD Subsea	
DLR	ANHYDRIT	970			
DLR	SALT			2268	FT
DLR	BROWN LM	2610			

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
- 3165FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

Well Report

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*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042110000 State: NEW MEXICO County: LEA
UWI: 30025042110000
Oper: AMERADA HESS CORP Oper Code: W001105
Well: 3 Lease: ANDREWS
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 1980FNL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.58939 Long: -103.31814

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3571GR Rig Ht: Rig Release:

Drlr Depth: 3890 FT TVD: Form @ TD:

Spud Date: 09/24/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 10/29/1936 Last Update: 03/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
12 1/2 IN	200 FT	200 SACK
8 5/8 IN	2355 FT	500 SACK
6 5/8 IN	3803 FT	100 SACK

*** Initial Potential Test ***

IPF: Oil: 360.00 BPD Gas: 628.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3803FT - 3890FT				

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3803.00 FT

*** Formation Tops/Bases ***

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*** Formation Tops/Bases ***

Srce	Formation	-----Top-----		Elev Used	-----Base-----			Unit
		MD	TVD		MD	TVD	Subsea	
DLR	ANHYDRIT	970		2601	GR			
DLR	SALT				GR	2275	1296	FT
DLR	WHITE LM	2610		961	GR			

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3877FT - 3890FT		OIL/ASPHALT/HYDROC	
3829FT - 3848FT		OIL/ASPHALT/HYDROC	
3827FT - 3836FT		OIL/ASPHALT/HYDROC	
3842FT - 3848FT		OIL/ASPHALT/HYDROC	
3879FT - 3881FT		OIL/ASPHALT/HYDROC	
3886FT - 3888FT		OIL/ASPHALT/HYDROC	
3726FT - 3736FT		GAS	
3647FT - 3672FT		GAS	
3802FT - 3809FT		GAS	
3808FT - 3812FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042190000 State: NEW MEXICO County: LEA
UWI: 30025042190000
Oper: SINCLAIR O&G Oper Code: W079705
Well: 2 Lease: MJ BYRD
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 1650FNL 1650FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.58850 Long: -103.32136

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3577ES Rig Ht: Rig Release:

Drlr Depth: 3896 FT TVD: Form @ TD: GRBG-SAD
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 09/15/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 10/22/1936 Last Update: 07/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
12 1/2 IN	211 FT	250 SACK
9 5/8 IN	1454 FT	500 SACK
7 IN	3798 FT	300 SACK

*** Initial Potential Test ***

IPF: Oil: 1116.00 BPD Gas: 1065.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 240.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3798FT	-	3896FT		

--- Treatment ---

Type of Trtmnt: ACIDIZE Interval: 3798FT - 3896FT
Vol or Weight: 47.6 BBL Trtmnt Fluid: ACID

Well Report

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*** Initial Potential Test ***

---Oil Gravity ---

Oil Gravity: Gas/Oil Ratio: 960.000000 CF/BB

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3845.00 FT

*** Production Test ***

PTS: Oil: 137.00 BBL Gas: Water:
 Water Cut(%): Choke Size: Test Duration: 1440.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3798FT - 3896FT				

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
DLR	ANHYDRIT	980		2597	ES				
DLR	SALT				ES	2302		1275	FT
DLR	BROWN LM	2420		1157	ES				
DLR	YATES	2520		1057	ES				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log Log Type of
 Run Date: Interval Mechanical Log: Logging Company:

NEUTRON

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3103FT - 3135FT		OIL/ASPHALT/HYDROC	
3353FT - 3381FT		OIL/ASPHALT/HYDROC	
3660FT - 3690FT		OIL/ASPHALT/HYDROC	

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*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3845FT - 3895FT		OIL/ASPHALT/HYDROC	
3875FT - 3896FT		OIL/ASPHALT/HYDROC	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
MJ BYRD	REPOLLO OIL CO	2

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042250000 State: NEW MEXICO County: LEA
UWI: 30025042250000
Oper: SINCLAIR O&G Oper Code: W079705
Well: 5 Lease: WP BYRD
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 1650FNL 330FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNA27 Lat: 32.59034 Long: -103.33204

Contr: Tools: Rig Nbr:
Oper Elev: 3594GR Rig Ht: Rig Release:

Drlr Depth: 3900 FT TVD: Form @ TD:

Spud Date: 05/01/1939 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 06/06/1939 Last Update: 03/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
12 1/2 IN	222 FT	30 SACK
9 5/8 IN	1236 FT	400 SACK
7 IN	3779 FT	

*** Initial Potential Test ***

IPF: Oil: 694.00 BPD Gas: Water:
Water Cut(%): Choke Size: 48/64 CK Test Duration: 720.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3779FT	-	3900FT		

Field/Pool Name: MONUMENT GRAYB-SAD Top Pay: 3800.00 FT

*** Formation Tops/Bases ***

*** Fault Data ***

Well Report

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*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
3514FT - 3549FT		GAS	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
WP BYRD	SINCLAIR OIL & GAS C 5	

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042250001 State: NEW MEXICO County: LEA
UWI: 30025042250001
Oper: ATLANTIC RICHFIELD Oper Code: W002905
Well: 5 Lease: BYRD
Province: PERMIAN BASIN Prov Code: 430
Field: EUMONT Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 1650FNL 330FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59034 Long: -103.33204
Oper Elev: 3594GR Rig Ht: Rig Release:

Drlr Depth: 3900 FT TVD: Form @ TD:
Log TD: PB Depth: 3730 FT Form Age @ TD:
Old TD: 3900 FT Proj Depth: 3730 FT Proj Form:

Spud Date: 08/22/1973 Date Well Added: 09/01/1974 Abnd Date:
Comp Date: 09/25/1973 Last Update: 03/01/1994 TD Reached:
Final Status: GAS-WO Pool:
Initial Well Class: DEVELOPMENT RECOMPLETION
Final Well Class: DEVELOPMENT WELL-GAS
Prod Formation: QUEEN

*** Casing/Liner/Tubing ***

*** Initial Potential Test ***

IPF: Oil: Gas: 900.00 MCFD Water:
Water Cut(%): Choke Size: 32/64 CK Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
QUEEN	PERFORATED			3065FT - 3548FT

--- Detail Perforations ---

----- Depth -----		Status	----- Depth -----		Status
Top	Base		Top	Base	
P	3065FT - 3548FT	OPEN			

--- Treatment ---

Type of Trtmnt: ACIDIZE		Interval: 3065FT - 3548FT
Vol or Weight: 47.6 BBL		Trtmnt Fluid: ACID
Type of Trtmnt: SDWTRFRAC, M		Interval: 3065FT - 3548FT
Vol or Weight: 428.5 BBL		Trtmnt Fluid: WATER
Amt of Prop Agnt: 27500.0 LB		Prop Agnt: SAND FBRKP:

Well Report

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*** Initial Potential Test ***

Flow Tubing Pressure: 165.00 PSIG Shut-in Tubing Press:

Field/Pool Name: EUMONT YS-7 RVR-QN

Top Pay: 3065.00 FT

*** Production Test ***

PTU:

Producing	Producing	Type		
Formation:	Thru:	of Perfs	Perf Shots:	Interval Tested

GRAYBURG	PERFORATED		3779FT	-	3900FT
----------	------------	--	--------	---	--------

--- Detail Perforations ---

----- Depth -----		Status	----- Depth -----		Status
Top	Base		Top	Base	
P	3779FT - 3900FT	CLOSED (SQUE			

Type Shut-Off	Top Depth	Base Depth	Plug Back:
PLUG	3779.00FT	- 3900.00FT	3730.00FT

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
MP BYRD	SINCLAIR OIL & GAS C 5	

Well Report

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*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025042260000 State: NEW MEXICO County: LEA
UWI: 30025042260000
Oper: ATLANTIC RICHFIELD Oper Code: W002905
Well: 7 Lease: BYRD GAS COM
Province: PERMIAN BASIN Prov Code: 430
Field: EUMONT Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
Footages: 990FNL 1980FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59214 Long: -103.32667

Contr: Tools: COMB-TL Rig Nbr:
Oper Elev: 3588ES Rig Ht: Rig Release:

Drlr Depth: 3650 FT TVD: Form @ TD:
Log TD: PB Depth: 3617 FT Form Age @ TD:

Spud Date: 02/17/1954 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 03/11/1954 Last Update: 05/01/1996 TD Reached:
Final Status: GAS Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-GAS

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	310 FT	200 SACK
5 1/2 IN	3650 FT	1050 SACK

*** Initial Potential Test ***

IPF: Oil: Gas: 4460.00 MCFD Water:

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3234FT	-	3582FT		

--- Treatment ---

Type of Trtmt: ACIDIZE Interval: 3234FT - 3582FT
Vol or Weight: 23.8 BBL Trtmt Fluid: ACID

Field/Pool Name: EUMONT Top Pay: 3234.00 FT

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PTS:

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
3234FT - 3242FT		OPEN	3356FT - 3398FT		OPEN
3386FT - 3390FT		OPEN	3396FT - 3404FT		OPEN
3416FT - 3424FT		OPEN	3454FT - 3464FT		OPEN
3480FT - 3500FT		OPEN	3510FT - 3515FT		OPEN
3520FT - 3528FT		OPEN	3536FT - 3546FT		OPEN
3560FT - 3566FT		OPEN	3574FT - 3582FT		OPEN

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
LOG	YATES	2475		1113	ES				
LOG	SEVN RVR	2728		860	ES				
LOG	QUEEN	3342		246	ES				

*** Core Description ***

DST Nbr:01	Type of Test:	Date:
Itrvl Tested: 3360-3450	Form/Zone CD:	
Mat To Surf:	GAS Time: 6.00 MIN	Rate: 35.00 MC/D

Final Open Time: 60.00MIN Init Flowing Press: 225.00 Final Flow:
Final Shut-in Time: 15.00MIN Final Shut-in Pressure: 1000.00
Top Choke: 064/64 Bottom Choke: 040/64
Recorder Depth(#1):

DST Nbr:02	Type of Test:	Date:
Itrvl Tested: 3518-3608	Form/Zone CD:	
Mat To Surf:	GAS Time: 3.00 MIN	Rate:

Final Open Time: 48.00MIN Init Flowing Press: 675.00 Final Flow: 700.00
Final Shut-in Time: 20.00MIN Final Shut-in Pressure: 1000.00
Top Choke: 064/64 Bottom Choke: 040/64
Recorder Depth(#1):

Well Report

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*** Log Surveys ***

Log Run Date:	Log Interval	Type of Mechanical Log:	Logging Company:
------------------	-----------------	----------------------------	------------------

NEUTRON

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Date: Remarks:

Previous Lease:	Previous Operator:	Previous Well Number:
WILLIAM P BYRD	SINCLAIR OIL & GAS C 7	

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025324410000 State: NEW MEXICO County: LEA
UWI: 30025324410000
Oper: ARCO O&G Oper Code: W002905
Well: 8 Lease: BYRD GAS COM
Lease Nbr: Lease Type: FEE Permit:
Province: PERMIAN BASIN Prov Code: 430
Field: EUMONT Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot: NE SW
Footages: 2310FSL 1650FWL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.58648 Long: -103.32777
Loc Narr: 4 MI SW MONUMENT, NM

Contr: TMBR SHARP DRLG Tools: ROTARY Rig Nbr:
Oper Elev: 3575GR Rig Ht: Rig Release:

Drlr Depth: 3700 FT TVD: Form @ TD: QUEEN
Log TD: PB Depth: 3653 FT Form Age @ TD: PERMIAN GU
Old TD: Proj Depth: 3700 FT Proj Form: YT-SR-QN

Spud Date: 03/28/1994 Date Well Added: 06/01/1994 Abnd Date:
Comp Date: 04/26/1994 Last Update: 08/01/1994 TD Reached:
Final Status: GAS Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-GAS
Prod Formation: QUEEN
Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	400 FT	350 SACK
5 1/2 IN	3700 FT	850 SACK

(Tubing)

Size	Combination	Depth
2 3/8 IN	N	3548 FT

*** Initial Potential Test ***

IPF: Oil:	Gas: 608.00	MCFD	Water:
Water Cut(%):	Choke Size:		Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
QUEEN	PERFORATED		W/ 40.0IT	3302FT - 3538FT

Well Report

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*** Initial Potential Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3302FT - 3538FT	OPEN			

--- Treatment ---

Type of Trtmnt: ACIDIZE	Interval: 3302FT - 3538FT
Vol or Weight: 95.2 BBL	Trtmnt Fluid: ACID
Type of Trtmnt: SANDCO2FRAC	Interval: 3302FT - 3538FT
Vol or Weight: 358000.0 LB	Trtmnt Fluid: WATER
Amt of Prop Agnt: 282480.0 LB	Prop Agnt: SAND FBRKP:

---Oil Gravity ---

Narrative: COMMINGLED CK: NOT RPTD FTP: NOT RPTD FCP: NOT RPTD

Field/Pool Name: EUMONT YT-SR-QN

Top Pay: 3302.00 FT

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
LOG	YATES	2584		991	GR				
LOG	SEVN RVR	2803		772	GR				
LOG	QUEEN	3298		277	GR				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log	Log	Type of	
Run Date:	Interval	Mechanical Log:	Logging Company:

NEUTRON COMPENSATED

*** Drilling Shows ***

*** Porosity Zone ***

Well Report

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*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Well Report

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*** Well Header ***
 (PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025328350000 State: NEW MEXICO County: LEA
 UWI: 30025328350000
 Oper: ARCO PERMIAN Oper Code: W002905
 Well: 9 Lease: BYRD GAS COM
 Lease Nbr: Lease Type: FEE Permit:
 Province: PERMIAN BASIN Prov Code: 430
 Field: EUMONT Field Code: W030030185
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO Meridian Code: 21
 Twp: 20.0S Rng: 36.0E Sec: 11.0 Spot:
 Footages: 1650FNL 2310FEL CONGRESSIONAL TWP-RGE-SEC/FULL
 Source: TSNAD27 Lat: 32.59031 Long: -103.32347
 Loc Narr: 4 MI SW MONUMENT, NM

Contr: CAPSTAR Tools: ROTARY Rig Nbr: 8
 Oper Elev: 3574GR Rig Ht: Rig Release:
 Drlr Depth: 3700 FT TVD: Form @ TD: QUEEN
 Log TD: PB Depth: 3620 FT Form Age @ TD: PERMIAN GU
 Old TD: Proj Depth: 3700 FT Proj Form: YT-SR-QN
 Spud Date: 02/10/1995 Date Well Added: 04/01/1995 Abnd Date:
 Comp Date: 03/10/1995 Last Update: 06/01/1995 TD Reached:
 Final Status: GAS Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-GAS
 Prod Formation: QUEEN
 Hole Direction: VERTICAL Tax Credit Type:

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
8 5/8 IN	415 FT	350 SACK
5 1/2 IN	3700 FT	850 SACK

(Tubing)

Size	Combination	Depth
2 3/8 IN	N	3540 FT

*** Initial Potential Test ***

IPF: Oil:	Gas: 770.00	MCFD	Water:
Water Cut(%):	Choke Size:		Test Duration: 1440.00 MIN

Producing Formation:	Producing Thru:	Type of Perfs	Perf Shots:	Interval Tested
QUEEN	PERFORATED		W/ 36.0IT	3363FT - 3540FT

Well Report

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*** Initial Potential Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
P	3363FT - 3540FT	OPEN			

--- Treatment ---

Type of Trtmnt: ACIDIZE	Interval: 3363FT - 3540FT
Vol or Weight: 85.7 BBL	Trtmnt Fluid: ACID
Remarks: 7 1/2%	
Type of Trtmnt: SANDCO2FRAC	Interval: 3363FT - 3540FT
Vol or Weight: 450000.0 LB	Trtmnt Fluid: UNKNOWN
Amt of Prop Agnt: 334120.0 LB	Prop Agnt: SAND FBRKP:

---Oil Gravity ---

Narrative: CK: NR FTP: NR FCP: NR

Field/Pool Name: EUMONT YT-SR-QN

Top Pay: 3363.00 FT

*** Formation Tops/Bases ***

Srce	Formation	-----Top-----			Elev Used	-----Base-----			Unit
		MD	TVD	Subsea		MD	TVD	Subsea	
LOG	RUSTLER	1150		2424	GR				
LOG	SALT	1520		2054	GR				
LOG	YATES	2519		1055	GR				
LOG	SEVN RVR	2733		841	GR				
LOG	QUEEN	3226		348	GR				

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

Log	Log	Type of	
Run Date:	Interval	Mechanical Log:	Logging Company:

NEUTRON COMPENSATED

*** Drilling Shows ***

Well Report

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*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Well Report

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*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041750000 State: NEW MEXICO County: LEA
UWI: 30025041750000
Oper: CONTINENTAL OIL Oper Code: W016705
Well: 3 Lease: REED A-3
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 3.0 Spot:
Footages: 1980FSL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.60032 Long: -103.33523

Contr: Tools: Rig Nbr:
Oper Elev: 3616ES Rig Ht: Rig Release:
Drlr Depth: 3930 FT TVD: Form @ TD: YT-SR-QN
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 07/19/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 08/24/1936 Last Update: 08/01/1995 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
10 3/4 IN	245 FT	200 SACK
7 5/8 IN	1235 FT	400 SACK
5 1/2 IN	3802 FT	425 SACK

*** Initial Potential Test ***

IPF: Oil: 768.00 BPD Gas: 1750.00 MCFD Water:
Water Cut(%): Choke Size: 48/64 CK Test Duration: 1440.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
O	3802FT	-	3930FT		

Field/Pool Name: MONUMENT GRAYB-SAD

Top Pay: 3805.00 FT

*** Formation Tops/Bases ***

*** Fault Data ***

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*** Formation Test Data ***

*** Drilling Progress Narrative ***

*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041750001	State: NEW MEXICO	County: LEA
UWI: 30025041750001		
Oper: CONTINENTAL OIL		Oper Code: W016705
Well: 3	Lease: REED-FEDERAL A-3	
Province: PERMIAN BASIN		Prov Code: 430
Field: EUMONT		Field Code: W030030185
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS		

District: 3001		
Meridian: NEW MEXICO		Meridian Code: 21
Twp: 20.0S Rng: 36.0E	Sec: 3.0	Spot:
Footages: 1980FSL 660FEL	CONGRESSIONAL TWP-RGE-SEC/FULL	
Source: TSNAD27	Lat: 32.60032	Long: -103.33523

Contr:	Tools:	Rig Nbr:
Oper Elev: 3616ES	Rig Ht:	Rig Release:
Drlr Depth: 3930 FT	TVD:	Form @ TD: YT-SR-QN
Log TD:	PB Depth:	Form Age @ TD: PERMIAN GU
Old TD: 3930 FT	Proj Depth:	Proj Form:

Spud Date: 01/01/1801	Date Well Added: 08/01/1973	Abnd Date:
Comp Date: 01/01/1801	Last Update: 08/01/1995	TD Reached:
Final Status: O&G-WO	Pool:	
Initial Well Class: DEVELOPMENT RECOMPLETION		
Final Well Class: DEVELOPMENT WELL-OIL		

*** Casing/Liner/Tubing ***

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

*** Log Surveys ***

*** Drilling Shows ***

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

Well Report

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*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

Well Report

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*** Well Header ***
(PERMIAN BASIN - HISTORICAL WELL)

GVT ID: 30025041760000 State: NEW MEXICO County: LEA
UWI: 30025041760000
Oper: CONTINENTAL OIL Oper Code: W016705
Well: 4 Lease: REED A-3
Province: PERMIAN BASIN Prov Code: 430
Field: MONUMENT Field Code: W030062027
Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

District: 3001
Meridian: NEW MEXICO Meridian Code: 21
Twp: 20.0S Rng: 36.0E Sec: 3.0 Spot:
Footages: 660FSL 660FEL CONGRESSIONAL TWP-RGE-SEC/FULL
Source: TSNAD27 Lat: 32.59669 Long: -103.33523

Contr: Tools: ROTARY Rig Nbr:
Oper Elev: 3611ES Rig Ht: Rig Release:
Drlr Depth: 3851 FT TVD: Form @ TD: YT-SR-QN
Log TD: PB Depth: Form Age @ TD: PERMIAN GU

Spud Date: 09/10/1936 Date Well Added: 08/01/1973 Abnd Date:
Comp Date: 10/23/1936 Last Update: 07/01/1994 TD Reached:
Final Status: OIL Pool:
Initial Well Class: DEVELOPMENT WELL
Final Well Class: DEVELOPMENT WELL-OIL

*** Casing/Liner/Tubing ***

(Casing)

Size	Depth	Cement
10 3/4 IN	272 FT	225 SACK
7 5/8 IN	1229 FT	425 SACK
5 1/2 IN	3770 FT	425 SACK

*** Initial Potential Test ***

IPF: Oil: 1128.00 BPD Gas: 2200.00 MCFD Water:
Water Cut(%): Choke Size: 48/64 CK Test Duration: 1440.00 MIN

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3770FT	-	3851FT		

Field/Pool Name: MONUMENT GRAYB-SAD

Top Pay: 3822.00 FT

*** Production Test ***

PTF: Oil: 65.00 BBL Gas: 2890.00 MCFD Water:
Water Cut(%): Choke Size: Test Duration: 60.00 MIN

Well Report

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*** Production Test ***

--- Detail Perforations ---

----- Depth -----			----- Depth -----		
Top	Base	Status	Top	Base	Status
0	3770FT - 3851FT				

*** Formation Tops/Bases ***

*** Fault Data ***

*** Core Description ***

*** Formation Test Data ***

DST Nbr:01	Type of Test:	Date:
Itrvl Tested: 3770-3820	Form/Zone CD:	
Mat To Surf:	GAS Time:	Rate: 660.00 MCFD
Mat To Surf:	OIL Time:	Rate: 25.00 BPH
Final Open Time: 14.00MIN	Init Flowing Press:	Final Flow:
Recorder Depth(#1):		

*** Log Surveys ***

Log	Log	Type of	
Run Date:	Interval	Mechanical Log:	Logging Company:
		NEUTRON	

*** Drilling Shows ***

Interval or Depth	Formation	Type of Show	Basis of Show
2959FT - 3030FT		GAS	

*** Porosity Zone ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Deviation Data ***

*** Directional Survey ***

*** Horizontal Drilling Data ***

*** Drilling Progress Narrative ***

EMSUB #851 Conversion to Injection
Eunice Monument South Unit
Lea County, NM

Well No.	Max Injection Rate (BWPD)	Avg. Inj Rate (BWPD)	Max Inj. Press. (psi)	Avg Inj. Press. (psi)	System Open	System Closed
EMSUB #851	1500	750	750	650		X

**EMSUB #851 Conversion to Injection
Eunice Monument South Unit
Lea County, NM**

Surface Land Owners

Edward H. Klein Estate
P.O. Box 1502
Hobbs, NM 88240

Offset Operators

Conoco, Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500

Arco Permian
P.O. Box 1610
Midland, TX 79702

Amerada Hess
500 Dallas Street
Houston, TX 77002

Data on Proposed Operation
of
Eunice Monument South Unit

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

Average daily rate of 400 BWPD
Maximum daily rate of 500 BWPD

2. System is closed.
3. Proposed average and maximum injection pressures:

Average injection pressure of 350 psi
Maximum injection pressure of 740 psi *

4. The source of injection fluids will be from the San Andres formation initially, then produced water from Unit wells will be used as the primary source of water when the Unit becomes fully developed.
 5. The make-up water from the San Andres formation to be used as injection fluid is compatible with the produced water from the Unit wells (See attached water analysis).
- * Until a fracture gradient is determined, maximum injection pressure will be based on a .2 psi/foot gradient.

EXHIBIT NO. 33a

Case No. 8397

November 7, 1984

RESULT OF WATER ANALYSES

TO Mr. Stan Chapman LABORATORY NO. 284226
P.O. Box 670, Hobbs, NM SAMPLE RECEIVED 2-15-84
RESULTS REPORTED 2-20-84

COMPANY Gulf Oil Exploration & Production Lease
FIELD OR POOL Company

SECTION BLOCK SURVEY COUNTY STATE

SOURCE OF SAMPLE AND DATE TAKEN.

NO. 1 Make-up water.

NO. 2 Produced water.

NO. 3

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0465	1.0051		
pH When Sampled				
pH When Received	6.80	7.22		
B. Carbonate as HCO ₃	964	1,830		
Supersaturation as CaCO ₃	75	120		
Undersaturation as CaCO ₃	---	---		
Total Hardness as CaCO ₃	5,400	800		
Calcium as Ca	1,400	144		
Magnesium as Mg	462	107		
Sodium and/or Potassium	23,244	2,308		
Sulfate as SO ₄	3,432	300		
Chloride as Cl	36,575	2,841		
Iron as Fe	0.27	7.5		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	66,077	7,530		
Temperature °F				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	600	325		
Resistivity, ohms/cm at 72° F	0.126	0.935		
Suspended Solids				
Filterable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	NONE	NONE		
Calcium Sulfate Scaling Tendency	NONE	NONE		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks We see no evidence in the above results that would indicate any incompatibility when mixing these two waters in any proportion. Please contact us if we can be of any additional assistance in this regard.

EXHIBIT NO. 336

Case No. 8397

November 7, 1984

Waylan C. Martin, M.A.

Geological Data
Injection Zones
in the
Proposed Eunice Monument South Unit

Penrose - Approx. depth 3,400'-3,800*, approx. 170 gross feet.

The Penrose is the lower portion of the Queen formation and overlies the Grayburg. The Penrose is composed of alternating layers of hard dolomite and sand lenses. The Penrose is productive of oil and/or gas, depending on structural position.

Grayburg - Approx. depth 3,500'-3,900*, approx. 490 gross feet.

The Grayburg is a massive dolomite with thin stringers of sand interspersed within it. The majority of oil production comes from intercrystalline porosity in the dolomite.

The range in depths to the top of the Grayburg is due to an asymmetrical anticlinal structure running NW to SE through the Eunice-Monument Pool. The structure dips steeply along the western and southern flanks and therefore the Grayburg top runs deeper, approximately 3,700'-3,900'. Along the axis and the gently dipping, eastern flank of the anticline the Grayburg depths run at approximately 3,500-3,700 feet.

San Andres - Approx. depth 4,100'-4,500*, approx. 1,130 gross feet.

The San Andres is a massive dolomite with intercrystalline porosity, which lies directly below the Grayburg. The contact between the Grayburg and the San Andres is gradational and there is no clear marker for the top of the San Andres which can be traced across the field. The San Andres contributes very little if any oil production to the field and serves primarily as a source for injection make-up water and as a zone for salt water disposal.

There are no known faults cutting through the San Andres and Grayburg which would act as a conduit for gas, oil or injection water to seep into fresh water horizons above the injection zones in the Grayburg and San Andres.

* Depth depends upon structural position of the well.

EXHIBIT NO. 34a

Case No. 8397

November 7, 1984.

Geological Data
Fresh Water Aquifers
in the Area of the
Proposed Eunice Monument South Unit
Lea County, New Mexico

The proposed Eunice Monument South Unit is located approximately 3/4 of a mile southwest of the Mescalero Ridge on the Eunice Plain.

The fresh water zones within the proposed Eunice Monument South Unit boundaries are the Quaternary alluvium, Pliocene Ogallala, and the Triassic Chinle and Santa Rosa formations.

The Quaternary aquifers are in recent sediments and are very localized in extent. They are made up of dune sands and sands filling channels or depressions in the underlying Ogallala. The sands are unconsolidated to semiconsolidated, fine to medium grained sands. They are found at the surface to a depth of approximately 100 feet.

The Pliocene Ogallala aquifer underlies the Quaternary alluvium and is present across the entire area but is not a major water source. The Ogallala is a calcareous unconsolidated sand containing some silt, clay and gravel. The Ogallala is found at approximately 60-125 feet.

The Triassic Chinle and Santa Rosa aquifers are the principal fresh water bearing zones in this area. They are both fine to medium grained sandstones interbedded with red clays and silt stones. At the northern end of the proposed unit, the Chinle is at a depth of approximately 50 feet and the Santa Rosa is at about 675 feet. At the southern end of the unit the Chinle is at approximately 200 feet and the Santa Rosa is at about 1000 feet.

Below the Santa Rosa are un-differentiated Permian and Triassic red beds. These "red beds" consist of red shales and red silty sandstones, and are not known to produce fresh water.

At the base of the Santa Rosa and/or the un-differentiated Permian and Triassic "red beds" is the Permian Rustler. At the top of the Rustler is an impermeable anhydrite bed, approximately 60-70 feet thick which provides an excellent barrier against contamination from brine waters in the Permian oil producing formations. The Rustler anhydrite is at approximately 1000 feet at the northern end of the unit and approximately 1400 feet at the southern end of the unit. There are no known fresh water horizons below the Rustler anhydrite.

For the protection of all fresh water zones within the unit boundary, cement will be circulated to surface around casing on all new injection wells and producing wells converted to injection wells.

Reference - Ground Water Report 6, USGS, 1961.

EXHIBIT NO. 36

Case No. 8397

November 7, 1984

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Chemical Analysis of Fresh Water
Within The
Proposed Eunice Monument South Unit
Lea County, New Mexico

See attached water analysis results.

- Sample No. 1 - Unit A Section 16, T-21-S, R-36-E
Livestock Water Source
Ogallala Formation
State Engineer's Well No. CP 00505
- Sample No. 2 - Unit D Section 10, T-21-S, R-36-E
Domestic and Commercial Sale Source
Triassic Chinle Formation
State Engineer's Well No. CP 00147
- Sample No. 3 - Unit K Section 36, T-20-S, R-36-E
Livestock Water Source
(Not on file with State Engineer's office)
- Sample No. 4 - Unit O Section 17, T-21-S, R-36-E
Livestock Water Source
Ogallala Formation
(Not on file with State Engineers Office)

EXHIBIT NO. 37
Case No. 8397
November 7, 1984.

700 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4881

LABORATORY NO. 284225
SAMPLE RECEIVED 2-15-84
RESULTS REPORTED 2-20-84

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Wm. C. Miller, M.A.

UNICHEM INTERNATIONAL

401 NORTH LEECH

P.O. BOX 1499

MORRIS, NEW MEXICO 88240

COMPANY : GULF OIL

DATE : 9-28-84

FIELD LEASE/WELL : SECTION 17-T215-R34E, UNIT O

SAMPLING POINT: WELLHEAD - FRESH WATER SAMPLE

DATE SAMPLED : 9-27-84

SPECIFIC GRAVITY = 1

TOTAL DISSOLVED SOLIDS = 1035

PH = 7.21

		ME/L	MC/L
CATIONS			
CALCIUM	(CA)+2	4.4	88.1
MAGNESIUM	(MG)+2	3.8	46.1
SODIUM	(NA).CALC.	7.2	167.
ANIONS			
BICARBONATE	(HCO3)-1	4.6	280
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	5.8	282.
CHLORIDES	(CL)-1	5	190
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		1.4
BARIUM	(BA)+2	0	.4
MANGANESE	(MN)	NOT RUN	

ONIC STRENGTH (MOIAL) = .023

#3

Proposed Eunice Monument South Unit
Lea County, New Mexico

Affirmative Statement

Gulf Oil Corporation has examined available geological and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

1

EXHIBIT NO. 38
Case No. 8397

MWS

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION COMMISSION

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

CASE No. 8398
Order No. R-7766

APPLICATION OF GULF OIL CORPORATION
FOR A WATERFLOOD PROJECT, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9:00 A.M. on November 7, 1984, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 27th day of December, 1984, the Commission, a quorum having been present, having considered the testimony and the record and being otherwise fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Gulf Oil Corporation, in Commission Case 8398, seeks authority to institute a waterflood project in its Eunice Monument South Unit, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation in the proposed unitized area, all as shown on Exhibit "A" attached to this order.

(3) The subject Commission Case 8398 was consolidated for hearing with Commission Cases 8397 and 8399.

(4) Gulf proposes to utilize an 80-acre five spot injection pattern using a well number system and proposed

(13) The subject application should be approved and the project should be governed by the provisions of Rule 701 through 708 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Gulf Oil Corporation, is hereby authorized to institute a waterflood project in the Eunice Monument South Unit Area for the acreage described on Exhibit "A" attached hereto and made a part hereof, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit described as 100 feet below mean sea level or at the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation said geologic markers having been as found to occur at 3,666 feet to 5,283 feet, respectively, in the Continental Oil Company's Meyer B-4 Well No. 23 located 660 feet from the South line and 1980 feet from the East line of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico.

(2) Applicant, Gulf Oil Corporation, is hereby authorized to utilize for injection purposes the wells identified and described on Exhibit "B" attached hereto and made a part hereof.

(3) The injection wells herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.

(4) Injection into each of said wells shall be through plastic or cement-lined tubing, set in a packer which shall be located as near as practicable to the uppermost perforations, or, in the case of open-hole completions, as near as practicable to the casing-shoe; that the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention attracting leak detection device.

(5) Prior to injection into any well located within one-half mile of any of the five wells listed on Exhibit "C" attached to this order, the applicant shall consult with the supervisor of the Oil Conservation Division's district office at Hobbs to develop a plan acceptable to

-5-
Case No. 8398
Order No. R-7766

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

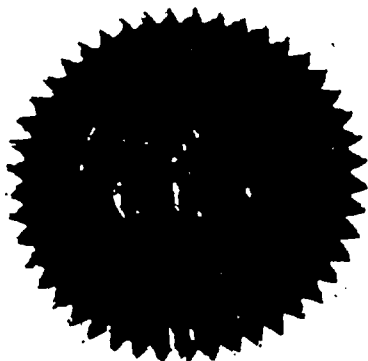
STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JIM BACA, Member

Ed Kelley

ED KELLEY, Member

R. L. Stamets
R. L. STAMETS, Chairman and
Secretary



S E A L

LEA COUNTY, NEW MEXICO

UNIT WELL NO.	UNIT LETTER	SECTION-TOWNSHIP-RANGE			NEW WELL
			SOUTH	EAST	
101	C	30	20	37	N
102	A	25	20	36	
104	C	25	20	36	
106	E	25	20	36	
108	G	25	20	36	
110	E	30	20	37	
112	G	30	20	37	
114	I	30	20	37	
116	K	30	20	37	
118	I	25	20	36	
120	K	25	20	36	
122	M	25	20	36	
124	O	25	20	36	
126	M	30	20	37	
128	O	30	20	37	N
130	A	32	20	37	
132	C	32	20	37	
134	A	31	20	37	
136	C	31	20	37	
138	A	36	20	36	
140	C	36	20	36	
142	E	36	20	36	
144	G	36	20	36	
146	E	31	20	37	
148	G	31	20	37	
150	E	32	20	37	
152	G	32	20	37	
154	I	32	20	37	N
156	K	32	20	37	
158	I	31	20	37	
160	K	31	20	37	
162	I	36	20	36	
164	K	36	20	36	
166	M	36	20	36	
168	O	36	20	36	
170	M	31	20	37	
172	O	31	20	37	
174	M	32	20	37	
176	O	32	20	37	

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXICO

249	T	6	21	36
251	V	6	21	36
253	X	6	21	36
255	V	5	21	36
257	X	5	21	36
259	V	4	21	36
261	X	4	21	36
263	V	3	21	36
265	X	3	21	36
267	V	2	21	36
269	X	2	21	36
271	B	11	21	36
273	D	11	21	36
275	B	10	21	36
277	D	10	21	36
279	B	9	21	36
281	D	9	21	36
283	B	8	21	36
285	D	8	21	36
287	B	7	21	36
289	D	7	21	36
291	F	7	21	36
293	H	7	21	36
295	F	8	21	36
297	H	8	21	36
299	F	9	21	36
301	H	9	21	36
303	F	10	21	36
305	H	10	21	36
307	F	11	21	36
309	H	11	21	36
310	L	12	21	36
312	J	11	21	36
314	L	11	21	36
316	J	10	21	36
318	L	10	21	36
320	J	9	21	36
322	L	9	21	36
324	J	8	21	36

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXI.

406	J	17	21	36
408	L	17	21	36
410	J	18	21	36
412	L	18	21	36
414	N	18	21	36
416	P	18	21	36
418	N	17	21	36
420	P	17	21	36
422	N	16	21	36
424	P	16	21	36
426	N	15	21	36
428	P	15	21	36
430	N	14	21	36
432	P	14	21	36
434	B	22	21	36
436	D	22	21	36
438	B	21	21	36
440	D	21	21	36
442	F	21	21	36
444	H	21	21	36
446	F	22	21	36
448	H	22	21	36
450	J	22	21	36
454	J	21	21	36
456	L	21	21	36
452	L	22	21	36

CASE 8398
ORDER NO. R-8398
EXHIBIT "B"



Chevron U.S.A. Production Company
P.O. Box 1150
Midland, TX 79702

May 4, 1999

APPLICATION FOR AUTHORIZATION
TO INJECT – OCD FORM C-108; Item XIII
EUNICE MONUMENT SOUTH UNIT AREA B
EUNICE MONUMENT OIL POOL
LEA COUNTY, NEW MEXICO

MAY - 6

State of New Mexico
Energy and Minerals Dept.
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Attention: Mrs. Lori Wrotenbery, Director

Mrs. Wrotenbery

Recently, Chevron U.S.A. Production Co. submitted an application to inject water into the Eunice Monument South Unit Area B Well No. 851 located in Unit C, Section 11, Township 20 South, Range 36 East, Lea County, New Mexico.

In order to complete this application, Chevron had to publish a legal notice in the Hobbs Daily News-Sun and provide a copy of application to all applicable land owners and offset operators. Attached are copies of the affidavit of publication and certified mail return receipts.

Your prompt approval of this application will be greatly appreciated. If any further information is required, please feel free to contact me at (915)-687-7288.

Sincerely,

A handwritten signature in black ink, appearing to read "Sean Buehler", with a long horizontal flourish extending to the right.

Sean Buehler
Petroleum Engineer
New Mexico Waterfloods

SB
Attachments

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I,

Publisher

of the Hobbs Daily News-Sun, a
daily newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a
week in the regular and entire
issue of said paper, and not a
supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

April 7 1999

and ending with the issue dated

April 7 1999

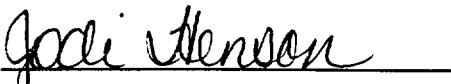


Publisher

Sworn and subscribed to before

me this 6th day of

April 1999



Notary Public.

My Commission expires
October 18, 2000
(Seal)

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

LEGAL NOTICE

April 7, 1999

Chevron U.S.A. Production Company has applied to Oil Conservation Division of the State of New Mexico for approval to convert #851 to an injection well in their Eunice Monument South Unit Area B. This well is designed to improve efficiency of the water-flood pattern and enhance the production of the EMSUB secondary recovery project. This well is located in Section 11, Unit C, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Water will be injected into the utilized interval of the Eunice Monument Grayburg-San Andres Pool which has an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a low limit being the base of the San Andres formation. Injection will at an expected maximum rate of 1500 barrels of water per day and an expected maximum pressure of 750 pounds per square inch. Persons wanting to contact Chevron U.S.A. should direct their inquiries to Sean Buehler, Chevron U.S.A., P.O. Box 1150, Midland, TX 79702, phone (915)-687-7288.

Interested Parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501 within 15 days of this notice.
#16535

01102480000

01531247

Chevron U.S.A. Production Comp
P.O. Box 1150
MIDLAND, TX 79702

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
Complete items 3, 4a, and 4b.
☐ Print your name and address on the reverse of this form so that we can return this card to you.
☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
☐ Write "Return Receipt Requested" on the mailpiece below the article number.
☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

Conoco Inc.

Attn: Offset Operator

10 Desta Dr. Suite 100W

Midland, TX 79705-4500

5. Received By: (Print Name)*Edward H. Klein***8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
Complete items 3, 4a, and 4b.
☐ Print your name and address on the reverse of this form so that we can return this card to you.
☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
☐ Write "Return Receipt Requested" on the mailpiece below the article number.
☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

Edward H. Klein Estate

Attn: Land Owner

P. O. Box 1502

Hobbs, NM 88240

5. Received By: (Print Name)*Edward H. Klein***8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
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☐ Write "Return Receipt Requested" on the mailpiece below the article number.
☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

Amerada Hess

Attn: Offset Operator

500 Dallas St.

Houston, TX 77002

5. Received By: (Print Name)*John Bent***8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
Complete items 3, 4a, and 4b.
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☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

Arco Permian

Attn: Offset Operator

P. O. Box 1610

Midland, TX 79702

5. Received By: (Print Name)*John Bent***8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

Is your RETURN ADDRESS completed on the reverse side?