P.O. BOX 636
HOBBS, NEW MEXICO 88240
OFFICE (505) 392-1915

PEAK
CONSULTING SERVICES
**ENVIRONMENTAL,
GEOLOGICAL & REGULATORY
SPECIALISTS**

PCS

May 17, 1994

Mr. Ben Stone
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Re: Warren Petroleum Company
Graham State (NCT -F) No. 7
Injection Application
Sec. 36 - T19S - R36E
Lea County, New Mexico

Dear Ben:

Please find enclosed two copies of Warren Petroleum Company application for injection. We propose to covert this well to a San Andres SWD.

The Graham State NCT - F No. 7 well is approximately 3/4 of a mile due north of Rice Engineering Skelly State D No. 3 well. This well is a San Andres SWD thru perfs 4450' - 4950'. The order number is R - 1717.

If you have any questions or if I can be of any assistance, please let me know. Thank you for your time and consideration.

Sincerely,

Michael L. Pierce
Peak Consulting Services

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: WARREN PETROLEUM COMPANY

Address: 8201 S. HWY 322 MONUMENT, NM 88265 P.O. BOX 636 HOBBS, NM 88241

Contact party: M. L. PIERCE (AGENT) Phone: 392-1915

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

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

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

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

VII. Attach data on the proposed operation, including:

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

*VIII. Attach appropriate 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: MICHAEL L. PIERCE Title AGENT

Signature: _____ Date: 5-17-94

* 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.

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.

WARREN PETROLEUM COMPANY

GRAHAM STATE NCT-F NO. 7
SEC 36 - T19S - R36E
LEA COUNTY, NEW MEXICO

FORM C - 108 cont.

Part III. A

1.) Graham State (NCT- F) No. 7
330' FSL and 1650' FEL
Sec. 36 - T19S - R36E
Unit O
Lea County, New Mexico

2.) See attached wellbore schematic.

3.) Propose to run approximately 4500' of 2 7/8" plastic lined tubing.

4.) Propose to use a tension Packer as a seal, and set at approximately 100' above the top perforation. The casing annulus will be loaded with packer fluid.

Part III. B

1.) The injection interval will be in the lower San Andres. and there is no San Andres production from this interval in the immediate area.

2.) The injection interval will be approximately 4550' to 5000' and will be selectively perforated.

3.) This well was originally drilled as an oil and gas well.

4.) See wellbore schematic

5.) There is production from above and below the San Andres in this area. The Eumont(Yates - Seven Rivers - Queen) at approximately 2700' to 3500', the Eunice - Monument (Graybug - San Andres) at 3500' to 3900'. The Monument Paddock at 5100', Monument Blinebry at 5600', Monument Abo at 7100', Monument McKee - Ellenburger at 9500'.

Part VII.

1.) Proposed average daily injection will be 3500 bbls/ day. Maximum will be 5000 bbls./ day.

2.) The system will be closed.

3.) The average injection pressure will be 0(Vacuum). The maximum will not exceed the limits set forth by the OCD.

4.) The source of the water will be from the Warren Petroleum Company Gas Plant, located immediately west of this well.

5.) The San Andres is productive within one mile of the Graham State (NCT - F) No. 7 well.

Part VIII

The injection interval is the lower San Andres, and is composed of primarily limestone and porous dolomite with occasional anhydrite and thin shale stringers, and is approximately 800' thick. The top of the San Andres is at approximately 4300'. The base of the San Andres is at approximately 5080'. This entire area is overlain by Quaternary Alluvium. This alluvium is the major source of fresh water in this area, at a depth of 20' to 50'deep. The Ogalalla is not present at this location.

Part IX

The disposal interval will be treated with a breakdown acid job.

Part X

The logs have been previously submitted by Gulf Oil Corporation.

Part XI

There are active fresh water wells within one mile of the Graham State (NCT - F) NO. 7 location. The analysis for these wells are attached.

Part XII

We have examined all available geologic and engineering data, and find no evidence of open faults or any other hydrologic connection between the disposal interval and any underground source of drinking water.

Part XIV

A copy of this application has been sent to:

CHEVRON USA INC. P.O. BOX 1150. MIDLAND. TEXAS 79702

TEXACO EXPLORATION AND PRODUCTION 205 E. BENDER.
HOBBS. NEW MEXICO 88240

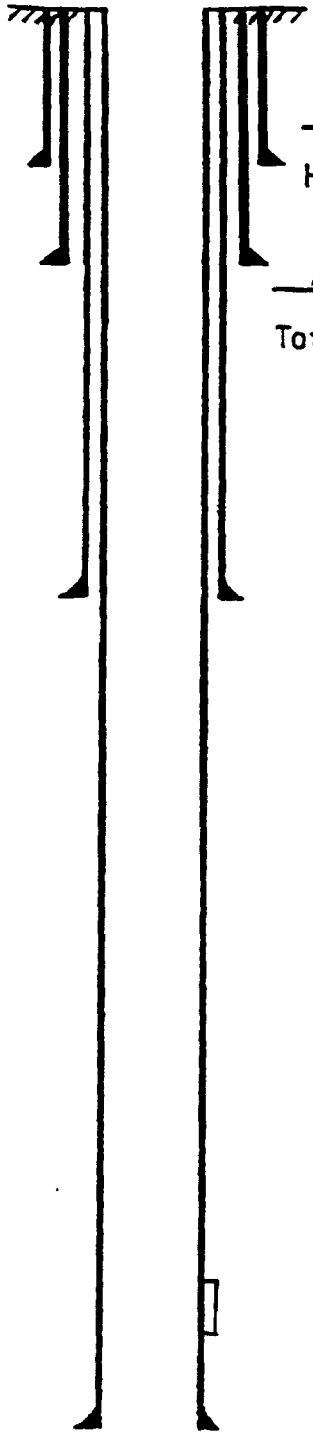
AMERADA HESS CORPORATION DRAWER D. MONUMENT. NEW MEXICO
88265

Warren Petroleum Comoany is the surface owner of unit O. Sec 36 - T19S - R36E. Lea County. New Mexico.

MAY NEED CBL - (BS) ?

OPERATOR			DATE
Amerada Hess Corporation			5-16-94
LEASE J. R. Phillips	WELL No. 5	LOCATION Unit A	660' FNL & 660' FEL

Sec 1 - T20S - R36E Active Monument McKee - Ellenburger



16 " casing set at 169 ' with 300 sx of _____ cement
Hole size 24 " Circulated

11 3/4" casing set at 2419 ' with 2050 sx of _____ cement
Total Depth 2419 ' Hole size 15 " Circulated

8 5/8 " casing set at 5121 ' with 1250 sx of _____ cement
Hole size 10 5/8 " TOC by TS @ 2048'

perf 5180 - 5200, perf 5215 - 5218 } Sqz w/ 150 sx
perf 5595 - 5600, perf 5600 - 5610 } Sqz w/ 50 sx
perf 5215 - 5220 Sqz w/ 50 sx
perf 5660 - 5715 Sqz w/ 75 sx
perf 7070 - 7110 Sqz w/ 98 sx
perf 7110 - 7164, perf 7190 - 7230 } Sqz w/ 125 sx
perf 7645 - 7665, perf 7665 - 7690 } Sqz w/ 135 sx

perf 9610 - 9870

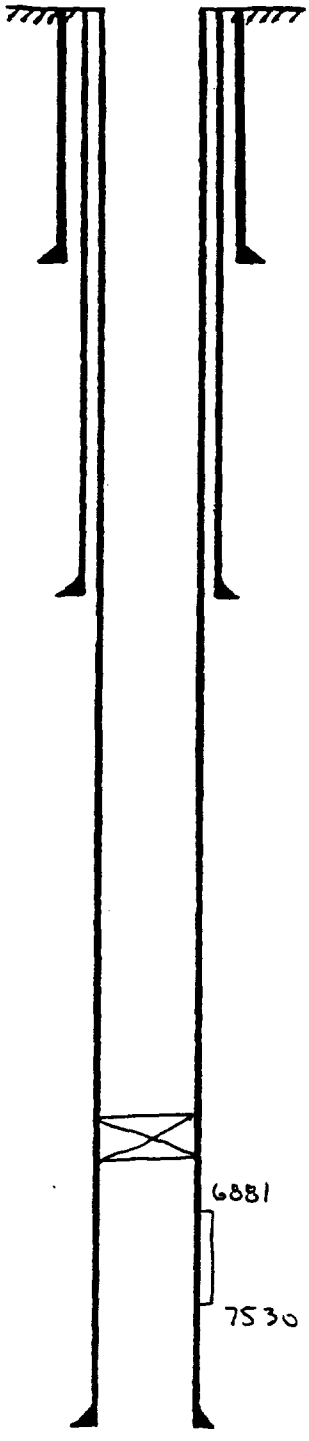
5 1/2 " casing set at 9941 ' with 1500 sx of _____ cement
Total Depth 9941 ' Hole size 7 3/4 " TOC by Calc @ 4313 w/ 50% Efficiency

MAY NEED CBL - (B)

?

OPERATOR				DATE
Amerada Hess Corporation				5-16-94
LEASE	WELL NO.	LOCATION		
J. R. Phillips	7	Unit H	1980' FNL & 760' FEL	

Sec 1 - T20S - R36E TA'D 8-7-92 Mouument ABO



13 3/8" set @ 997' w/ 750 sx
17 1/2" hole size Circulated

8 5/8" casing set at 5234' with 1580 sx of _____ cement
Hole size 11" TOC by TS @ 1940'

CSG Leak @ 5147 - 5266 - Sqz w/ 50 sx

perf 5138 - 5143 Sqzd w/ 100 sx
perf 5165 - 5210 Sqzd w/ 50 sx
perf 5160 - 5210 Sqzd w/ 50 sx

CIBP @ 6848'
perf 6881 - 7095
perf 7490 - 7530
perf 7490 - 7525
perf 7525 - 30

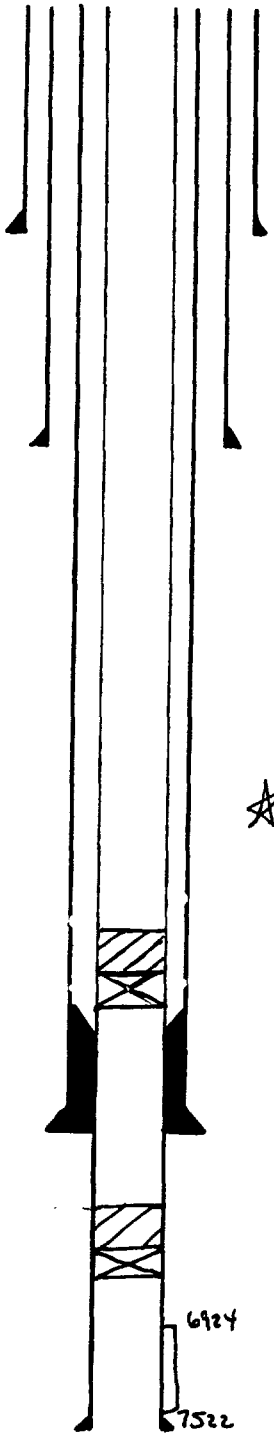
5 1/2" casing set at 10004' with 1200 sx of _____ cement
Total Depth 10004' Hole size 7 3/4" TOC by Calc
@ 5502 50% efficiency

★ Corrected 5-27-94

OPERATOR		DATE
Warren Petroleum Company		
LEASE	WELL No.	LOCATION
Graham State NCT-F	7	unit O 330' FSL & 1650' FEL

Sec 36-T19S-R36E

Proposed wellbore configuration



13 3/8" casing set at 307' with 375 sx of _____ cement
Hole size 18" circulated

9 5/8" casing set at 2899' with 1750 sx of _____ cement
Hole size 12 1/4" Circulated

perf selectively 4550' – 5000'
★ RAN 4½" Tieback Liner 4956 – surface
cement w/ 400 sacks TOC @ 2621' @ 75% efficien
@ 1844 @ 100% efficien

CIBP @ 4930 + 35' cmt
TOL @ 4956
CIBP @ 6900' + 35' cmt.

7" casing set at 5724' with 500 sx of _____ cemen
Total Depth 5724' Hole size 8¾" TOC by Calc
@ 3694' 50% efficie

perf 7522 – 7687
6924 – 7319

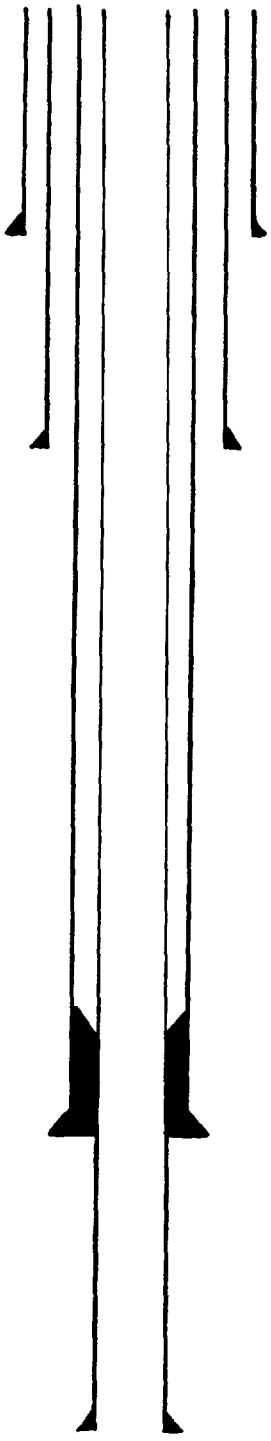
4½" casing set at 7699' with 400 sx of _____ cemen
Total Depth 7700' Hole size 6¼" circulated

☆ Corrected 5-27-94

OPERATOR				DATE
Chevron USA Inc (Warren Petroleum Co)				5-16-94
LEASE	WELL No.	LOCATION		
Graham State NCT-F	7	unit O	330' FSL & 1650' FEL	

Sec 36-T19S-R36E Active well Monument A-B-D

Existing Wellbore Conditions



13 3/8 " casing set at 307 ' with 375 sx of _____ cement
Hole size 18 " Circulated

Csg Leak @ 3079 & 3112 Sqz w/ 150 sx
resqz w/ 150 sx

9 5/8 " casing set at 2899 ' with 1750 sx of _____ cement
Hole size 12 1/4 " Circulated

perf 3758 - 3774 Sqzd w/ 350 sx
perf 3800 - 15 sqzd w/ 75 sx

perf 5145-5280, perf 5250-5280, perf 5615-5650, perf 5686-5682 } Sqzd w/ 250 sx
perf 5694 - 5722 Sqzd w/ 93 sx
perf 5190 - 5250 Sqzd w/ 233 sx
perf 5145 - 5175 Sqzd w/ 238 sx

TOL @ 4956'

7 " casing set at 5724 ' with 500 sx of _____ cemen
Total Depth 5724 ' Hole size 8 3/4 " Toc by Calc @ 3694' 50% Efficienc
perf 7522 - 7687
6924 - 7319

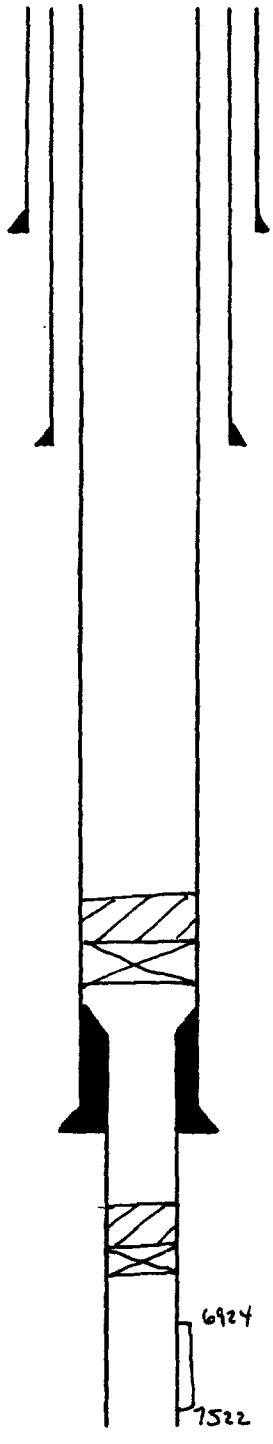
4 1/2 " casing set at 7699 ' with 400 sx of _____ cemen
Total Depth 7700 ' Hole size 6 1/4 " Cement Circulated

☆ RAN 4 1/2" TieBack Liner 4956 - Surface
Cement w/ 400 sacks Toc @ 2621' @ 75% efficiency
@ 1944' @ 100% efficiency

OPERATOR		DATE
Warren Petroleum Company		
LEASE Graham State NCT-F	WELL No. 7	LOCATION Unit O 330' FSL & 1650' FEL

Sec 36-T19S-R36E

Proposed wellbore configuration



13 3/8" casing set at 307' with 375 sx of _____ cement
Hole size 18" circulated

9 5/8" casing set at 2899' with 1750 sx of _____ cement
Hole size 12 1/4" circulated

perf selectively 4550' – 5000'

CIBP @ 4930 + 35' cmt
TOL @ 4956
CIBP @ 6900' + 35' cmt.

7" casing set at 5724' with 500 sx of _____ cemen
Total Depth 5724' Hole size 8 3/4" TOC by Calc @ 3694' 50% efficie

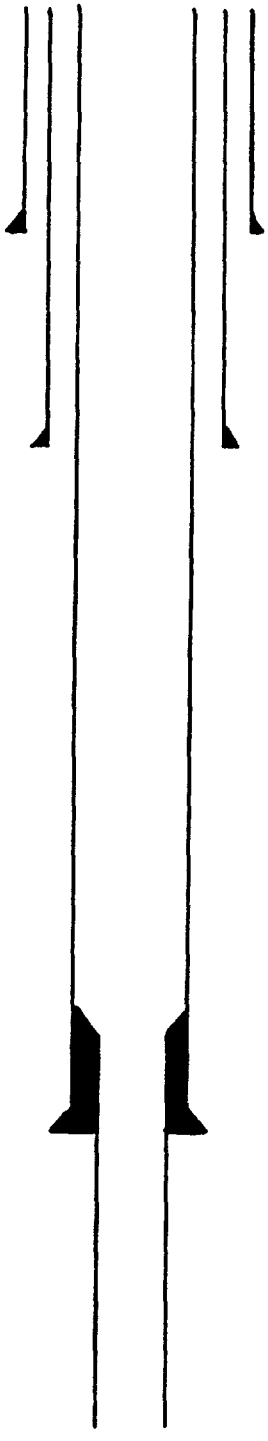
perf 7522 - 7687
6924 – 7319

4 1/2" casing set at 7699' with 400 sx of _____ cemer
Total Depth 7700' Hole size 6 1/4" circulated

OPERATOR				DATE
Chevron USA Inc (WARREN Petroleum Co)				5-16-94
LEASE	WELL NO.	LOCATION		
Graham State NCT-F	7	unit O	330' FSL & 1650' FEL	

Sec 36-T19S-R36E Active well Monument ABO

Existing Wellbore Conditions



13 3/8 " casing set at 307 ' with 375 sx of _____ cement
Hole size 18 " Circulated

Csg Leak @ 3079 & 3112 Sqz w/ 150 sx
resqz w/ 150 sx

9 5/8 " casing set at 2899 ' with 1750 sx of _____ cement
Hole size 12 1/4 " Circulated

perf 3758 - 3774 Sqzd w/ 350 sx
perf 3800 - 15 sqzd w/ 75 sx

perf 5145-5280, perf 5250-5280, perf 5615-5650, perf 5686-5682 } Sqzd w/ 250 sx
perf 5694 - 5722 sqzd w/ 93 sx
perf 5190 - 5250 sqzd w/ 233 sx
perf 5145 - 5175 sqzd w/ 238 sx

TOL @ 4956'

7 " casing set at 5724 ' with 500 sx of _____ cemen
Total Depth 5724 ' Hole size 8 3/4 " Toc by Calc @ 3694' 50% Efficienc
perf 7522 - 7687
6924 - 7319

4 1/2 " casing set at 7699 ' with 400 sx of _____ cemen
Total Depth 7700 ' Hole size 6 1/4 " Cement Circulated

LIST OF WELLS IN AREA OF REVIEW

LIST OF WELLS THAT PENETRATE INJECTION INTERVAL

COMPANY	WELL	UNIT	TD
SEC 36 - T19S - R36E			
AMERADA HESS CORPORATION	NMGSAU BLK 14 # 32	P	9822'
" "	STATE F # 5	N	10225'
CHEVRON USA INC.	GRAHAM STATE NCT-F # 6	P	5724'
CHEVRON USA INC.	GRAHAM STATE NCT-F # 7	O	7700'
SEC 1 - T20S - R37E			
AMERADA HESS CORPORATION	J. R. PHILLIPS # 5	A	9941'
" "	J. R. PHILLIPS # 6	B	5207'
" "	J. R. PHILLIPS # 7	H	10004'
" "	J. R. PHILLIPS # 8	G	5760'
" "	J. R. PHILLIPS # 9	A	5720'
" "	STATE D # 5	C	5730'
" "	STATE D # 6	P	7877'
SEC 6 - T20S - R37E			
TEXACO EXPLORATION & PROD.	J. R. PHILLIPS # 5	D	7750'
" "	J. R. PHILLIPS #11	D	9814'
SEC 31 - T19S - R36E			
ARCO	J. R. PHILLIPS # 8	M	9899'
AMERADA HESS CORPORATION	NMGSAU BLK 15 # 13	M	5720'

LIST OF WELLS IN AREA OF REVIEW

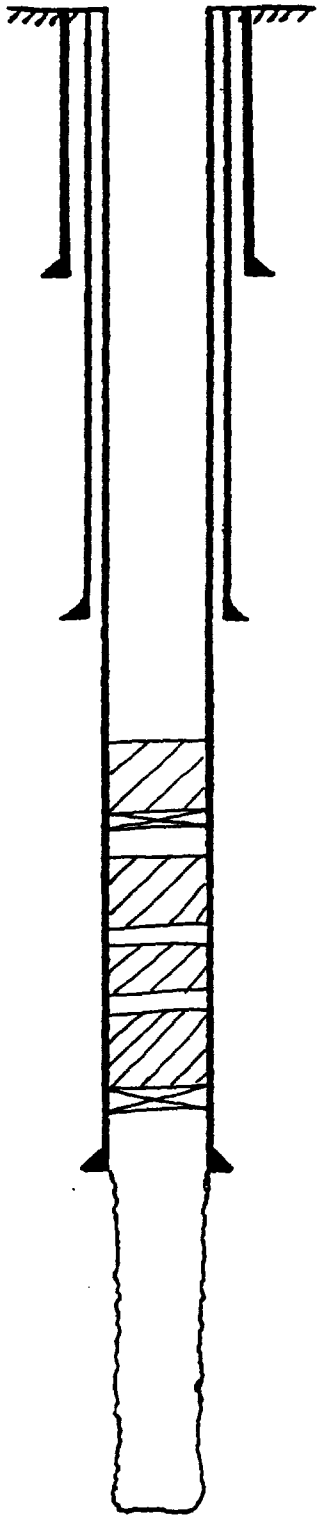
WELLS THAT DO NOT PENETRATE INJECTION INTERVAL

COMPANY	WELL	UNIT	TD
SEC 36 - T19S - R36E			
AMERADA HESS CORPORATION	NMGSAU BLK 14 # 9	I	3908'
" "	NMGSAU BLK 14 # 10	J	3950'
" "	NMGSAU BLK 14 # 11	K	3905'
" "	NMGSAU BLK 14 # 14	N	3905'
" "	NMGSAU BLK 14 # 16	P	4024'
" "	STATE V # 3	H	3915'
CHEVRON USA INC	GRAHAM STATE # 3	J	3921'
CHEVRON USA INC	GRAHAM STATE # 4	O	3915'
SEC 1 - T20S - R36E			
AMERADA HESS CORPORATION	NMGSAU BLK 19 # 3	C	3900'
" "	NMGSAU BLK 19 # 4	D	3954'
" "	NMGSAU BLK 19 # 6	F	3910'
" "	J. R. PHILLIPS # 1	A	3900'
" "	J. R. PHILLIPS # 2	H	3890'
" "	J. R. PHILLIPS # 3	G	3892'
" "	J. R. PHILLIPS # 4	B	3900'
SEC 6 - T20S - R37E			
TEXACO EXPLORATION & PROD.	J. R. PHILLIPS # 1	D	3908'
SEC 31 - T19S - R37E			
AMERADA HESS CORPORATION	NMGSAU BLK 15 # 29	M	3899'

OK

OPERATOR			DATE
Amerada Hess Corporation			5-16-94
LEASE	WELL No.	LOCATION	
NMGSAU Blk 14	32	Unit A 660' FSL & 660' FEL	

Sec 36-T19S-R36E Active well GRBG-SA



13 3/8" casing set at 302' with 300 sx of _____ ceme:
Total Depth 302' Hole size 17 1/2" circulated

perfs 3721 - 3885

CIBP @ 4500 + 35 sx cmt.

9 5/8" casing set at 2787' with 1300 sx of _____ cement
Hole size 12 1/4" Toc by TS @ 1205'

perf 7" @ 4574 w/ 4 shots, cmt w/ 365 sxs. Toc by TS @ 2880'
perf 5710 - 5745 sqzd w/ 50 sx
perf 7160 - 7277 sqzd w/ 100 sx
perf 7590 - 7670 sqzd w/ 2 sx
CSG Leak @ 6308 - 6808 sqzd w/ 186 sx
100' plug @ 6801 - 6901
100' plug @ 5065 - 5165

7" casing set at 9785' with 500 sx of _____ cemen
Total Depth 9822' Hole size 8 5/8" Toc by TS @ 4630'

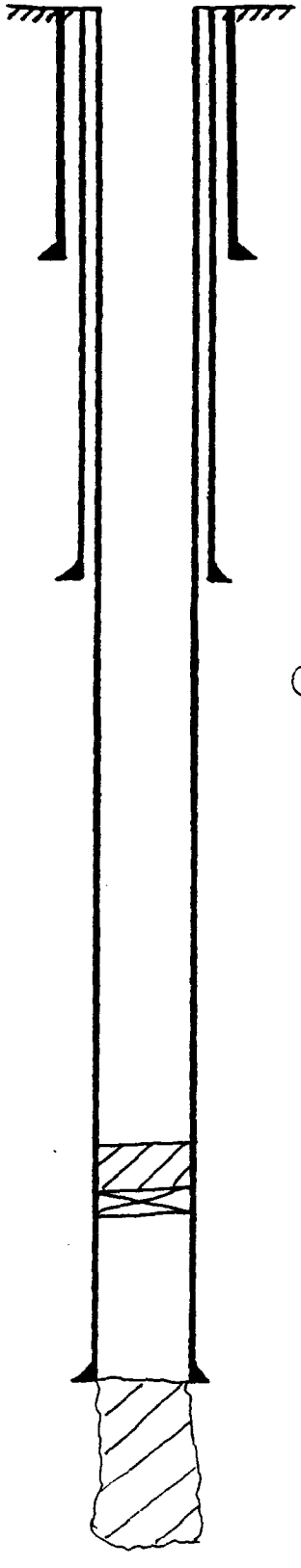
CIBP @ 9475 + 35 sx cmt.
perf 9501 - 31
perf 9752 - 54

OH 9785 - 9822'

O.K.
BJ

OPERATOR			DATE
AMERADA HESS CORPORATION			5-16-94
LEASE	WELL No.	LOCATION	
STATE F	5	UNIT N	785' FSL & 1980' FWL

Sec 36-T19S-R36E Active well Monument ABO



13 3/8" CSG set @ 187' with 200 sx
TD 187', hole size 17½ Circulated

perf 4460 Sqz w/ 400 sx TOC 2544' by TS

perf 3579 - 3756 Sqzd w/ 100 sx

8 5/8" casing set at 2400' with 1300 sx of _____ cement
Hole size 11" TOC by TS @ 1226'

CSG Leak @ 4447 - 4478 Sqzd w/ 100 sx
perf 5620 - 5712 Sqzd w/ 150 sx
perf 5691 - 5711 Sqzd w/ 125 sx

perf 6910 - 7201, 7562 - 7678

CIBP @ 7170' + 35' cmt (Drilled out
perf 7562 - 7678

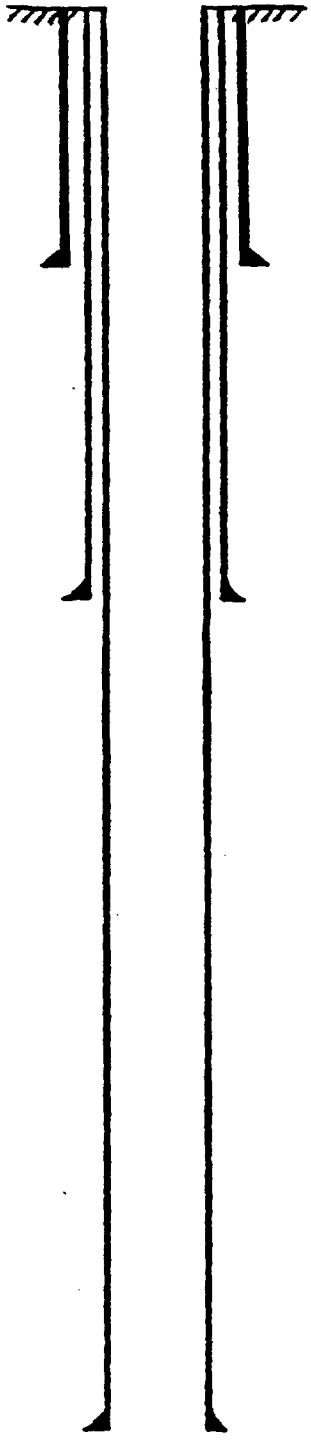
CIBP @ 7800' + 1 sx
perf 9834 - 64
perf 9834 - 64
perf 9890 - 93
perf 9907 - 15
perf 9915 - 20
} Sqzd w/ 100 sx

5½" casing set at 9978' with 800 sx of _____ cement
Total Depth 10225' Hole size 7¾" TOC by TS @ 2544

O.K.

OPERATOR			DATE
Chevron USA INC			5-16-94
LEASE	WELL No.	LOCATION	
Graham State NCT-F	6	Unit P	330' FSL & 660' FEL

Sec 36-T19S-R36E Active well Monument Blinebry



13 3/8" csg set @ 269' w/ 375 sx
Hole size 18' circulated

9 5/8" casing set at 2999' with 2050 sx of _____ cement
Hole size 12 1/4" Circulated

perf 5605 - 5636

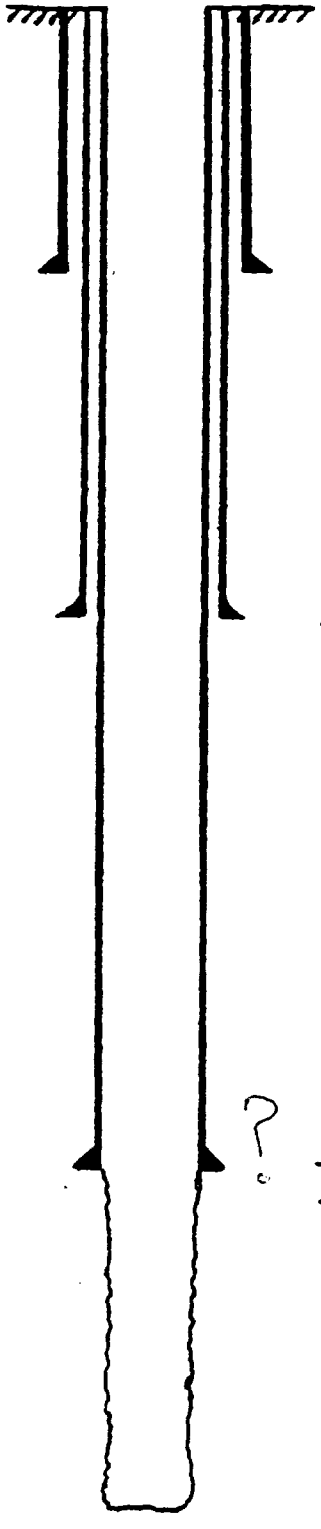
perf 5654 - 5721

7" casing set at 5724' with 475 sx of _____ cement
Total Depth 5724' Hole size 8 3/4" TOC by Calc
@ 3796' 50% Efficiency

O.K. (BS)

OPERATOR			DATE
AmerADA Hess Corporation			5-16-94
LEASE J. R. Phillips	WELL No. 6	LOCATION Unit B 731' FNL & 1909' FEL	

Sec 1 - T20S - R36E Active Monument Paddock



16" casing set at 150' with 250 sx of _____ ceme
Total Depth 150' Hole size 24" Circulated

9 5/8" casing set at 2399' with 1530 sx of _____ cement
Hole size 12 1/4" TOC by TS 447'

? 7" casing set at 5126' with 800 sx of _____ cemen
Total Depth 5207' Hole size 8 3/4" TOC by TS @ 391'

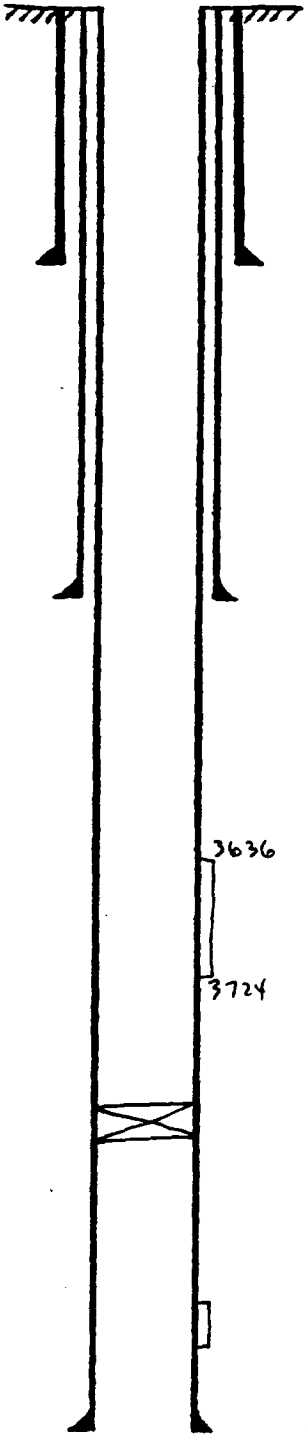
OH 5126 - 5207

O.K. BS

OPERATOR			DATE
Amerada Hess Corporation			5-16-94
LEASE	WELL No.	LOCATION	
J. R. Phillips	8	unit G 2088' FNL & 1980' FEL	

Sec 1 - T20S - R36E

Active Eunice Monument



13 3/8" set @ 259' w/ 200 sx cmt
17 1/2" hole size
Circulated

9 5/8" casing set at 2291' with 1500 sx of _____ cement
Hole size 12 1/4"
Circulated

perf 3050 - 3390 Sqz w/ 300 sx
re Sqz w/ 200 sx

3636
perf 3636 - 3678
perf 3682 - 3724
perf 3701 - 3723

3724
perf 3762 - 3772 Set Cmt Ret @ 3752 Sqz w/ 150 sx
perf 3784 - 3792 Sqz w/ 125 sx
perf 3783 - 3795 Sqz w/ 200 sx
perf 3802 - 3818 Sqz w/ 100 sx
perf 3838 - 3854 Sqz w/ 150 sx

perf 5682 - 5713

7" casing set at 5758' with 650 sx of _____ cement
Total Depth 5760' Hole size 8 3/4" TOC by TS @ 2296'

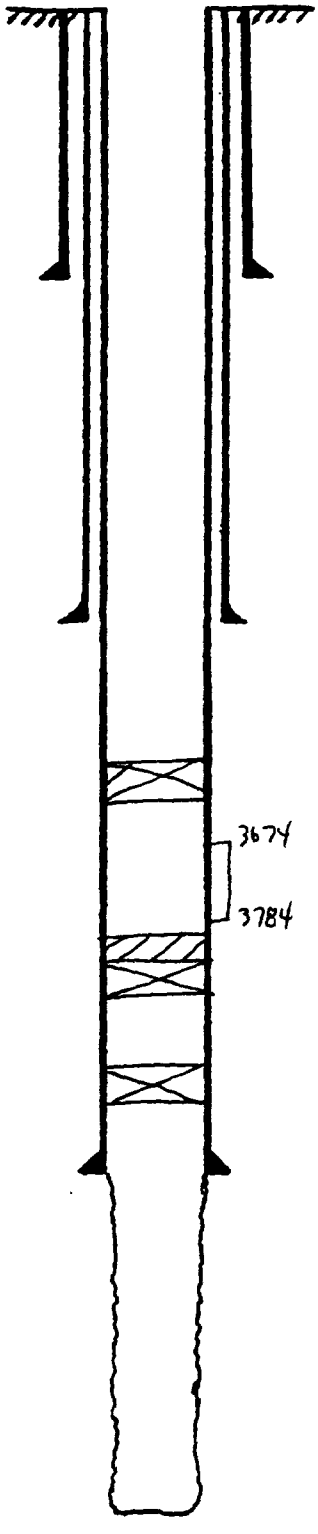
O.K. 69

OPERATOR				DATE
Amerada Hess Corporation				5-16-94
LEASE	WELL No.	LOCATION		
J. R. Phillips	9	Unit A	660' FNL & 360' FEL	

Sec 1 - T20S - R36E

TA'D Eunice Monument

12-13-91



13 3/8" casing set at 293' with 230 sx of _____ ceme

Total Depth 293' Hole size 17 1/2" Circulated

CIBP @ 3605'

9 5/8" casing set at 2325' with 1400 sx of _____ cemen

Hole size 12 1/4" Circulated

Sqz 3694 - 3704 w/ 75 sx

perf 3674 - 3704

perf 3732 - 3784 Sqz w/ 75 sx

CIBP @ 3900' + 10 sx TOC @ 3865'

perf 5170 - 5200

CIBP @ 5250

7" casing set at 5685' with 580 sx of _____ cemen

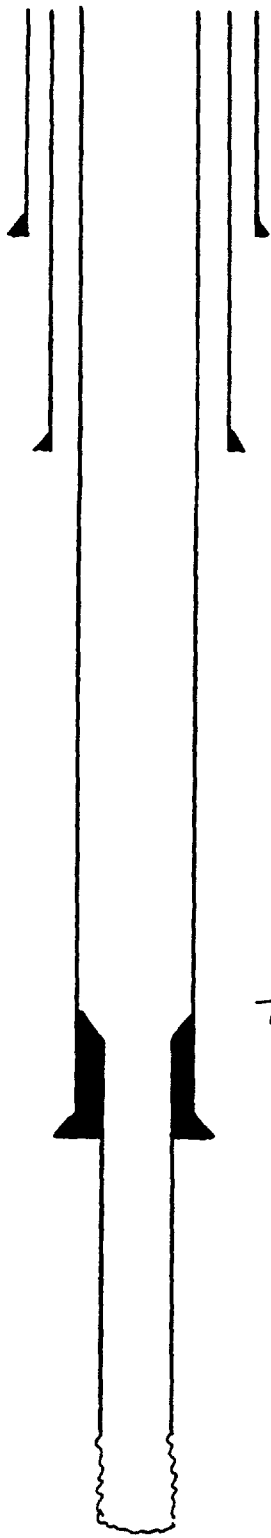
Total Depth 5720' Hole size 8 3/4" TOC by TS @ 2000'

OH 5685 - 5720

O.K. (BB)

OPERATOR			DATE
Amerada Hess Corporation			5-16-94
LEASE	WELL No.	LOCATION	
State D	5	Unit C	766' FNL & 1874' FWL

Sec 1 - T20S - R36E Active Monument Blinebry



13 3/8 " casing set at 190 ' with 200 sx of _____ cement
Hole size 17 1/2 " Circulated

8 5/8 " casing set at 2796 ' with 1550 sx of _____ cement
Hole size 11 " Circulated

part 5150 - 60
part 5193 - 5207 } Sqz w/ ? Sx
Sqz TOL @ 5156 w/ 60 Sx

TOL 5156'

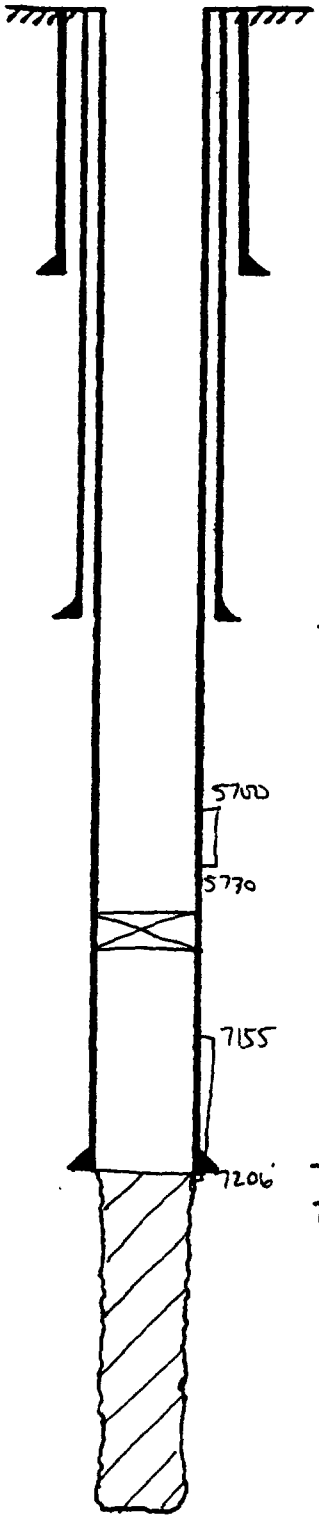
5 1/2 " casing set at 5215 ' with 500 sx of _____ cemen
Total Depth 5215 ' Hole size 7 3/4 " TOC by TS @ 1508'

4 " casing set at 5680 ' with 40 sx of _____ cemen
Total Depth 5730 ' Hole size 4 3/4 " Sqz TOL w/ 60 Sx
OH 5680 - 5730

O.K. (89)

OPERATOR				DATE
Amerada Hess Corporation				5-16-94
LEASE		WELL No.	LOCATION	
State D		6	Unit F	1880' FNL + 1980' FWL

Sec 1 - T20S - R36E Active Monument Blinebry



10 3/4" casing set at 217' with 250 sx of _____ cement
Total Depth 217' Hole size 15" Circulated

7 5/8" casing set at 2547' with 1250 sx of _____ cement
Hole size 9 7/8" TOC Circulated
perf 4430 sqz w/ 450 sx
CIBP @ 5830
perf 5700-5730
perf 7170 - 7199
perf 7155 - 7206
perf 7195 - 7205
perf 7170 - 7201

5 1/2" casing set at 7205' with 900 sx of _____ cement
Total Depth 7877' Hole size 6 3/4" TOC by Calc
@ 630 50% Efficiency

Deepen to 7877 - plug back to 7205

O.K. (BB)

OPERATOR			DATE
Texaco Exploration + Production			5-16-94
LEASE	WELL No.	LOCATION	
J. R. Phillips	5	unit J	660'FNL & 660'FWL

Sec 6 - T20S - R37E

Active Monument Area

13 3/8 " casing set at 1049 ' with 900 sx of _____ cement
Hole size 17 1/2 " Circulated

8 5/8 " casing set at 2774 ' with 600 sx of _____ cement
Hole size 11 "

pump 250 sx between 8 5/8 + 5 1/2 csg
TOC 1900'

perf 5130 - 5160
perf 5170 - 5185
perf 5195 - 5220
} Sqz w/ 100 sx

perf 5660 - 5720
perf 5590 - 5616
} Sqz w/ 450 sx

TOC 4994' perf 5130 - 5220 Sqz w/ 200 sx

5 1/2 " casing set at 5770 ' with 250 sx of _____ cement
Total Depth _____ ' Hole size 7 3/8 " TOC by TS 3780'

6782
perf 6782 - 7388
perf 7420 - 7653
7653

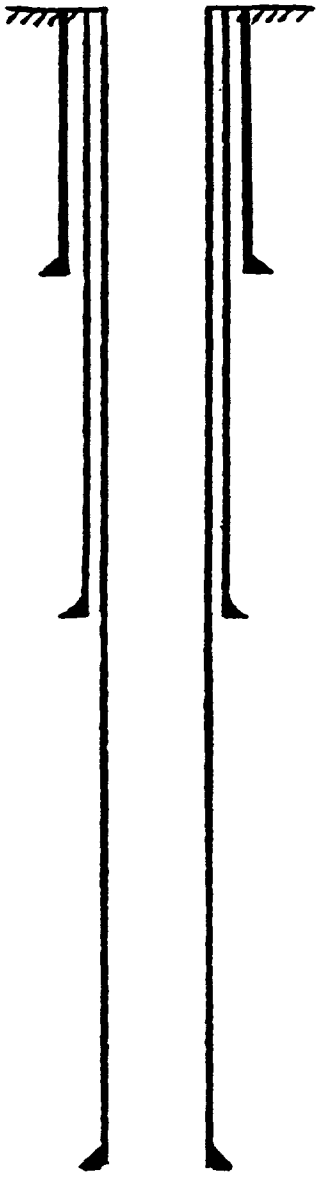
4 " casing set at 7750 ' with 510 sx of _____ cement
Total Depth 7750 ' Hole size _____ "

O.K.

OPERATOR			DATE
Texaco Exploration + Production			5-16-94
LEASE J. R. Phillips	WELL No. 11	LOCATION unit D	736' FNL + 739' FWL

Sec 6 - T20S - R37E

Active Monument McKee Ellenburger



13 3/8" casing set at 1050' with 1010 sx of _____ ceme.
Total Depth 1050' Hole size 17 1/2" Circulated

9 5/8" casing set at 5064' with 4000 sx of _____ cement
Hole size 12 1/4" DV @ 3640' both stages Circulated

perf 9490 - 9800
perf 9532 - 9738

5 1/2" casing set at 9814' with 1400 sx of _____ cemen
Total Depth 9814' Hole size 7 7/8" DV @ 7490'
1st Stage 750 sx circ
2nd Stage 650 sx TOC by TS @ 4590

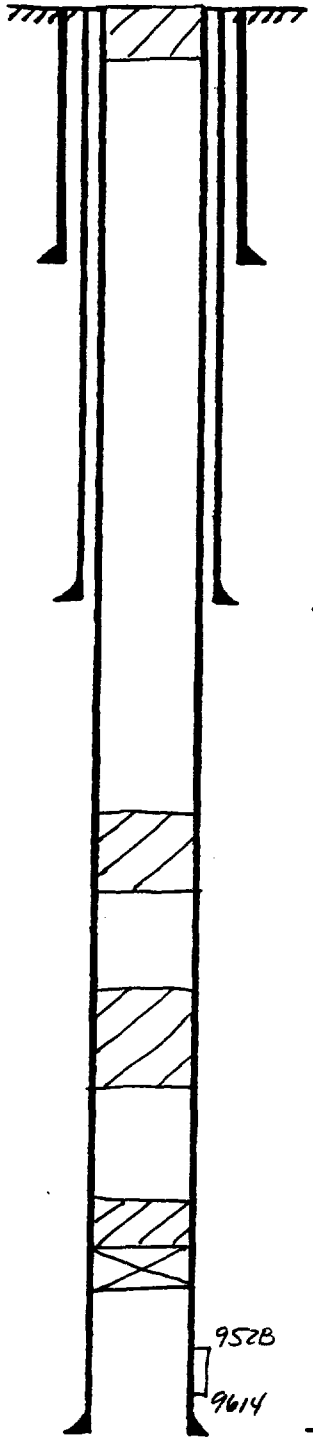
O-K (BJ)

OPERATOR			DATE
Arco			5-16-94
LEASE	WELL No.	LOCATION	
J. L. Phillips	8	Unit M	660' FSL & 942' FWL

Sec 31-T19S-R37E

P+A 8-26-71

Monument McKee-Ellenburg.



13 3/8 set @ 981' w/ 900 sx
17 1/2" hole size Circulated

9 5/8" casing set at 2950' with 1500 sx of _____ cement
Hole size 12 1/4" Circulated

CSG Leak @ 5778-6111 Sqz w/
750 sx
resqz w/ 50 sx

35 sx plug @ 5742-6110

35 sx plug @ 7652-8020

CIBP @ 9475' + 25' cmt

perf 9528-9614

5 1/2" casing set at 9899' with 972 sx of _____ cement

Total Depth 9899' Hole size 8 3/4" DV @ 5808

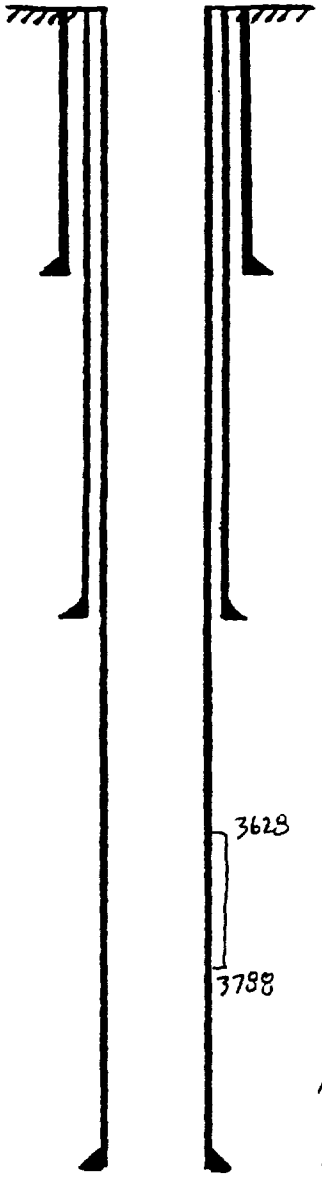
DV tool failed perf 5 1/2 @ 9818-20 Sqz w/ 500 sx TOC 6280'

2nd 500 sx TOC 6280'
1st 472 sx TOC 300'

OPERATOR			DATE
Amerada Hess Corporation			5-16-94
LEASE	WELL No.	LOCATION	
NMGSAU Blk 15	13	unit M	330' FSL + 330' FWL

Sec 31 - T19S - R37E

Active GRBG - SA



10 3/4" casing set at 250' with 300 sx of _____ cement

Total Depth 250' Hole size _____" Circulated

7 5/8" casing set at 2852' with 1100 sx of _____ cement

Hole size _____" TOC by TS @ 1240'

perf 3628 - 3739

3628 perf 3774 - 3798

perf 3773 - 3867 Sqz w/ 300 sx

3788 CIBP @ 5655 + 40' cmt TOC 5616'

perf 5695 - 5714

5 1/2" casing set at 5714' with 325 sx of _____ cement

Total Depth 5720' Hole size 6 1/4" TOC by Calc

@ 707' 50% efficiency

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TEXAS 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

CHEMICAL ANALYSIS OF WATER

Company : Warren Petroleum
City, St.: P.O. Box 67, Monument, NM 88261
Proj.Name: SWD Conversion
Location : Monument, NM
Sample 1 : Jimmy Cooper Residence

Date : 4/22/94
Lab #: H1625

PARAMETER	RESULT (mg/L) SAMPLE 1
pH	6.97
Spec. Gravity @ 4°C	1.0013
Bicarbonate	200
Total Hardness	212
Calcium as $CaCO_3$	168
Magnesium as $CaCO_3$	44
Sulfate	44.11
Chloride	22
Iron	0.05
Total Solids	390
Hydrogen Sulfide	0.0
Nitrate	1.28
Conductivity (uS/cm)	535.7

Michael R. Fowler

4-22-94
Date

Z 004 857 264

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Texaco Expl & Prod
Street and No.	205 E. Bender
P.O. State and ZIP Code	Hobbs NM 88240
Postage	$ 1.21
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	2.1
TOTAL Postage & Fees	$ 2.2
Postmark or Date	NM 88241 MAY 17 1994 USPS

PS Form 3800, March 1993

Z 004 857 263

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Chevron USA Inc
Street and No.	POB 1150
P.O. State and ZIP Code	Midland Texas 79702
Postage	$ 1.21
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	2.1
TOTAL Postage & Fees	$ 2.2
Postmark or Date	NM 88241 MAY 17 1994 USPS

PS Form 3800, March 1993

Z 004 857 262

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	Amerada Hess Corp
Street and No.	Drawer D
P.O. State and ZIP Code	Monument NM 88265
Postage	$ 1.21
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	2.1
TOTAL Postage & Fees	$ 2.2
Postmark or Date	NM 88241 MAY 17 1994 USPS

PS Form 3800, March 1993

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

I, Kathi Bearden

General Manager

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 _____

one weeks.

Beginning with the issue dated

May 20, 19 94

and ending with the issue dated

May 20, 19 94

Kathi Bearden

General Manager

Sworn and subscribed to before

me this 24 day of

May, 19 94

Marlene Perrin

Notary Public.

My Commission expires
March 15, 1997
(Seal)

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

LEGAL NOTICE
May 20, 1994

WARREN PETROLEUM COMPANY, whose address is 8201 South Hwy 322 MONUMENT, NEW MEXICO 88265, proposes to convert the following well for the purpose of disposing produced water from gas plant operations.

The well is the GRAHAM STATE (NCT - F) No. 7 located at 330' FSL and 1650' FEL of Sec. 36 - T190S - R36E, unit O, Lea County New Mexico. The injection interval is the San Andres at a depth of 4500' - 5000'. The maximum injection rate will be 5000 bbls/day, with 0 pressure.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, within 15 days.

Inquires regarding this application should be directed to Peak Consulting Services Attn. M. L. Pierce, P.O. Box 636, Hobbs, New Mexico 88240, (505) 392-1915.