

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

0+2

Form C-103  
Revised 10-1

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.  
E - 7723

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <b>CONVERT TO DISPOSAL WELL</b>		7. Unit Agreement Name
2. Name of Operator <b>PENROC OIL CORPORATION</b>		8. Farm or Lease Name <b>STATE "AF"</b>
3. Address of Operator <b>P.O. BOX 5970 HOBBS, NEW MEXICO 88241</b>		9. Well No. <b>3</b>
4. Location of Well UNIT LETTER <b>L</b> , <b>1980</b> FEET FROM THE <b>SOUTH</b> LINE AND <b>990</b> FEET FROM THE <b>WEST</b> LINE, SECTION <b>8</b> TOWNSHIP <b>18S</b> RANGE <b>35E</b> NMPM.		10. Field and Pool, or Wildcat <b>VACUUM WOLFCAMP EAST</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>3963 DF</b>		12. County <b>LEA</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <b>CONVERT TO DISPOSAL WELL</b> <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Propose to re-enter well and convert to disposal status
- 2) Rig up and acidize existing perfs. (9883 - 9927) with 2000 gallons 15% HCL + BS.
- 3) Run in hole with 2 7/8" plastic coated tubing, and 5 1/2" plastic coated Baker AD - 1 packer and set at 9700'.
- 4) Begin injection

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

**PENROC** EXHIBIT NO. **3**

CASE NO. **9297**

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *Philip J. MacLachlan* TITLE President DATE 12/21/87

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

PENROC OIL CORPORATION

STATE "AF" NO, 3

SECTION 8 - T18S - R35S UNIT LETTER K

1980' FSL & 990' FWL

TD 11956'

13 3/8" 48# set @ 360' with 400 sxs circulated

9 5/8" 36, & 40# set @ 3876' with 2300 sxs circulated

5 1/2" 17# set @ 10387' with 2440 sxs TOC 1780' TS

PBTD 10387'

perfs. 8714 - 8770 SQZD with 150 sxs - *Abo*

perfs. 9883 - 9927 TA'D - *wellcamp*

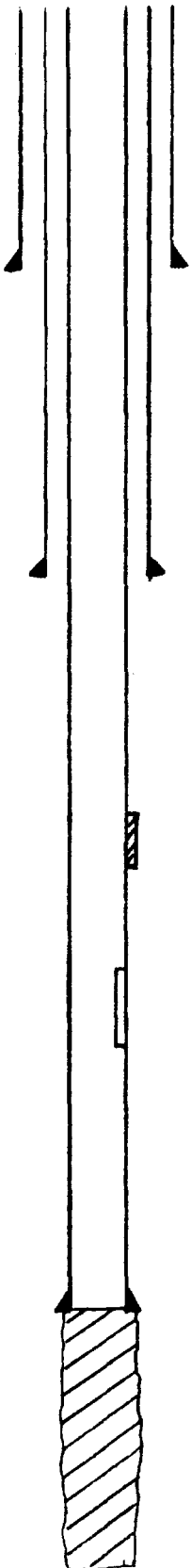
BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

*Penroc* EXHIBIT NO. 4

CASE NO. 9297

Penroc Oil Corporation  
State "AF" No. 3

Current Wellbore Sketch



13 3/8" 48# set @ 360' with 400 sxs  
circulated

9 5/8" 36,40# set @ 3876' with  
2300 sxs circulated

2 7/8" plastic coated tubing set @  
approx. 9700'

perfs. 8714 - 8770 SQZD with 150 sxs

5 1/2" plastic coated Baker AD - 1  
packer set @ approx. 9700'

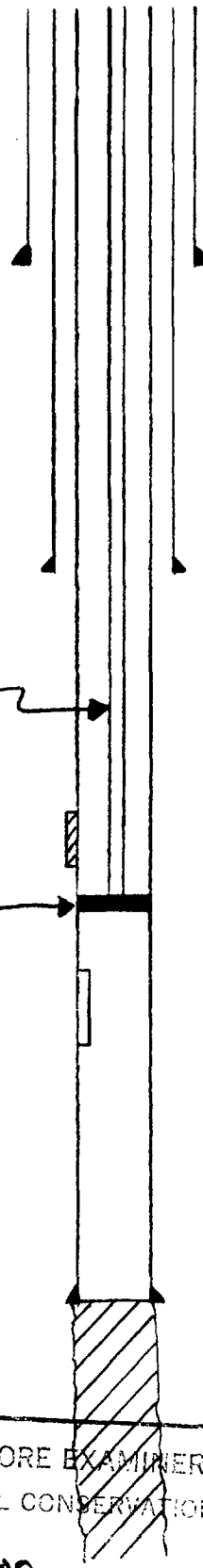
perfs. 9883 - 9927 TA'D

Proposed injection zone

5 1/2" 17# set @ 10,837' with  
2440 sxs TOC 1780' TS

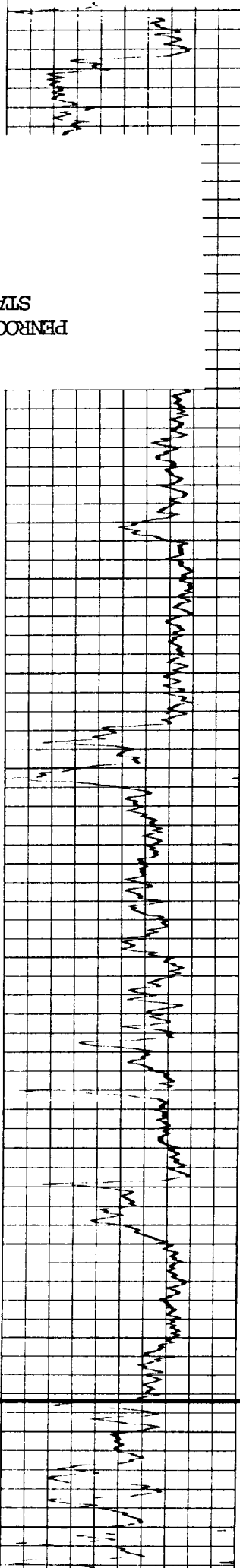
Td 11,956' Devonian

Proposed Wellbore Sketch



BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
Penroc	EXHIBIT NO. 5
CASE NO. 9297	

BEC  
 OF OIL FIELD  
 DIVISION  
 6  
 CASE NO. 9297



00201

00001

00066

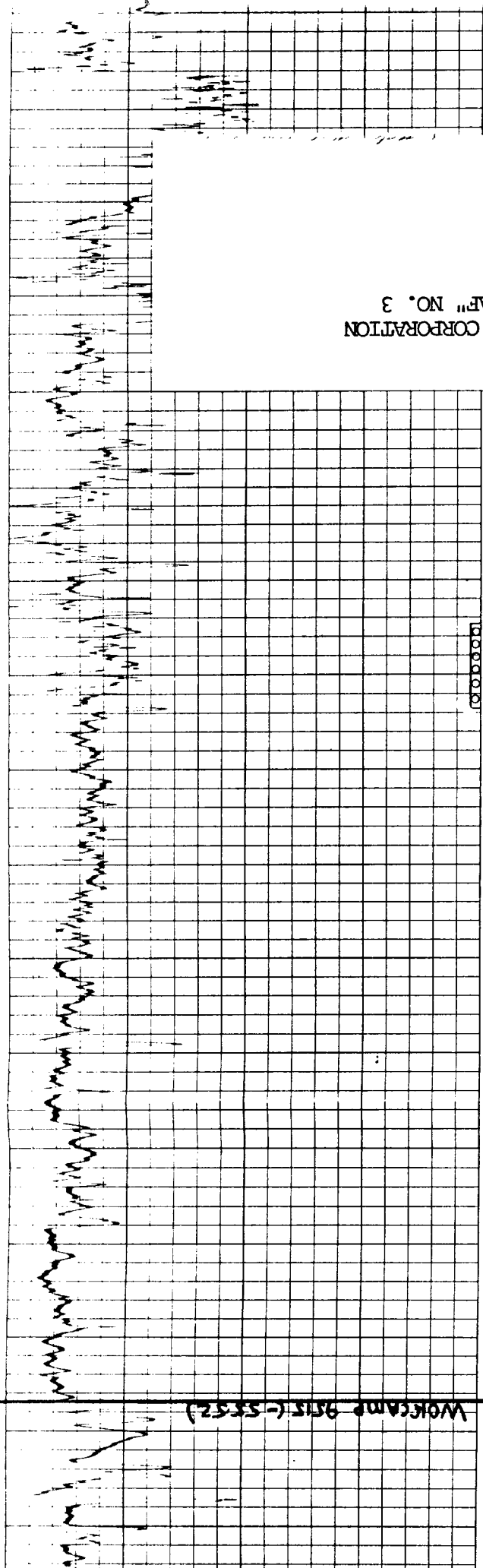
00066

00066

00066

00066

PENROC OIL CORPORATION  
 STATE "AF" NO. 3



WORKSHEET 9515 (C-5552)

ATTACHMENT TO FORM C-108

PART III A 1-4 Attached

- PART III B
- 1) The formation to be injected into is the Wolfcamp, in the Vacuum Wolfcamp, East Pool.
  - 2) The injection interval is 9883-9927, and is perforated.
  - 3) The well was drilled in 1964 as an oil well.
  - 4) Attached
  - 5) The next lower oil and/or gas zone is the Devonian at 11500-11600, the next upper zone is the Vacuum Abo Reef at 8700-9050.

- PART VII
- 1) Average daily rate will be 2000 BWPD with a maximum of 3000 BWPD.
  - 2) This will be a closed system.
  - 3) Average injection pressure will be 0 (Zero) with a maximum of 500 psi.
  - 4) The source of the water will be from the Devonian from PENROC OIL CORPORATION STATE "AF" NO. 1, located in unit letter M of Section 8, T18S, R35E. (Analysis attached)

PART VIII The proposed injection zone is the Wolfcamp, and the lithology is a clean limestone. The top of the Wolfcamp is approximately 9515 (-5552), and the injection zone is at 9883-9927. The only fresh water in the area is the Ogallala at 200-250 from surface and there is no fresh water known below the injection zone.

PART IX We plan to acidize the interval from 9883-9727 with 2000 gallons 15% HCL.

PART XII PENROC OIL CORPORATION has examined available geologic 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.

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<u>PENROC</u>	EXHIBIT NO. <u>2</u>
CASE NO. <u>9297</u>	

Attachment to Form C - 108

Penroc Oil Corporation

PENROC OIL CORPORATION

STATE "AF" NO. 1

SECTION 8 - T18S - R35E UNIT LETTER M

510' FSL & 660' FWL

13 3/8" 48# @ 385' with 400 sxs circulated

9 5/8" 36, & 40# @ 3970' with 2176 sxs circulated

7" 23,29, & 32# @ 11791' with 1700 sxs TOC 230' TS

perforations; 11513 - 11573

8707 - 8782

Active producer Mid Vacuum Devonian

PENROC OIL CORPORATION

STATE "AF" NO. 2

SECTION 8 - T18S - R35E UNIT LETTER O

330' FSL & 2130' FEL

13 3/8" 48# @ 408' with 400 sxs circulated

9 5/8" 40# @ 4015' with 3554 sxs circulated

7" N - 80 @ 11837' with 2000 sxs TOC 320' TS

perforations; 8937 - 9025, 9053 - 9080

Active producer Vacuum Abo Reef

ARCO OIL and GAS COMPANY

LEA 4011 STATE NO. 1

SECTION 8 - T18S - R35E UNIT LETTER N

330' FSL & 1650' FWL

13 3/8" 48# @ 415' with 400 sxs circulated

9 5/8" 36# @ 4000' with 2700 sxs circulated

7" 26# @ 12000' with 2600 sxs TOC 2650' TS

perforations; 11506 - 11586

8758 - 8785 SQZD with 150 sxs

8834 - 8856 SQZD WITH 150 sxs

Active producer Mid Vacuum Devonian

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION  
Penroc EXHIBIT NO. 8  
CASE NO. 9297

PHILLIPS PETROLEUM COMPANY  
VACUUM ABO UNIT BATTERY NO. 4 TR. 15  
SECTION 8 - T18S - R35E UNIT LETTER E  
330' FWL & 1650' FNL  
TD 9010' ABO

TEXACO PRODUCING COMPANY  
HOBBS "N" STATE NO. 6  
SECTION 8 - T18S - 35E UNIT LETTER G  
1980' FNL & 1980' FEL  
TD 9258' ABO

ENERGY RESERVES GROUP, INC.  
TP STATE NO. 2  
SECTION 8 - T18S - R35E UNIT LETTER J  
1980 FSL & 1980 FEL  
TD 5066' SAN ANDRES

ENERGY RESERVES GROUP, INC.  
TP STATE NO. 2 - Y  
SECTION 8 - T18S - R35E UNIT LETTER J  
1980'FSL & 1880' FEL  
TD 9156' ABO

TEXACO PRODUCING COMPANY  
STATE "AN" NO. 4  
SECTION 7 - T18S - R35E UNIT LETTER H  
1650' FNL & 990' FEL  
TD 9001' ABO

TEXACO PRODUCING COMPANY  
STATE "AN" NO. 7  
SECTION 7 - T18S - R35E UNIT LETTER I  
2310' FSL & 990' FEL  
TD 9022' ABO

*Section 10*

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Per Roc</i>	EXHIBIT NO. <u>9</u>
CASE NO. <u>9297</u>	

GETTY OIL COMPANY  
STATE "AN" NO. 8  
SECTION 7 - T18S - R35E UNIT LETTER P  
330' FSL & 330' FEL  
TD 11833 DEVONIAN

13 3/8" 35.5# set @ 340' with 350 sxs circulated  
9 5/8" 36# set @ 3458' with 1992 sxs circulated  
4 1/2" 11.6# set @ 11832' with 170 sxs  
2 7/8" 6.4# set @ 11037' with 1490 sxs TOC 5150' TS

perf. 4 1/2" csg. @ 11615 - 11660  
perf. 2 7/8" csg. @ 10936 - 10948, 10014 - 10058

Set CIBP in 2 7/8" @ 9986' + 9' cmt.  
Set CIBP in 4 1/2" @ 11400' + 20' cmt  
Shot and pulled 2 7/8", and 4 1/2" @ 5190'  
Set 25 sx plug across 2 7/8", and 4 1/2" csg. stubs  
Set 50 sx plug @ 9 5/8" csg. shoe (3340 - 3500)  
Set 10 sx plug @ surface  
P & A

GETTY OIL COMPANY  
STATE "AN" NO. 9  
SECTION 7 - T18S - R35E UNIT LETTER I  
1650' FSL & 330' FEL  
TD 11793 DEVONIAN

13 3/8" 36# set @ 344' with 350 sxs circulated  
8 5/8" 24, & 32# set @ 4857' with 3840 sxs TOC 500' TS  
5 1/2" 15.5, 17# set @ 11792' with 519 sxs TOC 5865' TS

perfs. 11501 - 11577

Set 25 plug @ 7190 - 6940  
Shot and pulled 5 1/2" csg @ 5940'  
Set 25 sx plug across 5 1/2" csg stub @ 5940'  
Set 25 sx plug @ 8 5/8" csg shoe (4775 - 4875)  
Set 50 sx plug @ 815 - 915  
Set 10 sx @ surface  
P & A

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

Pomroc EXHIBIT NO. 10

CASE NO. 9297

GETTY OIL COMPANY  
STATE "AN" NO. 8

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

Persec EXHIBIT NO. 11

CASE NO. 9297

Set 10 sx plug at surface

13 3/8" 35.5# set @ 340' with 350 sxs circ.

Set 50 sx plug at 9 5/8" csg shoe  
(3340 - 3500)

9 5/8" 36# set @ 3458' with 1992 sxs circ.

Set 25 sx plug across 2 7/8", and 4 1/2" csg stub  
Shot and pulled 2 7/8", and 4 1/2" csg @ 5190'

Set CIBP in 2 7/8" csg @ 9986' + 9' cement

Perf. 2 7/8" csg @ 10936 - 10948  
10014 - 10058

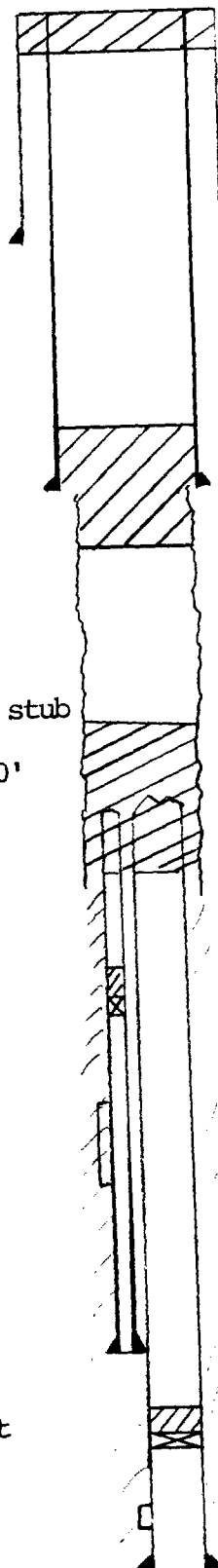
2 7/8" 6.4# set @ 11037' with 1490 sxs

Set CIBP in 4 1/2" csg @ 11400' + 20' cement

Perf. 4 1/2" csg @ 11615 - 11660

4 1/2" 11.6# set @ 11832' with 170 sxs

TD 11833'



GETTY OIL COMPANY  
STATE "AN" NO. 9

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

Per Roe EXHIBIT NO. 12

CASE NO. 9297

Set 10 sx @ surface

Set 50 sx plug @ 815 - 915

13 3/8" 36# set @ 344' with 350 sxs circ.

Set 25 sx plug @ 8 5/8" csg shoe (4775 - 4875)

8 5/8" 24, & 32# set @ 4857" with 3840 sxs  
TOC 500' TS

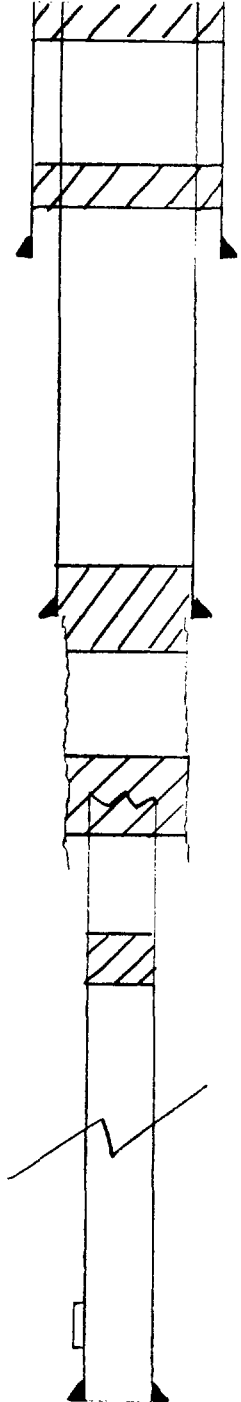
Set 25 sx plug @ 5 1/2" csg stub @ 5940'

Shot and pulled 5 1/2" csg @ 5940'

Set 25 sx plug @ 7190 - 6940

Perf. 11501 - 11577

5 1/2" 15.5, & 17# set @ 11792 with 519 sxs  
TOC 5865' TS



GETTY OIL COMPANY  
STATE "AN" NO. 10  
SECTION 7 - T18S - R35E UNIT LETTER P  
990' FSL & 990' FEL  
TD 9012' ABO

ARCO OIL AND GAS COMPANY  
LEA 403 STATE NO. 4  
SECTION 17 - T18S - R35E UNIT LETTER D  
510' FNL & 510' FWL  
TD 11897 DEVONIAN

13 3/8" 48# set @ 380' with 475 sxs circulated  
9 5/8" 36, & 40# set @ 4000' with 1700 sxs TOC 800' TS  
7" 23,26,29, & 32# set @ 11896' with 1050 sxs TOC 6400' TS

perf. 11652 - 11720

Set CIRP @ 9550 + 25 sxs cmt  
perf 8807 - 8882  
Producing Vacuum Abo Reef

BISHOP CANYON URANIUM CORPORATION  
HOOKIN BULL NO. 1  
SECTION 17 - T18S - R35E UNIT LETTER D  
660' FNL & 660' FWL  
TD 4530' SAN ANDRES

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
Pen Roc	EXHIBIT NO. 13
CASE NO.	9297

HALLIBURTON SERVICES  
MIDLAND DIVISION  
HOBBS, NEW MEXICO 88240  
LABORATORY WATER ANALYSIS

No. WS-87-243

To Mr. M. Y. Merchant

Date 12-12-87

PENROC

P. O. Box 5970

Hobbs NM 88240

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by M.Y. Merchant

Date Rec. 12-10-87

Well No. N.A. Depth N.A.

Formation \_\_\_\_\_

County Lea Co. NM Field Buckeye Area

Source water well / Devonian well

	water well	Devonian well	
Resistivity	3.41 @ 68°F	.09 @ 68°F	
Specific Gravity	1.002	1.066	
pH	7.2	7.6	
Calcium (Ca)	45	2150	*MPL
Magnesium (Mg)	30	330	
Chlorides (Cl)	950	55000	
Sulfates (SO <sub>4</sub> )	nil	heavy	
Bicarbonates (HCO <sub>3</sub> )	240	1284	
Soluble Iron (Fe)	nil	nil	

Remarks: water taken from wells in the same area for comparison purposes.

BEFORE EXAMINER CATANACH  
\*Milligrams per liter  
OIL CONSERVATION DIVISION

Penroc EXHIBIT NO. 14

C. R. Moore

*Charles Ray Moore*

CASE NO. 9297

Respectfully submitted,

Analyst: crm

HALLIBURTON COMPANY

cc:

By crm

CHEMIST

NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

P 728 609 432  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to <b>R.D. Lee</b>	
Street and No. <b>P.O. Box 363</b>	
P.O., State and ZIP Code <b>Livingston, NM 88260</b>	
Postage	\$ <b>.56</b>
Certified Fee	<b>.75</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>1.31</b>
Postmark or Date	

PS Form 3800, June 1985

BEFORE EXAMINER CATANACH  
 OIL CONSERVATION DIVISION

*Per Rec* EXHIBIT NO. **15**

CASE NO. **9297**

P 728 609 435  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to <b>Texaco</b>	
Street and No. <b>P.O. Box 728</b>	
P.O., State and ZIP Code <b>Hobbs, NM 88240</b>	
Postage	\$ <b>.56</b>
Certified Fee	<b>.75</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>1.31</b>
Postmark or Date	

PS Form 3800, June 1985

P 728 609 434  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to <b>Enron</b>	
Street and No. <b>P.O. Box 2267</b>	
P.O., State and ZIP Code <b>Midland, TX 79702</b>	
Postage	\$ <b>.56</b>
Certified Fee	<b>.75</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>1.31</b>
Postmark or Date	

PS Form 3800, June 1985

P 728 609 433  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to <b>Auto Oil + GAS</b>	
Street and No. <b>P.O. Box 1710</b>	
P.O., State and ZIP Code <b>Hobbs, NM 88240</b>	
Postage	\$ <b>.56</b>
Certified Fee	<b>.75</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>1.31</b>
Postmark or Date	

PS Form 3800, June 1985