

HINKLE, COX, EATON, COFFIELD & HENSLEY,
L.L.P.

ATTORNEYS AT LAW

218 MONTEZUMA POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504-2068
(505) 982-4554 FAX (505) 982-8623

LEWIS C. COX, JR. (1924-1993)
CLARENCE E. HINKLE (1901-1985)

OF COUNSEL
O. M. CALHOUN* JOE W. WOOD
RICHARD L. CAZZELL* RAY W. RICHARDS*

AUSTIN AFFILIATION
HOFFMAN & STEPHENS, P.C.
KENNETH R. HOFFMAN*
TOM D. STEPHENS*
RONALD C. SCHULTZ, JR.*
JOSE CANO*

THOMAS E. HOOD*
REBECCA NICHOLS JOHNSON
STANLEY K. KOTOVSKY, JR.
ELLEN S. CASEY
MARGARET CARTER LUDWIG
S. GARRY PAISNER
WYATT L. BROOKS*
DAVID M. RUSSELL*
ANDREW J. CLOUTIER
STEPHANIE LANDRY
KIRK E. MOELLING*
DIANE FISHER
JULIE P. NEERKEN
WILLIAM P. SLATTERY
CHRISTOPHER M. MOODY
JOHN D. PHILLIPS
EARL R. NORRIS
JAMES A. GILLESPIE
MARGARET R. MCNETT

GARY W. LARSON
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NORMAN D. EWART
DARREN T. GROCE*
MOLLY MCINTOSH
MARCIA B. LINCOLN
SCOTT A. SHUART*
PAUL G. NASON
AMY C. WRIGHT*
BRADLEY G. BISHOP*
KAROLYN KING NELSON
ELLEN T. LOUDERBOUGH
JAMES H. WOOD*
NANCY L. STRATTON
TIMOTHY R. BROWN
JAMES C. MARTIN

*NOT LICENSED IN NEW MEXICO

August 2, 1996

Via Hand Delivery

David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

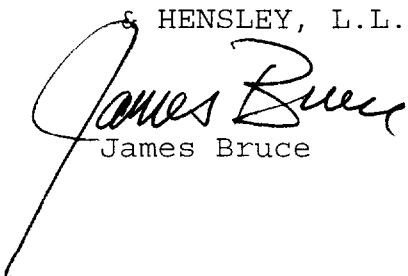
Re: Case No. 11579; Application of Pogo Producing Company
for a Pressure Maintenance Project, Lea County

Dear Mr. Catanach:

Enclosed are copies of the certified return receipts for the notice letter sent to all interested persons. Please include these as part of Exhibit 2, the notice affidavit submitted at the hearing. As a result of receiving these receipts, this case does not need to be re-advertised for the August 22 Examiner hearing.

Very truly yours,

HINKLE, COX, EATON, COFFIELD
& HENSLEY, L.L.P.


James Bruce

ocddc.1

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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

Consult postmaster for fee.

3. Article Addressed to:

Bureau of Land Management
1717 West Second Street
Roswell, New Mexico 88201

4a. Article Number

P 023 919 701

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

7/5/96

5. Signature (Addressee)

Becky Lopez

6. Signature (Agent)

Becky Lopez

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994 U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

This form must be completed at the PS and compared against the customer's receipt. DO NOT FURNISH THIS FORM TO CUSTOMERS

1b. For return receipt after mailing
ATTACH appropriate fee as shown in Section 932

SANTA FE NM

JUL 24 1996

Mailing post office postmark to indicate fee previously paid for item 2

6. Registered

SPS-8750

7. Certified No.

P02391970Z

10. Article Addressed To

OIL CONSERVATION DIVISION
P.O. Box 1980, HOBBS, N.M. 88240

POSTAL
RECORDS
SHOW
DELIVERY

11. To

12. Date of Delivery

13. Address (Complete only if requested)

14. Clerk's Initials

Do not process if Section 1b above is not completed.

REQUEST FOR RETURN RECEIPT (AFTER MAILING)

PS Form 3811-A, Aug. 1988



This form must be completed at the PS and compared against the customer's receipt. DO NOT FURNISH THIS FORM TO CUSTOMERS.

1b. For return receipt after mailing
ATTACH appropriate fee as shown in Section 932.2 of the DMM.

2. CUSTOMER:—Complete items 1 or 2 and 3 through 10 below.
Add your address in the "RETURN TO" space on reverse.

☐ 1^a AFTER MAILING: provide name of individual, company, or organization to whom delivered and date of delivery.
(Attach appropriate fee as shown in Section 932.2 of the DMM)

☐ 2^a DUPLICATE: provide name of individual, company or organization to whom delivered and date of delivery.

☐ 2^b DUPLICATE: provide name of individual, company, or organization to whom delivered, date of delivery, and place of delivery.

3. Mailing Date **7/10/96** 4. COD No. 5. Return Receipt for Merchandise No.

6. Registered No. 7. Certified No. **PO23 919703** 8. Insured No. 9. Express Mail No.

10. Article Addressed To
**YATES PETROLEUM CORPORATION
105 SOUTH FOURTH STREET, ARTESIA, N.M. 88210**

11. To **SIGNED JOANN GRIGGS
YATES PETROLEUM**

12. Date of Delivery **07-08-96**

13. Address (Complete only if requested)

14. Clerk's Initials **SS**

15. Postmark of Delivery Office
**ARTESIA NM 88210
JUL 24 1996**

POSTAL RECORDS SHOW DELIVERY

PS Form 3811-A, Aug. 1988 REQUEST FOR RETURN RECEIPT (AFTER MAILING)

This form must be completed at the PS and compared against the customer's receipt. DO NOT FURNISH THIS FORM TO CUSTOMERS.

1b. For return receipt after mailing
ATTACH appropriate fee as shown in Section 932.2 of the DMM.

2. CUSTOMER:—Complete items 1 or 2 and 3 through 10 below.
Add your address in the "RETURN TO" space on reverse.

☐ 1^a AFTER MAILING: provide name of individual, company, or organization to whom delivered and date of delivery.
(Attach appropriate fee as shown in Section 932.2 of the DMM)

☐ 2^a DUPLICATE: provide name of individual, company or organization to whom delivered and date of delivery.

☐ 2^b DUPLICATE: provide name of individual, company, or organization to whom delivered, date of delivery, and place of delivery.

3. Mailing Date **7/10/96** 4. COD No. 5. Return Receipt for Merchandise No.

6. Registered No. 7. Certified No. **PO23 913385** 8. Insured No. 9. Express Mail No.

10. Article Addressed To
**MERIDIAN OIL INC.
P.O. BOX 51810, MIDLAND, TEXAS 79701**

11. To

12. Date of Delivery

13. Address (Complete only if requested)

14. Clerk's Initials

15. Postmark of Delivery Office
DO NOT PROCESS IF SECTION 1b ABOVE IS NOT COMPLETED.

POSTAL RECORDS SHOW DELIVERY

PS Form 3811-A, Aug. 1988 REQUEST FOR RETURN RECEIPT (AFTER MAILING)



POGO PRODUCING COMPANY

OVERNIGHT MAIL

AUG - 1 1996

July 31, 1996

New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505
Attention: Mr. David R. Catanach

Re: S.E. Red Tank Prospect NM-607
Lea County, New Mexico
Case No. 11579 - Pressure Maintenance Project
Red Tank "26" Federal #1

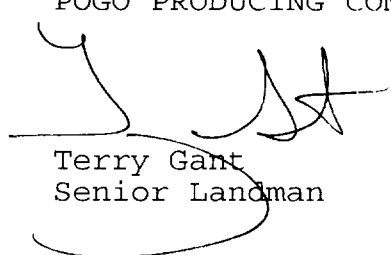
Gentlemen:

Pursuant to your request at the Case No. 11579 hearing, please note the attached Well Procedure and Wellbore Diagram for the subject well which denotes that the Cherry Canyon perforations (6,788'-6,796' and 6,846'-6,860') will be "isolated" by packers both above and below such perforations in connection with the proposed conversion of such well to an injection well. Note that such isolation packers will be installed prior to the running of the necessary casing integrity test.

If you should have any questions and/or need any additional information, please contact the undersigned.

Very truly yours,

POGO PRODUCING COMPANY


Terry Gant
Senior Landman

TG:lf/c:NMOCD.607

Attachments

cc: Hinkle, Cox, Eaton, Coffield and Hensley
218 Montezuma
Santa Fe, New Mexico 87504-2068
Attention: Mr. James Bruce

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF POGO PRODUCING COMPANY
FOR A PRESSURE MAINTENANCE PROJECT,
LEA COUNTY, NEW MEXICO

Case No. 11579

AFFIDAVIT REGARDING NOTICE

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) ss.

James Bruce, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am an attorney for Applicant.

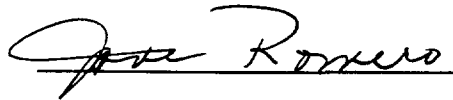
3. Applicant has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the Application filed herein.

4. Notice of the Application was provided to the interest owners at their correct addresses by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Exhibit A.

5. Applicant has complied with the notice provisions of Division Rule 1207.


James Bruce

SUBSCRIBED AND SWORN TO before me this 24th day of July, 1996, by James Bruce.


Notary Public

My Commission Expires:

9.1.99

NEW MEXICO
OIL CONSERVATION DIVISION
Pogo EXHIBIT 2
CASE NO. 11579

HINKLE, COX, EATON, COFFIELD & HENSLEY,
L.L.P.

ATTORNEYS AT LAW

218 MONTEZUMA POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504-2068
(505) 982-4554 FAX (505) 982-8623

LEWIS C. COX, JR. 888-8888
CLARENCE E. HENSLEY 888-8888

OF COUNSEL
D. M. CALHOUN* JOE W. WOOD
HOWARD L. CAZZELL* RAY W. RICHARDS*

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JOSE CANO*

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ELLEN S. CASEY
MARGARET CARTER LUDWIG
S. BARRY PARNER
WYATT L. BROOKS*
DAVID M. RUSSELL*
ANDREW J. CLOUTIER
STEPHANIE LAMORY
KURT E. MOELLING*
DANNE FISHER
JULIE P. NEEDEREN
WILLIAM P. SLATTERY
CHRISTOPHER H. MOODY*
JOHN D. PHILLIPS
EARL R. MORRIS
JAMES A. GALLISPIE
MARGARET R. HENNETT

GARY W. LARSON
LISA K. SMITH*
NORMAN D. EVART
DARRIN T. GROCE*
MOLLY MONTGOM
MARCO B. LINCOLN
SCOTT A. SHAW*
PAUL G. NASON
AMY C. WRIGHT*
BRADLEY G. BISHOP*
KAROLYN KING NELSON
ELLEN T. LOUGHERBOUGH
JAMES H. WOOD*
NANCY L. STRATTON
THOMAS R. BROWN
JAMES C. MARTIN

*NOT LICENSED IN NEW MEXICO

PAUL W. EATON
CONRAD E. COFFIELD
HOWARD L. HENSLEY, JR.
STUART D. SHANOR
ERIC D. LANPHERE
C. D. MARTIN
ROBERT P. TINKER, JR.
MARSHALL G. MARTIN
MASTON C. COURTNEY*
DON L. PATTERSON*
DOUGLAS L. LUNSFORD
NICHOLAS J. HODGINS
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
THOMAS J. HENRIE
NANCY S. CLISACK
JEFFREY L. FORMACIARI

JEFFREY D. HOWETT
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
WILLIAM F. COUNTRYSS*
MICHAEL J. CANON
ALBERT L. FITTS
THOMAS M. HENSAKO
JOHN C. CHAMBERS*
GARY D. COMPTON*
W. H. BRIAN, JR.*
RUSSELL J. BAILEY*
CHARLES R. WATSON, JR.*
STEVEN G. ARNOLD
THOMAS G. HANCKEL, JR.
GREGORY J. HENNETT
FRED W. SCHWENDMANN
JAMES M. HUDSON
JEFFREY S. BAIRD*

July 3, 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

Meridian Oil Inc.
P. O. Box 51810
Midland, Texas 79710

Bureau of Land Management
1717 West Second Street
Roswell, New Mexico 88201

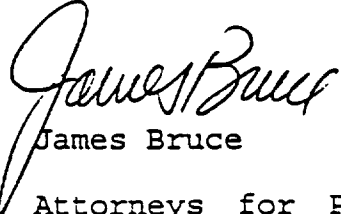
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Dear Sirs:

Enclosed is a copy of an application filed at the New Mexico Oil Conservation Division by Pogo Producing Company requesting approval of a pressure maintenance project for Federal Lease NM 86149, which covers the W½ of Section 26, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico. This application will be heard at 8:15 a.m. on Thursday, July 25, 1996 at the Division's office at 2040 South Pacheco Street, Santa Fe, New Mexico. Failure to appear at that time will preclude you from contesting this matter at a later date.

Very truly yours,

HINKLE, COX, EATON, COFFIELD
& HENSLEY, L.L.P.


James Bruce

Attorneys for Pogo Producing
Company

POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6810
FAX (505) 623-9332

POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691
FAX (915) 683-6518

POST OFFICE BOX 8238
AMARILLO, TEXAS 79105
(806) 372-5569
FAX (806) 372-9781

POST OFFICE BOX 2043
ALBUQUERQUE, NEW MEXICO 87103
(505) 768-1500
FAX (505) 768-1529

401 W. 15TH STREET, SUITE 800
AUSTIN, TEXAS 78701
(512) 476-7137
FAX (512) 476-5431

P 023 919 702



Receipt for Certified Mail

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

Sent to Oil Conservation Division	
Street and No. P. O. Box 1980	
P.O., State and ZIP Code Roswell, N.M. 88240	
Postage	\$1.01
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	1.10
TOTAL Postage & Fees	\$3.21
Postmark or Date	JUL 3 1998 USPS

PS Form 3800, June 1991

P 023 919 701



Receipt for Certified Mail

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

Sent to Bureau of Land Management	
Street and No. 1717 West Second Street	
P.O., State and ZIP Code Roswell, New Mexico 88201	
Postage	\$1.01
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	1.10
TOTAL Postage & Fees	\$3.21
Postmark or Date	JUL 3 1998 USPS

PS Form 3800, June 1991

P 023 913 385



Receipt for Certified Mail

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

Sent to Meridian Oil Inc.	
Street and No. P. O. Box 51810	
P.O., State and ZIP Code Midland, Texas 79700	
Postage	\$1.01
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	1.10
TOTAL Postage & Fees	\$3.21
Postmark or Date	JUL 3 1998 USPS

PS Form 3800, June 1991

P 023 919 703



Receipt for Certified Mail

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

Sent to Yates Petroleum Corporation	
Street and No. 105 South Fourth Street	
P.O., State and ZIP Code Artesia, New Mexico 88210	
Postage	\$1.01
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	1.10
TOTAL Postage & Fees	\$3.21
Postmark or Date	JUL 3 1998 USPS

PS Form 3800, June 1991

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: POGO PRODUCING COMPANY
Address: P.O. BOX 10340 MIDLAND, TX 79702
Contact party: RICHARD L. WRIGHT Phone: 915/682-6822
- 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: BILL F. HALEPOSKA

Title: AGENT (PC)

Signature: Bill Halepaska

Date: 7/1/86

NEW MEXICO
OIL CONSERVATION DIVISION

- * 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.

Pogo EXHIBIT 6
CASE NO. 11579

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.

COPIES SENT

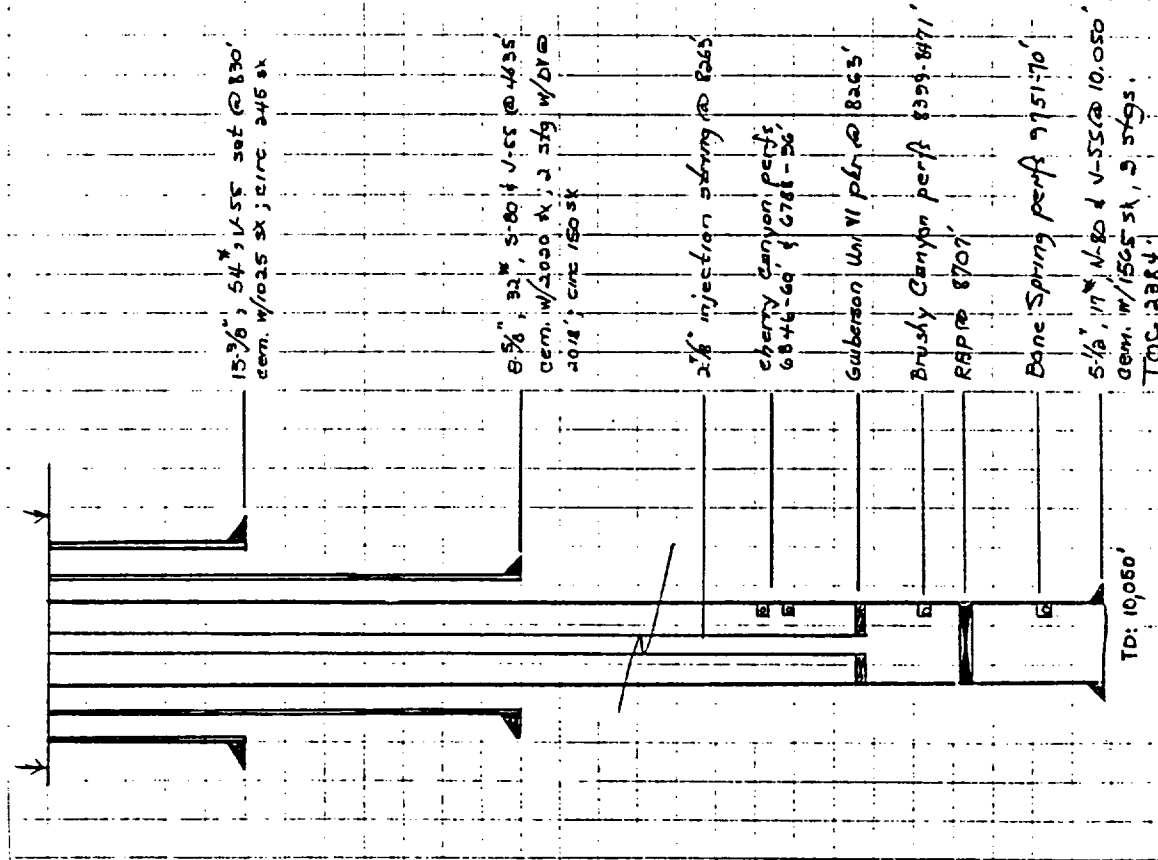
TO THE OIL CONSERVATION DIVISION

EXHIBIT

07/20/80

INJECTION WELL DATA SHEET

SCHEMATIC



TABULAR DATA

- (1). LEASE: Red Tank 26 Federal WELL # 1
 LOCATION: Sec. 26 TWP 22-3 Range 32-E
 County Lea
 Footage 1880' FS # WL
- (2). CASING STRINGS:
 Surface Casing
 Size 15 3/8" Depth 830' Cemented w/ 1025 ex.
 TOC Surf Determined by Circ 246 ex
 Hole size 17 1/2"
- Intermediate Casing
 Size 8 5/8" Depth 4635' Cemented w/ 1025 ex.
 TOC Surf Determined by Circ 150 ex
 Hole size 11"
- Long String
 Size 5 1/2" Depth 10,050' Cemented w/ 1565 ex.
 TOC 2384' Determined by QBL
 Hole size 7 3/8"
- Injection interval, from 8399' to 8471' Ft.
- (3). INJECTION TUBING STRING:
 Size 2 1/8" in., coated/lined with ---
 Setting depth 8263' Ft.
- (4) INJECTION PACKER:
 Size 5 1/2" in.; Make/Model Gulberson Uni VI
 Setting depth 8263' Ft.

ITEM 111-8

INJECTION WELL DATA

- (1). Injection formation: Delaware, Brushy Canyon
Field/Pool: West Red Tank Delaware
- (2). Injection interval, from 8399 ft. to 8471 ft.
Perforated X Open Hole _____
- (3). Original purpose well drilled -- producing well in field & Bone Spring test
- (4). Other perforated intervals; X Yes _____ No
Squeezed with — sx., or isolated by RBP @ 8707' over lower perfs & pkr @ 8263' isolating from upper perfs.
- (5). Oil or gas productive zone(s):
Next higher: Cherry Cr. 6800'
Next lower: none

WELL DATA - AREA OF REVIEW

(1). Location: 1980' FNL & 56' ECL Sec 26 T-22-S R-32-E Leas Co.
 Operator: Culbertson & Irwin Lease: Culbertson Well # 1
 Well type: Oil Gas D & A X Depth: 4977'
 Date Drilled: 11-21-44 Date Completed: 4-16-45
 Completion Data: TD 3515' in 4 1/2" & 1/2" to 3 1/2" wtr. attempt
to run 5 1/2" - UNSUCCESSFUL - 1" TD 3607' - run 7"
ca. cmt w/300 SX. Drill to TD 4977' D & A.
Sundry notice attached.

(2). Location: 500' FSL & 2310' FWL Sec 26 T-22-S R-32-E Leas Co.
 Operator: POGO Lease: Red Tank 26 Fee Well # 8
 Well type: Oil Gas X D & A Depth: 6600'
 Date Drilled: 7-23-95 Date Completed: 8-14-95
 Completion Data: 8 5/8" @ 807' w/575 SX, circ 150 SX, 5 1/2" @
6600' w/2350 SX, circ 200 SX, perf 49' 6472-96';
A/1000' gnl F/49' 400 GW + 29' 460' 16-30 sd. Pot 70' 20'
+ 252 BW & 45 MCEG. Sol RST 5200'; perf 4900-21';
A/1000' gnl F/49' 500 MCEG

(3). Location: 990' FSL & 330' FWL Sec 26 T-22-S R-32-E Leas Co.
 Operator: POGO Lease: RT 26 Fee Well # 5
 Well type: Oil X Gas D & A Depth: 8770'
 Date Drilled: 1-6-95 Date Completed: 2-6-95
 Completion Data: 13 3/8" @ 812' w/950 SX, circ 250 SX, 8 5/8" @
4564' w/1600 SX, circ 250 SX, 5 1/2" @ 8770' w/1106 SX,
TCC 3610'; perf 8400-26' A/1000' gnl 7 1/2" HCL,
F/58,000 gnl GW + 102,100' 20-40 sd. Pot 220
BOPD + 122 BW & 127 MCE

(4). Location: 2310' FSL & 330' FWL Sec 26 T-22-S R-32-E Leas Co.
 Operator: POGO Lease: RT 26 Fee Well # 4
 Well type: Oil X Gas D & A Depth: 8777'
 Date Drilled: 3/04/94 Date Completed: 4-18-94
 Completion Data: 13 3/8" @ 665' w/800 SX, circ 150 SX, 8 5/8" @
4580' w/1150 SX, circ 250 SX, 5 1/2" @ 8777' w/
1170 SX, TCC 4030; perf 8453-8530'. A/1200
gnl 7 1/2" HCL. F/51,200' 20' GW + 46800'
30-45 sd; Pot 520' BOPD + 110 BW & 563 MCE

WELL DATA - AREA OF REVIEW

(5). Location: 1930' ENL + 330' FWL Sec 26 T-22-S, R-32-E, Lea Co.
 Operator: Pogo Lease: Red Tr 26 Red Well # 3
 Well type: Oil X Gas D & A Depth: 8801'
 Date Drilled: 4-12-94 Date Completed: 5-16-94
 Completion Data: 13-3/8" @ 881' w/800 SX circ 7-9/8" @ 4455' w/100 SX;
5-1/2" @ 8801' w/1200 SX, TOL 2030'; Perf 8582-8413'
2 USAF; A/1000 = 7 1/2% HCl/Pentol 100' + BS 45" @ 1000
941 7 1/2% HCl/Pentol 100' + BS 5146.000 XLGW + 37,130 *
20/40 sd

(6). Location: 1650' ENL + WCL Sec 26 T-22-S, R-32-E, Lea Co.
 Operator: Pogo Lease: Red Tr 26 Red Well # 7
 Well type: Oil X Gas D & A Depth: 8785'
 Date Drilled: 1-22-95 Date Completed: 2-18-95
 Completion Data: 13-3/8" @ 800' w/950 SX circ 200 SX; 8-9/8" @
4575' w/1700 SX circ 243 SX 5-1/2" @ 8785' w/1100 SX;
TOL 3570'; Perf 8432-72'; A/1000 92/s 7 1/2%
HCl/Pentol 100' + BS 5155.400 93/s GW + 72,540 *
2040 SA 1 PA 340 ROPD + 3193W + 175 MCRG

(7). Location: 1930' FSL + 660' FEL Sec 27 T-22-S, R-32-E, Lea Co.
 Operator: Pogo Lease: Prize Red Well # 3
 Well type: Oil X Gas D & A Depth: 8855'
 Date Drilled: 11-6-93 Date Completed: 12-2-93
 Completion Data: 13-3/8" @ 815' w/1000 SX circ 250 8-9/8" @
4537' w/1800 SX circ 280 SX; 5-1/2" @ 8855' w/1425
SX TOL 2240'; Perf 8362-2402'; A/1000 92/s
15% HCl F/50390 92/s XLGW + 42,000 * 60-40 sd
POL 150 RZ + 50' RW + 177 MCRG ROPD 5300' Perf
7942-72 (60) A/1000 - 7 1/2% HCl + BS F/58400 GW
+ 67,000 * 20-40 sd; Test 91 ROPD + 188 RW + 46 MCRG

(). Location: _____
 Operator: _____ Lease: _____ Well # _____
 Well type: Oil _____ Gas _____ D & A _____ Depth: _____
 Date Drilled: _____ Date Completed: _____
 Completion Data: _____

ITEM VII

OPERATIONAL DATA

(1). Average expected injection rate: 500 ^{MCF}~~BWP~~; maximum anticipated rate: 500 ^{MCF}~~BWP~~

(2). Closed system

(3). Estimated average injection pressure: 1680 psi.

Estimated maximum pressure: 1680 psi.

(4). Source of injection ^{gas}~~water~~: Bell Canyon zone 4900-21'
in the Pogo - Red Tank 26 Fed. No. 8

Analysis of ^{gas}~~water~~ attached.

(5). Analysis of injection zone ^{gas}~~water~~ attached.

Data source: Red Tank 26 Fed #1

ITEM VIII

GEOLOGICAL DATA

INJECTION ZONE

Lithological description: sandstone, lt. gray, fine to v. fine
grained, poorly consol., silty, poor calc. cont.Geological name: Brushy Canyon (Delaware)Zone thickness: 72 ft.; Depth: 8399 ft.

FRESH WATER SOURCES

Geological name: NA

Depth to bottom of zone: _____ ft.

ITEM IX

STIMULATION PROGRAM (Proposed)

ACIDIZE:

Volume: 2000 Type acid: 7 1/2 % HCl + Perfo 100Rate: 9 BPM; Misc. 10 g RCA/BS; good action

FRACTURE:

Fluid volume: 55,000 gal.; Type: XL GWProp type: 20-40 sct. Volume (#): 68,380Rate: 30.8 BPM; Conductor: 5 1/2 in.

Misc. _____

ITEM X

LOGGING PROGRAMLogging program included: GR-Induction SFL & CNIPCopy of CNP log included in attachments

ITEM XI

FRESH WATER ANALYSIS NA

Fresh water well within 1 mile radius; _____ Yes _____ No

Chemical analysis from well(s) located: _____

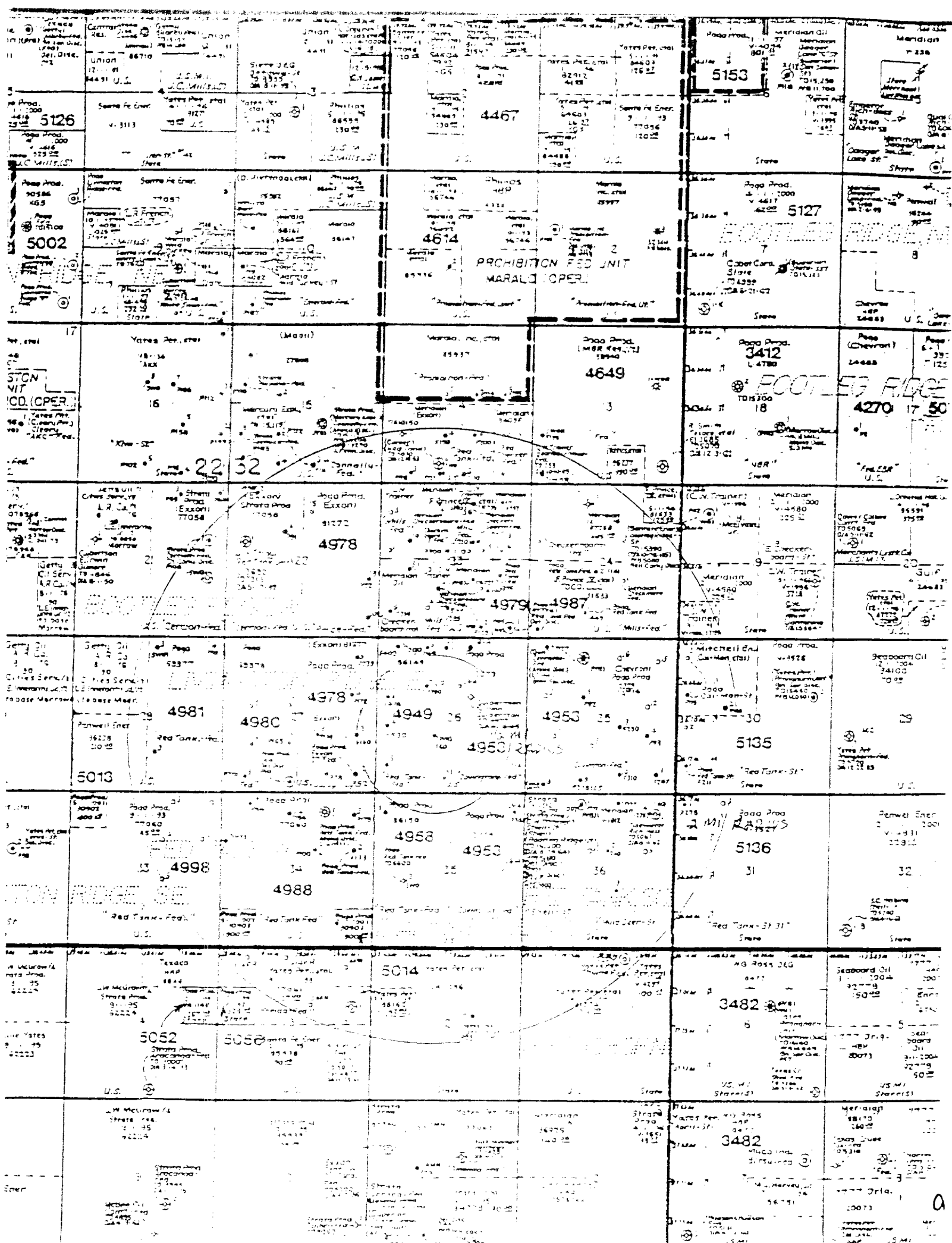
Date sampled: _____

Chemical analysis from well(s) located: _____

Date sampled: _____

ITEM XII

HYDROLOGYNA



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYL. C.
Land Office
Lease No. 061775
Unit Culbertson

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 16

19 45

Well No. 1 is located 1280 ft. from N line and 1980 ft. from E line of sec. 26
SW of NE Sec. 26 22S 32E N. M. P. M.
(4 Sec. and Sec. No.) (Twp.) (Range) (Mendian)
Wildcat Lea New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Confirming verbal conversation of 4-16-45.
Propose to start plugging this well on April 17, as follows:
From 4977 T.D. to 4830 with 30 sacks cement, mud to 3625,
From 3625 to 3595 with 10 sacks cement, mud to where 7" casing
is parted, 10 sacks cement in top of 7" casing stub, mud to 1320,
from 1320 to 1290 with 10 sacks cement. Marker will be set with
cement at top. Location will be cleaned and leveled.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Culbertson & Irwin Inc.
Address Box 398
Artesia, New Mexico
By Forrest Warren
Title Agent



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pogo Producing Company
Attention: Mr. Richard Wright
P. O. Box 10340
Midland, Texas 79702

SAMPLE
IDENTIFICATION: RT 26 Fed. #8
COMPANY: Pogo Producing Co.
LEASE:
PLANT:

SAMPLE DATA:	DATE SAMPLED:	05-02-96	GAS (XX)	LIQUID ()
	ANALYSIS DATE:	05-03-96	SAMPLED BY:	Rolland Perry
	PRESSURE - PSIG	1380.00	ANALYSIS BY:	Vickie Walker
	SAMPLE TEMP. °F			
	ATMOS. TEMP. °F	85.00		

REMARKS: H₂S = 0

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	
Hydrogen Sulfide	(H ₂ S)	0.00		
Nitrogen	(N ₂)	47.00		
Carbon Dioxide	(CO ₂)	0.00		
Methane	(C ₁)	40.21		
Ethane	(C ₂)	7.48	1.996	
Propane	(C ₃)	3.47	0.954	
I-Butane	(IC ₄)	0.33	0.108	
N-Butane	(NC ₄)	0.78	0.246	
I-Pentane	(IC ₅)	0.18	0.065	
N-Pentane	(NC ₅)	0.17	0.060	
Hexane Plus	(C ₆ +)	0.38	0.156	
		100.00	3.585	
BTU/CU.FT. - DRY		694	MOLECULAR WT.	24.6172
AT 14.650 DRY		692		
AT 14.650 WET		680		
AT 14.73 DRY		696		
AT 14.73 WET		683		
SPECIFIC GRAVITY -				
CALCULATED		0.850		
MEASURED				



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pogo Producing Company
Attention: Mr. Richard Wright
P. O. Box 10340
Midland, Texas 79702

SAMPLE
IDENTIFICATION: RT 26 Fed. #1
COMPANY: Pogo Producing Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 05-02-96 10:05 AM GAS (XX) LIQUID ()
ANALYSIS DATE: 05-03-96 SAMPLED BY: Rolland Perry
PRESSURE - PSIG 80.00 ANALYSIS BY: Vickie Walker
SAMPLE TEMP. °F
ATMOS. TEMP. °F 85.00
REMARKS: H2S = 0

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM	
Hydrogen Sulfide (H2S)	0.00		
Nitrogen (N2)	16.60		
Carbon Dioxide (CO2)	0.03		
Methane (C1)	63.35		
Ethane (C2)	10.07	2.687	
Propane (C3)	5.87	1.614	
I-Butane (IC4)	0.69	0.225	
N-Butane (NC4)	1.79	0.563	
I-Pentane (IC5)	0.47	0.172	
N-Pentane (NC5)	0.47	0.171	
Hexane Plus (C6+)	0.66	0.271	
	100.00	5.703	
BTU/CU.FT. - DRY	1116	MOLECULAR WT.	23.1302
AT 14.650 DRY	1112		
AT 14.650 WET	1093		
AT 14.73 DRY	1118		
AT 14.73 WET	1099		
SPECIFIC GRAVITY - CALCULATED	0.799		
MEASURED			

COMPANY: POGO PRODUCING CO.
WELL: RED TANK "26" FEDERAL NO. 1
FIELD: UNDES. RED TANK BONE SPRING
COUNTY LEA STATE NEW MEXICO

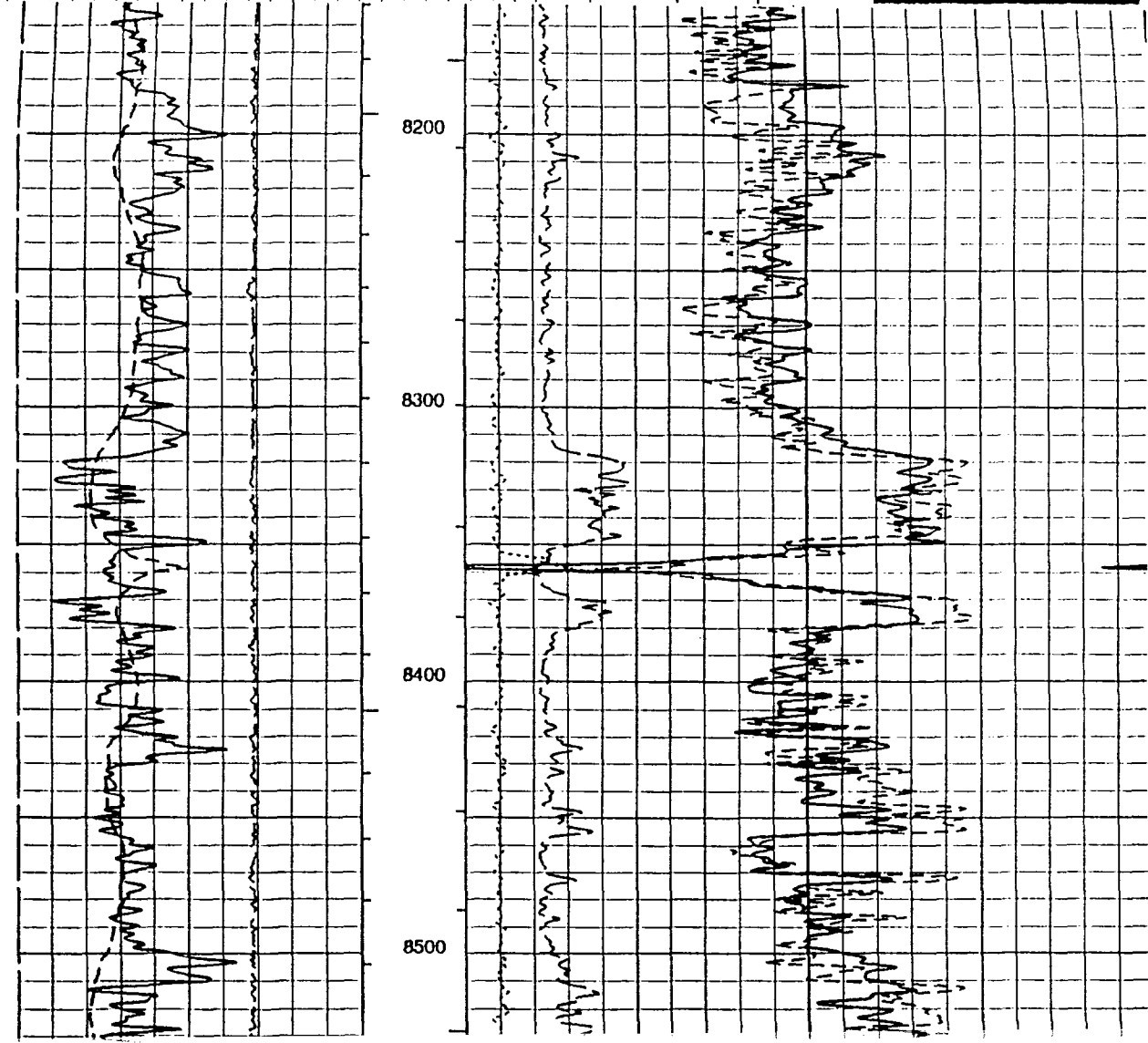
COUNTY LEA
 Field: UNDES. RED TANK BONE SPR
 Location: 1880' FSL & 1880' FWL
 Well: RED TANK "26" FEDERAL NO.
 Company: POGO PRODUCING CO.

LOCATION	
1880' FSL & 1880' FWL	Elev: K.B. 3723 F G.L. 3708 F D.F. 3722 F
Permanent Datum: GROUND LEVEL	Elev: 3708 F
Log Measured From: K.B.	15.0 F above Perm. Datum
Drilling Measured From: K.B.	

API Serial No.	SECTION	TOWNSHIP	RANGE
N/A	26	22-S	32-E

Logging Date: APRIL 24, 1993

Run Number	1
Depth Driller	10050 F
Schlumberger Depth	10054 F
Bottom Log Interval	10021 F
Top Log Interval	200 F
Casing Driller Size @ Depth	8.625 IN @ 4635 F
Casing Schlumberger	4634 F
Bt. Size	7.875 IN
Type Fluid In Hole	FRESH WATER
Density	8.4 LB/G
Viscosity	28 S
Fluid Loss	PH 10
Source Of Sample	MEAS
FM @ Measured Temperature	3.450 OHMM @ 72 DEGF
FMF @ Measured Temperature	3.450 OHMM @ 72 DEGF
FMF @ Measured Temperature	@
Source FMF	CALC.
FM @ BHT	1.944 @ 133 1.944 @ 133
Maximum Recorded BHT	133 DEGF 133
Circulation Stopped	APRIL 24, 1993 12:30
Logger On Bottom	APRIL 24, 1993 SEE LOG
Unit Number	2033
Recorded By	CHRIS DAVIS
Witnessed By	GARLAND LAMB



RED TANK 26 FEDERAL NO. 1
Convert to Injection

Eng Data: TD 10,050' PBTD 10,004', RBP 8707' & 8000', Perfs 9751'-70' (19'-38 holes), 8399'-8471' (72' - 72 holes), 6788'-96' (8'-16 holes), 6846'-60' (14'-28 holes)
GL 3708', KB 15'

Csg Data:	Surf - 1042.98'	5-1/2", 17#, N-80, LT&C
	1042.98' - 6001.59'	5-1/2", 17#, J-55, LT&C
	6001.59' - 6003.76'	DV Tool
	6003.76' - 7833.34'	5-1/2", 17#, J-55, LT&C
	7833.34' - 7835.51'	DV Tool
	7835.51' - 8080.88'	5-1/2", 17#, J-55, LT&C
	8080.88' - 10,004.15'	5-1/2", 17#, N-80, LT&C
	10,004.15'	Float Collar

Tbg Data: 225 jts, 2-7/8", 6.5#, N-80, 8rd Eve SN @ 6895'

TAC: Set @ 6706' w/ 10 pts tension. EOMH @ 6978'.

Rods: 88 - 1-1/4" FG
85 - 7/8" Steel
55- 1" Steel
1 - 26K Shear tool
1 - 1" Steel

Pump: 1 - 2-1/2" x 1-1/2" x 26'

Procedure:

1. MIRU pulling unit. POOH & lay down pump & rods. NDWH. NU BOP.
2. Release TAC & lower tbg to check for fill. POOH.
3. RIH w/ retrieving head. Wash sand off RBP @ 8000'. Latch onto RBP & POOH.
4. RIH w/ isolation packers on 2-7/8" tubing. Set bottom packer @ 8263'. Set top packer @ 6700'.
5. Circulate annulus w/ packer fluid. Test annulus to 500 psi. Notify NMOCD prior to test.
6. NU injection tree. RD pulling unit. Put well on injection.