YATES PETROLEUM CORPORATION
207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1331

June 20, 1986

Bogle Farms, Inc.
Box 358
Dexter, New Mexico 88230

ATTN: Mr. Bill Bogle

RE: Bogle Farms AEC No. 1
330' FSL & 330' FEL
Sec.13,T.11S.,R.34E.
Lea County, New Mexico

Dear Mr. Bogle:

As you know, Yates Petroleum Corporation is proposing to re-enter the referenced well for water disposal purposes. Current plans also include some testing for possible oil production. Details of the proposed operation are contained in the accompanying copy of our application to the New Mexico Oil Conservation Division for water disposal.

Thank you again for your cooperation. If you have any comments or questions, please call me or Cy Cowan at (505)748-1471.

Sincerely,

Albert R Stall

Albert Ray Stall
Engineer

xc: Mr. Clyde Derrick
Bogle Farms, Inc.
P.O. Box 398
Tatum, New Mexico 88267

N.M.O.C.D.-Santa Fe
N.M.O.C.D.-Hobbs

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

I, _____

Robert L. Summers

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 in a supplement thereof for a period

of _____

Two days weeks

Beginning with the issue dated

June 16, 19 86

and ending with the issue dated

June 17, 19 86

Robert L. Summers
Publisher.

Sworn and subscribed to before me this 17 day of June, 19 86

Vera Murphy
Notary Public.

My Commission expires

Nov. 14, 19 88
(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.

29 **LEGAL NOTICE**
June 16, 17, 1986
NOTICE

Notice is hereby given to all interested parties that Yates Petroleum Corporation, 105 South Fourth Street, Artesia, new Mexico 88210, Telephone (505) 748-1471, plans to dispose of produced water to the Bogle Farms AEC Well No. 1 located 330 feet from the South line and 330 feet from the East line of Sec. 13, T.11S.,R.34E., Lea County, New Mexico. The disposal interval will be in the Devonian formation from 13360 feet to 13500 feet. Maximum injection rate and pressure are expected to be 5000 barrels per day and 2670 PSI, respectively. Comments or inquiries should be directed to Albert R. Stall at the above address or telephone number. Formal objections or requests for hearing must be filed with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within 15 days.

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

BOGLE FARMS "AEC" #1

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

II. Operator: Yates Petroleum Corporation

Address: 105 South Fourth Street, Artesia, New Mexico 88210

Contact party: Albert R. Stall Phone: (505) 748-1471

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: Albert R. Stall Title Engineer

Signature: Albert R Stall Date: 6-20-86

* 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. Subject well logs were submitted to NMOCD Hobbs District Office.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

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 8750.. 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.

FORM C-108 Supplement

Bogle Farms "AEC" #1

I. Purpose:

To re-enter this well and deepen from original TD of 13396' to a new TD of 13500', run 5 1/2" casing to TD, and complete in the Devonian formation as a water disposal well. Before completing as a Devonian disposal well, the Bough A and Bough B interval 10035-10086' and the Cisco interval 10240-10462' will be selectively perforated and acidized and tested for possible oil production. These zones will be cement squeezed, drilled out, and pressure tested before commencing disposal operations in the Devonian.

II. The Operator is Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Attn: Albert R. Stall

III. Well Data:

See attached well data sheet.

V. Lease ownership map attached (Midland Map Co.) with a scale of: 1" = 2000'.
Well and lease information posted through April 19, 1986. Map has a two-mile radius circle and a one-half mile radius circle around the subject well.

VI. There are no wells within the are of review, as shown on the attached map.

VII. Data on proposed operations:

(1). The proposed average rate of injection is 1000 barrels per day, and the estimated maximum is 5000 barrels per day. The estimated total volume of fluid to be injected is 18.25 x 10^6 bbls.

(2). The system will be closed.

(3). The average injection pressure will be 0 to 2670 PSIG.

(4). The source of injection fluid will be produced water from the following wells:

a. Lone Star "AAI" St. #1
1980' FSL & 1980' FWL
Sec.19,T.11S.,R.35E.
Permo Penn Formation--9998-10395'
See attached analysis.

b. Internorth "ADG" St. #1
660' FNL & 660' FEL
Sec.25,T.11S.,R.34E.
Bough A & Bough B Formations--10024-10421'
See attached analysis.

c. East Bagley Unit #1
1980' FNL & 1980' FEL
Sec.6,T.12S.,R.34E.
Penn Formation--9956-9993'
See attached analysis.

(5). Chlorides in the water produced by the above-mentioned wells range from 55,437 to 62,514 parts per million. A water sample from the proposed injection zone in the subject well is not available, but chlorides are expected to be in a range compatible with the produced water. Chlorides measured in a drill stem test sample taken from the Sand Springs Devonian interval in the nearby Petroleum Reserves Corp. Tenneco State No. 1 well in Unit P Sec.2,T.11S.,R.34E. were 45,000 parts per million. Chlorides in the Bagley Siluro-Devonian Field are reported as 24,500 parts per million in the Roswell Geological Society's "1956 Symposium of Oil and Gas Fields in Southeastern New Mexico."

The proposed injection zone is not included within the vertical limits of any established pool.

VIII. Geological data:

Injection zone: 13360-13500'

Devonian
100% Dolomite: Light tan to white, fine to coarse crystalline, slightly siliceous.
Contains excellent vuggy and intercrystalline porosity.
There may be a nonpermeable, finely crystalline limestone layer at the top of the Devonian or within the Dolomite.

The underground source of drinking water in this area is Ogollala formation of Tertiary age, the base of which is estimated at 100' at the location of the proposed disposal well. There are no other probable fresh water aquifers in this area.

IX. The planned completion program is to selectively perforate and stimulate with acid within the proposed injection interval 13360-13500'.

X. Electric logs have been submitted to the NMOCD, Hobbs District Office by the original operator, Earl T. Smith and Associates. Copies of new logs run by Yates Petroleum Corporation will also be filed with the NMOCD Hobbs District Office.

XI. The New Mexico State Engineer records show seven water well locations within a one-mile radius of the subject well. Locations are given on the next page. During a joint field reconnaissance by representatives of surface landowner, Bogle Farms, and Yates Petroleum only one of the wells could be found. This well, located in Unit L Sec.24,T.11S.,R.34E., is capped.

LOCATION

Unit L Sec.24,T.11S.,R.34E.
Unit I Sec.18,T.11S.,R.35E.
Unit J Sec.18,T.11S.,R.35E.
Unit J Sec.18,T.11S.,R.35E.
Unit M Sec.18,T.11S.,R.35E.
Unit O Sec.18,T.11S.,R.35E.
Unit B Sec.19,T.11S.,R.35E.

XII. Available geological and engineering data have been examined and no evidence of open faults or any other hydrologic connections between the disposal zone and any underground fresh water aquifers have been found.

XIII. All mineral interests within the area of review are leased by Yates Petroleum Corporation.

The surface owner listed below has been furnished a copy of this application by certified mail.

Bogle Farms, Inc.
%Bill Bogle
Box 358
Dexter, New Mexico 88230

A contract for water disposal in the subject well has been approved with Bogle Farms, Inc.

Additional data submitted:

Copies of Petroleum Information, Inc. (P.I.) cards for all wells within a two-mile radius.

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Yates Petroleum Corporation	Bogle Farms "AEC"			
#1	330' FSL & 330' FEL	13	11S.	34E.
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See attached schematics.

Tabular Data

Surface Casing

Size 13 3/8" Cemented with 375 sx.

TOC surface feet determined by calculation

Hole size 17 1/2"

***Intermediate Casing**

Size 8 5/8" Cemented with 525 sx.

TOC 1650 feet determined by calculation

Hole size 11"

+Long string

Size 5 1/2" Cemented with as required sx.

TOC 7000 feet determined by calculation

Hole size 7 7/8"

Total depth 13500'

Injection interval: Perforated

13360 feet to 13500 feet
(perforated or open-hole, indicate which)

*Original operator's Subsequent Report of Abandonment (Form C-103) shows top of 8 5/8" casing at 1091'. This casing string will be spliced and cemented to surface.

+The well will be deepended from OTD of 13396' to 13500'. 5 1/2" casing will be run and cemented as shown above.

Tubing size 2 7/8" lined with plastic (material) set in a

Guiberson Uni VI (nickel-plated) (brand and model) packer at 13300 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Devonian

2. Name of Field or Pool (if applicable) None

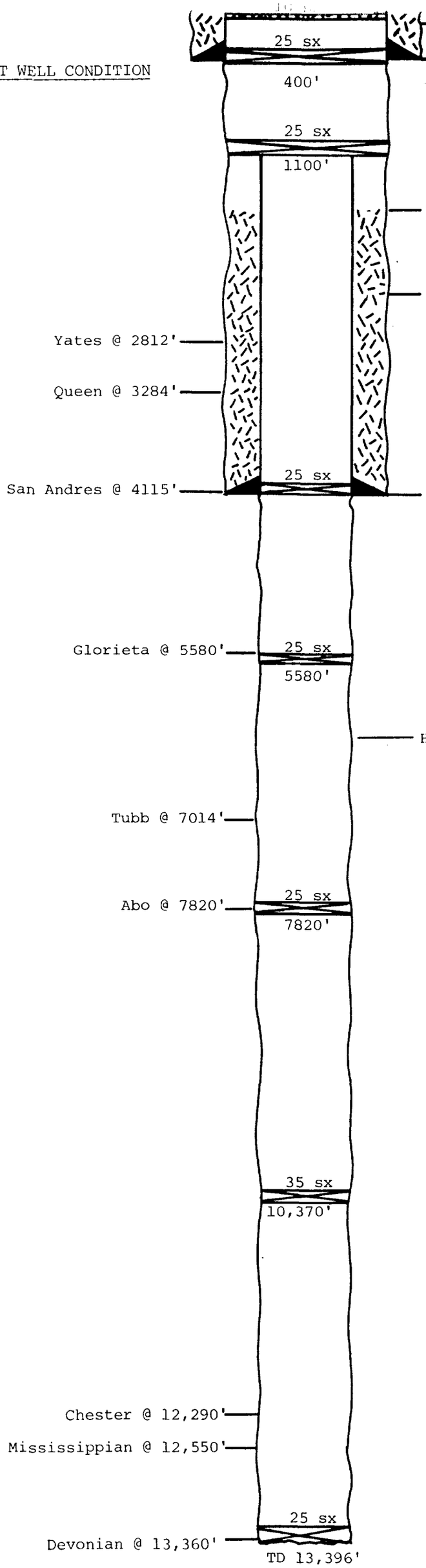
3. Is this a new well drilled for injection? / / Yes /X/ No

If no, for what purpose was the well originally drilled? oil and/or gas test

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No, but Yates Petroleum Corporation proposes to test Bough A & B interval 10035-10086' and Cisco interval 10240-10462' for oil production. These zones will be cement squeezed, drilled out, and pressure tested before beginning Devonian disposal operations.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. None within the Area of Review. Nearest production is from Yates Petroleum Corporation's Lonestar AAI St. #1 located in Unit K Sec.19,T.11S.,R.35E. This well produces from the Eight Mile Draw Permo Penn Pool.

PRESENT WELL CONDITION



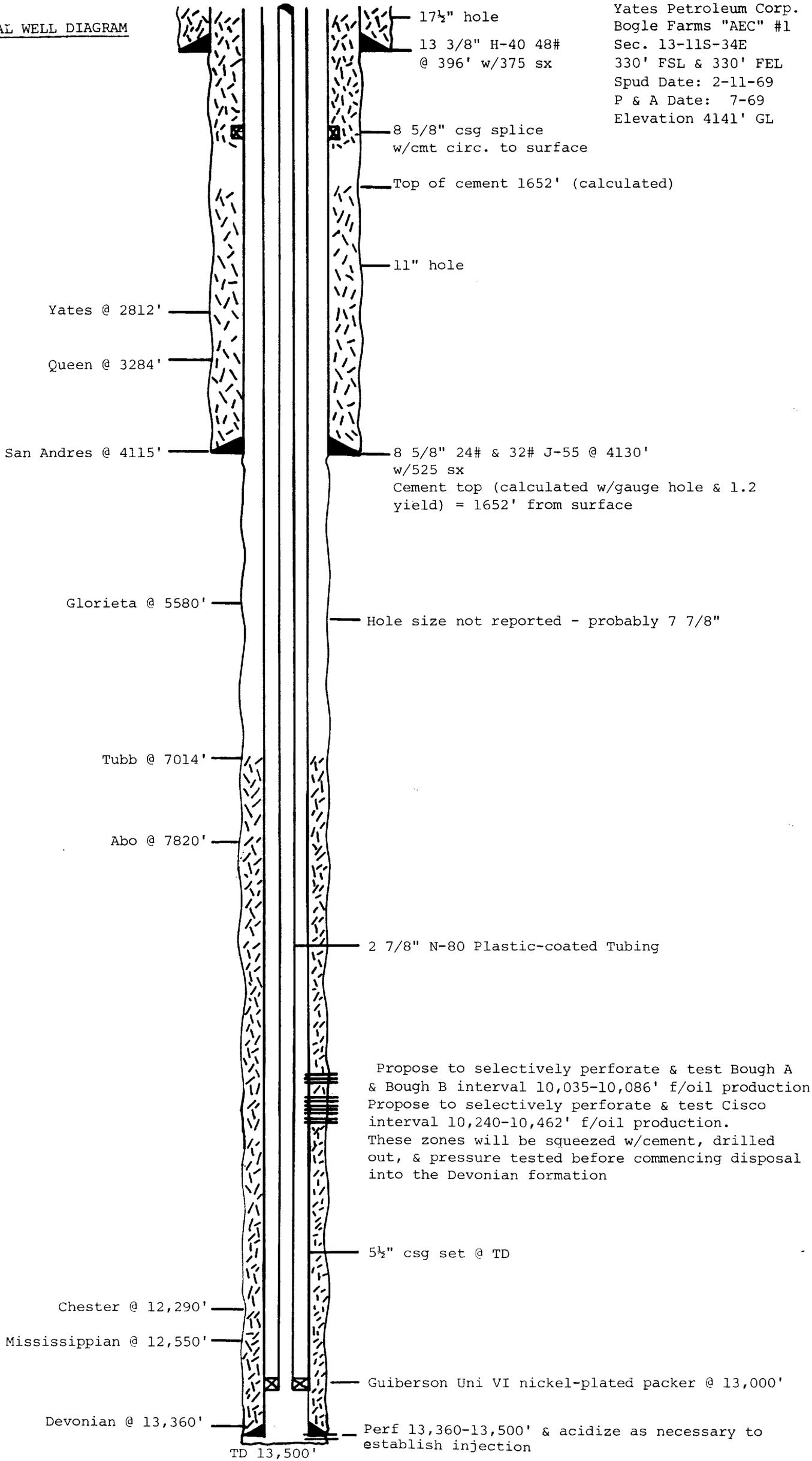
Earl T. Smith & Ass
Bogle Farms #1
Sec. 13-11S-34E
330' FSL & 330' FEL
Spud Date: 2-11-69
P & A Date: 7-69
Elevation 4141' GL

NOTE: Plugging report (Form C-103) shows 8 5/8" casing stub @ 1091'

Completion report (Form C-105) shows amount of 8 5/8" casing pulled = 1500'

DISPOSAL WELL DIAGRAM

Yates Petroleum Corp.
Bogle Farms "AEC" #1
Sec. 13-11S-34E
330' FSL & 330' FEL
Spud Date: 2-11-69
P & A Date: 7-69
Elevation 4141' GL



Form C-105
Revised 1-1-65

DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State XX Fee ☐
5. State Oil & Gas Lease No.: CC-7090

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY XX OTHER
b. TYPE OF COMPLETION: NEW WELL X WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Bogle Farms
2. Name of Operator: Earl T. Smith & Associates, Inc.
9. Well No.: 1
3. Address of Operator: Box 7107 - Amarillo, Texas or 208 Bank of the Southwest
10. Field and Pool, or Wildcat: Wildcat
4. Location of Well: UNIT LETTER M LOCATED 330 FEET FROM THE South LINE AND 330 FEET FROM
THE East LINE OF SEC. 13 TWP. 11 S. RGE. 34 E. NMPM
12. County: Lea

14. Date Spudded	15. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2-11-69	3-19-69		4141 GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By →	Rotary Tools	Cable Tools
13,396				X	

24. Producing Interval(s), of this completion — Top, Bottom, Name

25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run: Sidewall Neutron Porosity, Dual induction later log-Micro later- log
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	396	17 1/2	375	0
8 5/8"	24 & 32	4130	11	425	1500

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

PRODUCTION

33. Date First Production | Production Method (Flowing, gas lift, pumping — Size and type pump) | Well Status (Prod. or Shut-in)

Date of Test | Hours Tested | Choke Size | Prod'n. For Test Period | Oil — Bbl. | Gas — MCF | Water — Bbl. | Gas-Oil Ratio

Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil — Bbl. | Gas — MCF | Water — Bbl. | Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE Earl T. Smith | PRINTED NAME Earl T. Smith | TITLE Owner | DATE 6-[illegible]-69

ILLEGIBLE

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2812			Yates				
3284			Queen				
4115			San Andres				
5580			Glorieta				
7014			Tubb				
7820			Abo				
12290			Chester				
12550			Miss. Lime				
13360			Devonian				

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: **OG-5090**

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name:

2. Name of Operator: **Earl T. Smith & Associates, Inc.**

8. Farm or Lease Name: **Bogle Farms**

3. Address of Operator: **208 Bank of the Southwest, Amarillo, Texas 79109**

9. Well No.: **1**

4. Location of Well: UNIT LETTER **P**, **330** FEET FROM THE **South** LINE AND **330** FEET FROM THE **East** LINE, SECTION **13** TOWNSHIP **11 S.** RANGE **34** NMPM.

10. Field and Pool, or Wildcat: **Wildcat**

15. Elevation *(Show whether DF, RT, GR, etc.)*: **4141 GR**

12. County: **Lea**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

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.

Plug and abandon as follows:

25 sx. cement @ total depth.
35 sx. cement @ 10,370 ft.
25 sx. cement @ 7,820 ft.
25 sx. cement @ 5,580 ft.
25 sx. cement @ 4,130 ft.
Top surface casing 1,091 ft.
Bottom surface casing 4,150 ft.
25 sx. cement @ 1,100 ft. (7/22/69)
25 sx. cement @ 409 ft.
10 sx. cement @ 13 ft.

Install dry hole marker (7/22/69)
Location has been restored to its original condition and is ready for inspection.

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

SIGNED Robert L. Lowe TITLE **Engineer** DATE **July 20, 1970**

APPROVED BY John W. Runyan TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: OG-5090

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name:

2. Name of Operator: Earl T. Smith & Associates, Inc.

8. Farm or Lease Name: Bogle Farms

3. Address of Operator: 208 Bank of the Southwest, Amarillo, Texas

9. Well No.: 1

4. Location of Well: UNIT LETTER M, 330 FEET FROM THE South LINE AND 330 FEET FROM THE East LINE, SECTION 13 TOWNSHIP 11 S. RANGE 34 East NMPM.

10. Field and Pool, or Wildcat: Wildcat

15. Elevation *(Show whether DF, RT, GR, etc.)*: 4141 GR

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Temporarily abandon [ ]	

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.

(Notice to temporarily abandon:)

25 sx of cement at total depth.
35 sx of cement at 10,370'
25 sx of cement at 7,820'
25 sx of cement at 5,580'
25 sx of cement at 4,130'
Bottom hole surface casing 4, 150'.

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

SIGNED Earl T. Smith TITLE [illegible] DATE 3-8-83

APPROVED BY [illegible] TITLE [illegible] DATE [illegible]

CONDITIONS OF APPROVAL, IF ANY:

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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No. OG-5090

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name: Bogle Farms

2. Name of Operator: Earl T. Smith & Associates, Inc.

8. Farm or Lease Name: Bogle Farms

3. Address of Operator: P. O. Box 7407 - Amarillo, Texas 79105

9. Well No. 1

4. Location of Well: UNIT LETTER M, 330 FEET FROM THE South LINE AND 330 FEET FROM THE East LINE, SECTION 13 TOWNSHIP 11 S. RANGE 34East NMPM.

10. Field and Pool, or Wildcat: Wildcat

15. Elevation *(Show whether DF, RT, GR, etc.)*: 4141 GR.

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [X]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

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.

Propose to plug in the following manner 4-19-69:

IHP		2478'
Pre-flow	(30 minutes)	28-285'
ISIP	(60 minutes)	1765'
FP	(60 minutes)	285'-656'
FSIP	(90 minutes)	1708'
FHP		2449'

BHT 105° F.
25 sacks cement top stub of 8 5/8"
25 sacks cement shoe surface casing
10 sacks cement at surface.

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

SIGNED [signature] TITLE Earl T. Smith, President DATE 4-22-69

APPROVED BY [signature] TITLE [ ] DATE [ ]

CONDITIONS OF APPROVAL, IF ANY:

PETROLITE

PETROLITE OIL FIELD CHEMICALS GROUP
369 Marshall Avenue • St. Louis, Missouri 63119
314 961-3500 • TWX 910-760-1660 • Telex 44 247

WATER ANALYSIS REPORT

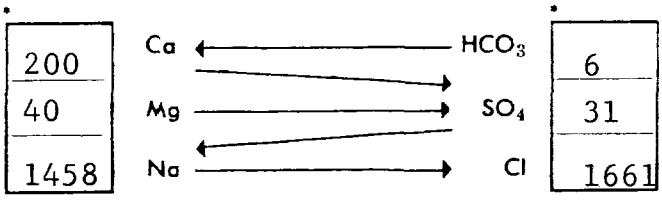
COMPANY YATES PETROLEUM CORP. ADDRESS _____ DATE: 6-6-86

SOURCE INTERNORTH # 1 DATE SAMPLED 6-5-86 ANALYSIS NO. _____

Analysis	Mg/L		*Meq/L	
1. pH	6.1			
2. H_2S (Qualitative)	0			
3. Specific Gravity	1.080			
4. Dissolved Solids	98,783			
5. Suspended Solids	-			
6. Phenolphthalein Alkalinity ($CaCO_3$)	-			
7. Methyl Orange Alkalinity ($CaCO_3$)	300			
8. Bicarbonate (HCO_3)	366	HCO_3 ÷61	6	HCO_3
9. Chlorides (Cl)	58,975	Cl ÷35.5	1,661	Cl
10. Sulfates (SO_4)	1,500	SO_4 ÷48	31	SO_4
11. Calcium (Ca)	4,000	Ca ÷20	200	Ca
12. Magnesium (Mg)	486	Mg ÷12.2	40	Mg
13. Total Hardness ($CaCO_3$)	12,000			
14. Total Iron (Fe)	5 ppm			
15. Barium (Qualitative)				
16. Strontium				

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X Meq/L	= Mg/L
$Ca(HCO_3)_2$	81.04	6	486
$CaSO_4$	68.07	31	2,110
$CaCl_2$	55.50	163	9,047
$Mg(HCO_3)_2$	73.17	0	0
$MgSO_4$	60.19	0	0
$MgCl_2$	47.62	40	1,905
$NaHCO_3$	84.00	0	0
Na_2SO_4	71.03	0	0
NaCl	58.46	1,458	85,235

Saturation Values	Distilled Water 20°C
$CaCO_3$	13 Mg/L
$CaSO_4 \cdot 2H_2O$	2,090 Mg/L
$MgCO_3$	103 Mg/L

REMARKS _____

Respectfully submitted
PETROLITE CORP.
Jayson Jones

PETROLITE

PETROLITE OIL FIELD CHEMICALS GROUP
369 Marshall Avenue • St. Louis Missouri 63119
314 961-3500 • TWX 910-760-1660 • Telex 44 241

WATER ANALYSIS REPORT

COMPANY YATES PETROLEUM CORP. ADDRESS _____ DATE: 6-6-86

SOURCE LONE STAR # 1 DATE SAMPLED 6-5-86 ANALYSIS NO. _____

Analysis		Mg/l		*Meq/l	
1.	pH	6.0			
2.	H_2S (Qualitative)	0			
3.	Specific Gravity	1.075			
4.	Dissolved Solids	92,552			
5.	Suspended Solids	-			
6.	Phenolphthalein Alkalinity ($CaCO_3$)	-			
7.	Methyl Orange Alkalinity ($CaCO_3$)	250			
8.	Bicarbonate (HCO_3)	305	÷61	5	HCO_3
9.	Chlorides (Cl)	55,437	÷35.5	1,562	Cl
10.	Sulfates (SO_4)	1,375	÷48	29	SO_4
11.	Calcium (Ca)	4,000	÷20	200	Ca
12.	Magnesium (Mg)	729	÷12.2	60	Mg
13.	Total Hardness ($CaCO_3$)	13,000			
14.	Total Iron (Fe)	3 ppm			
15.	Barium (Qualitative)				
16.	Strontium				

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

200	Ca ← HCO_3	5
60	Mg → SO_4	29
1336	Na → Cl	1562

Saturation Values *Distilled Water 20°C*

$CaCO_3$	13 Mg/l
$CaSO_4 \cdot 2H_2O$	2,090 Mg/l
$MgCO_3$	103 Mg/l

Compound	Equiv. Wt.	X Meq/l	= Mg/l
$Ca(HCO_3)_2$	81.04	5	405
$CaSO_4$	68.07	29	1,974
$CaCl_2$	55.50	166	9,213
$Mg(HCO_3)_2$	73.17	-	-
$MgSO_4$	60.19	-	-
$MgCl_2$	47.62	60	2,857
$NaHCO_3$	84.00	-	-
Na_2SO_4	71.03	-	-
NaCl	58.46	1,336	78,103

REMARKS _____

Respectfully submitted
PETROLITE CORP.
Jayson Jones

PETROLITE

PETROLITE OIL FIELD CHEMICALS GROUP
369 Marshall Avenue • St. Louis Missouri 63119
314 961-3500 • TWX 910-760-1660 • Telex 44 24[illegible]

WATER ANALYSIS REPORT

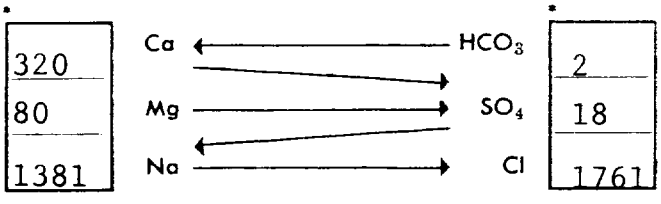
COMPANY YATES PETROLEUM CORP. ADDRESS _____ DATE: 6-6-86

SOURCE EAST BAGLEY UNIT # 1 DATE SAMPLED 6-5-86 ANALYSIS NO. _____

Analysis		Mg/L		*Meq/L	
1. pH	6.2				
2. H_2S (Qualitative)	0				
3. Specific Gravity	1.080				
4. Dissolved Solids		102,580			
5. Suspended Solids		----			
6. Phenolphthalein Alkalinity ($CaCO_3$)		----			
7. Methyl Orange Alkalinity ($CaCO_3$)		100			
8. Bicarbonate (HCO_3)	HCO_3	122	÷61	2	HCO_3
9. Chlorides (Cl)	Cl	62,514	÷35.5	1,761	Cl
10. Sulfates (SO_4)	SO_4	875	÷48	18	SO_4
11. Calcium (Ca)	Ca	6,400	÷20	320	Ca
12. Magnesium (Mg)	Mg	972	÷12.2	80	Mg
13. Total Hardness ($CaCO_3$)		20,000			
14. Total Iron (Fe)		15 ppm			
15. Barium (Qualitative)					
16. Strontium					

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X Meq/L	= Mg/L
$Ca(HCO_3)_2$	81.04	2	162
$CaSO_4$	68.07	18	1,225
$CaCl_2$	55.50	300	16,650
$Mg(HCO_3)_2$	73.17	-	-
$MgSO_4$	60.19	-	-
$MgCl_2$	47.62	80	3,810
$NaHCO_3$	84.00	-	-
Na_2SO_4	71.03	-	-
NaCl	58.46	1,381	80,733

Saturation Values Distilled Water 20°C

$CaCO_3$	13 Mg/L
$CaSO_4 \cdot 2H_2O$	2,090 Mg/L
$MgCO_3$	103 Mg/L

REMARKS _____

Jayson Jones
Respectfully submitted
PETROLITE CORP.

SCHLUMBERGER

SIDEWALL NEUTRON POROSITY LOG

COMPANY EARL F. SMITH

WELL BOGEL FARMS #1

FIELD WILDCAT (RANGER LAKE)

COUNTY LEA STATE New Mexico

Location: 330 FSL & 330 FEL

Sec. 13 Twp. 11S Rge. 34E

Other Services: OIL, MLL

Permanent Datum: G.L ; Elev.: Elev.: K.B. 4152

Log Measured From K.B, Ft. Above Perm. Datum D.F.

Drilling Measured From K.B G.L.

Date	4/18/66
Run No.	ONE
Type Log	EPI-NEUTRON
Depth—Driller	13,396
Depth—Logger	13,395
Bottom logged interval	13,393
Top logged interval	SURFACE
Type fluid in hole	SALT GEL
Salinity, PPM Cl.	77,000
Density	9.5
Level	FULL
Max rec. temp., deg F.	176
Operating rig time	6 HR.
Recorded by	BECK
Witnessed by	MR MCKNIGHT

Oil Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
	7 7/8	CSG	TD	5 1/2		Surface	4130

The well name, location and borehole reference data were furnished by the customer.

EQUIPMENT DATA

Run No.	PGP-D	PNH-A	PGH-A	PGS-A	Source No.	SFT-116	SGH	Logging Unit	Location
1	181	72	32	- 22	88	109	68	3720	Hobbs
2									
3									

CALIBRATION DATA

FOLD HERE

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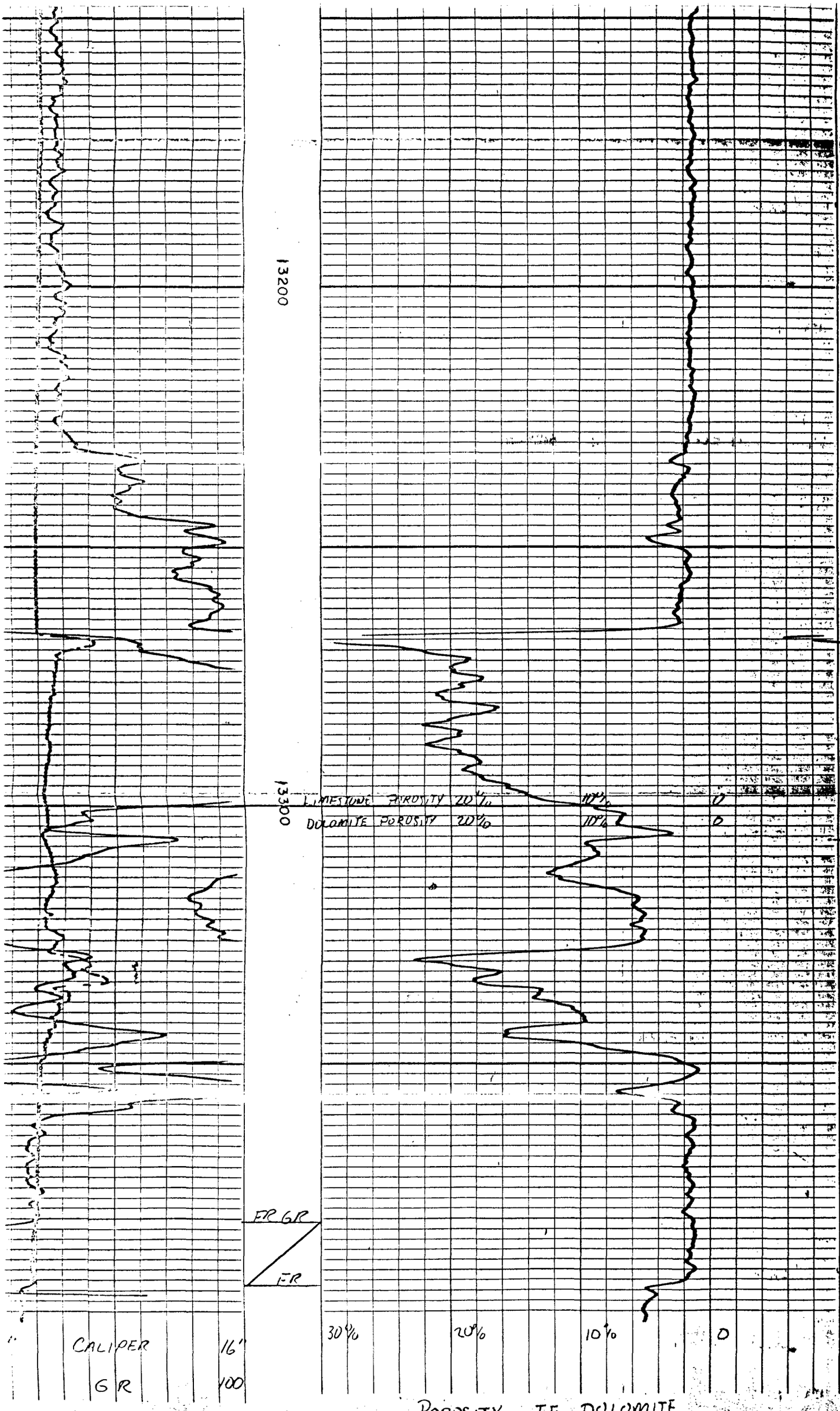
13200
13300
LIMESTONE POROSITY 20%
DOLOMITE POROSITY 20%
10%
10%
0
0
FR GR
FR
CALIPER
16"
GR
100
30%
20%
10%
0
POROSITY IF DOLOMITE

SCHLUMBERGER

DUAL INDUCTION - LATEROLOG

COMPANY EARL T SMITH

WELL BOGEL FARMS #1

FIELD WILDCAT (RANGER LAKE)

COUNTY LEA STATE NEW MEXICO

LOCATION 1330 FSL & 1650 FEL
DO GRACE
Sec. 13 Twp. 17S Rge. 34E

Other Services:
SNP-GR
MLL

Permanent Datum: G.L. Elev.
Log Measured From K.B. Ft. Above Perm. Datum
Drlg Measured From K.B.

Elev.: K.B. 4152
D.F.
G.L.

	7/18/69			
No.	ONE			
Depth—Driller	13,396			
Depth—Logger	13,389			
Bottom Log Interval	13,385			
Top Log Interval	4130			
Casing—Driller	5 5/8 @ 4130	@	@	@
Casing—Logger	4130			
Bit Size	7 7/8			
Type Fluid in Hole	SALT GEL			
Density				
Viscosity	9.5	42.5		
Fluid Loss	6.5	14.4 ml	ml	ml
Source of Sample	CIRCULATED			
R @ Meas. Temp.	.11 @ 65 °F	@ °F	@ °F	@ °F
R @ Meas. Temp.	.07 @ 65 °F	@ °F	@ °F	@ °F
R @ Meas. Temp.	— @ °F	@ °F	@ °F	@ °F
Source: R_{mf} R_{mc}	—			
R @ BHT	.092 @ 176 °F	@ °F	@ °F	@ °F
Time Since Circ.	3 HR			
Max. Rec. Temp.	176 °F	°F	°F	°F
Equip. Location	3330 HOBBS			
Recorded By	BECK			
Witnessed By	MR. M. KING			

@ Oil Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

REMARKS

Scale Changes
Type Log Depth Scale Up Hole
Change in Mud Type or Additional Samples
Date Sample No.
Depth—Driller

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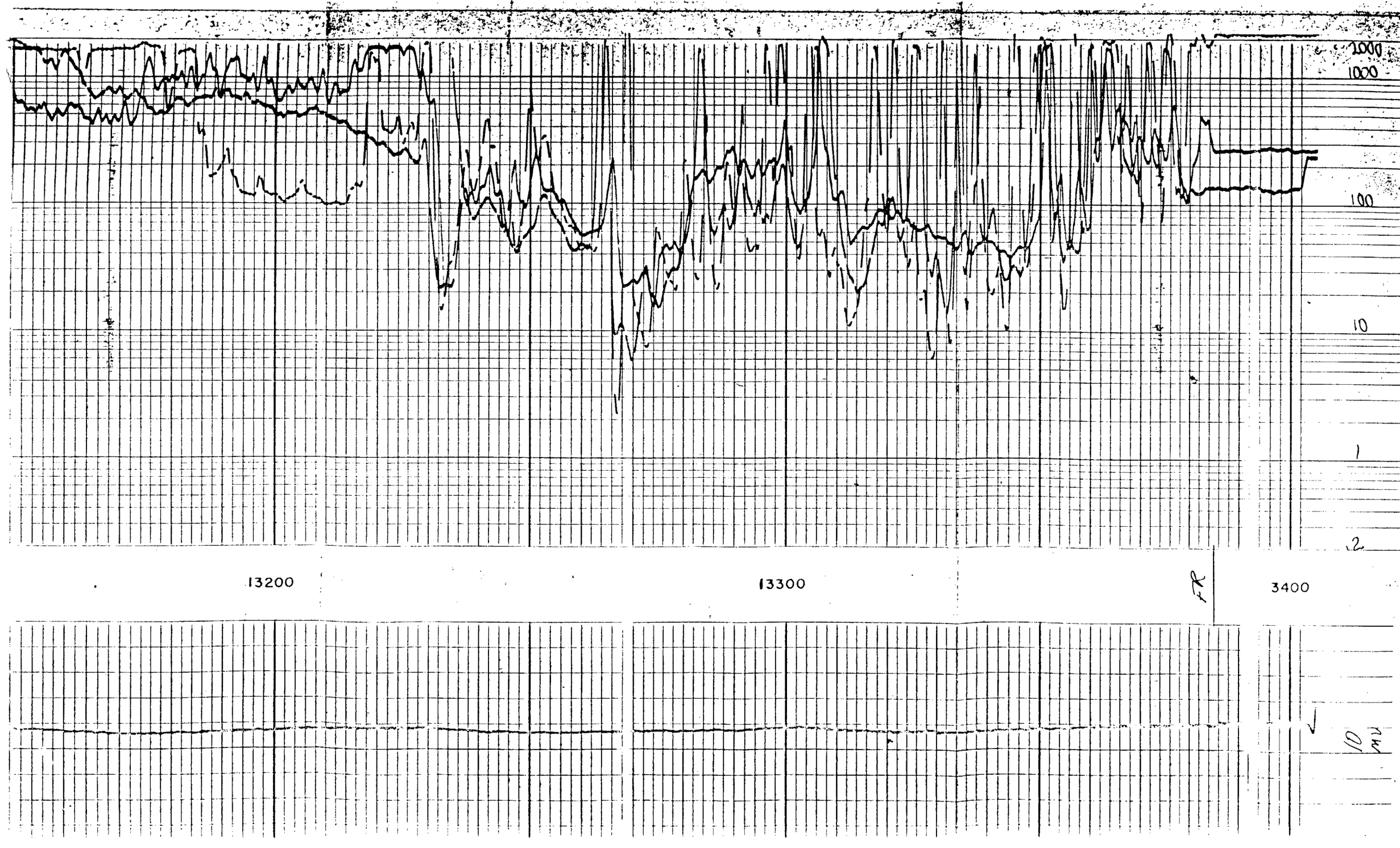
2000
1000
100
10
1
.2
13200
13300
3400
10 mv

SCHLUMBERGER

MICROLATEROLOG

COMPANY EARL T. SMITH

WELL BOGEL FARMS #1

FIELD WILDCAT (RANGER LAKE)

COUNTY LEA STATE NEW MEXICO

LOCATION 330 FS + EL 16

Other Services: SNP-GR, DIL

Sec. 13 Twp. 11S Rge. 37E

WELL / COMPANY

Perm. Datum: GL, Elev. 4140.2

Log Measured From K.B, 11.8 Ft. Above Perm. Datum

Drilling Measured From K.B

Elev.: K.B. 4152

D.F.

G.L. 4140.2

Date	4/18/69			
Run No.	ONE			
Depth—Driller	13,396			
Depth—Logger	13,389			
Btm. Log Interval	13,387			
Top Log Interval	4130			
Casing—Driller	8 5/8 @ 4130	@	@	@
Casing—Logger	4130			
Bit Size	7 7/8			
Type Fluid in Hole	SALT GEL			
Dens. / Visc.	9.5 / 42.5			
pH / Fluid Loss	6.- / 14.4 ml	ml	ml	ml
Source of Sample	Circulating			
Rm @ Meas. Temp.	.11 @ 65 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.07 @ 55 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	— @ °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	M / —			
Rm @ BHT	.042 @ 172 °F	@ °F	@ °F	@ °F
Time Since Circ.	9 hr			
Max. Rec. Temp.	172 °F	°F	°F	°F
Equip. / Location	3326 / Hobbs			
Recorded By	BECK			
Witnessed By	MR. McKNIGHT			

The well name, location and borehole reference data were furnished by the customer.

Oil Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

REMARKS

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Changes in Mud Type or Additional Samples

Date	Sample No.	Depth—Driller	Type Fluid in Hole	Dens.	Visc.

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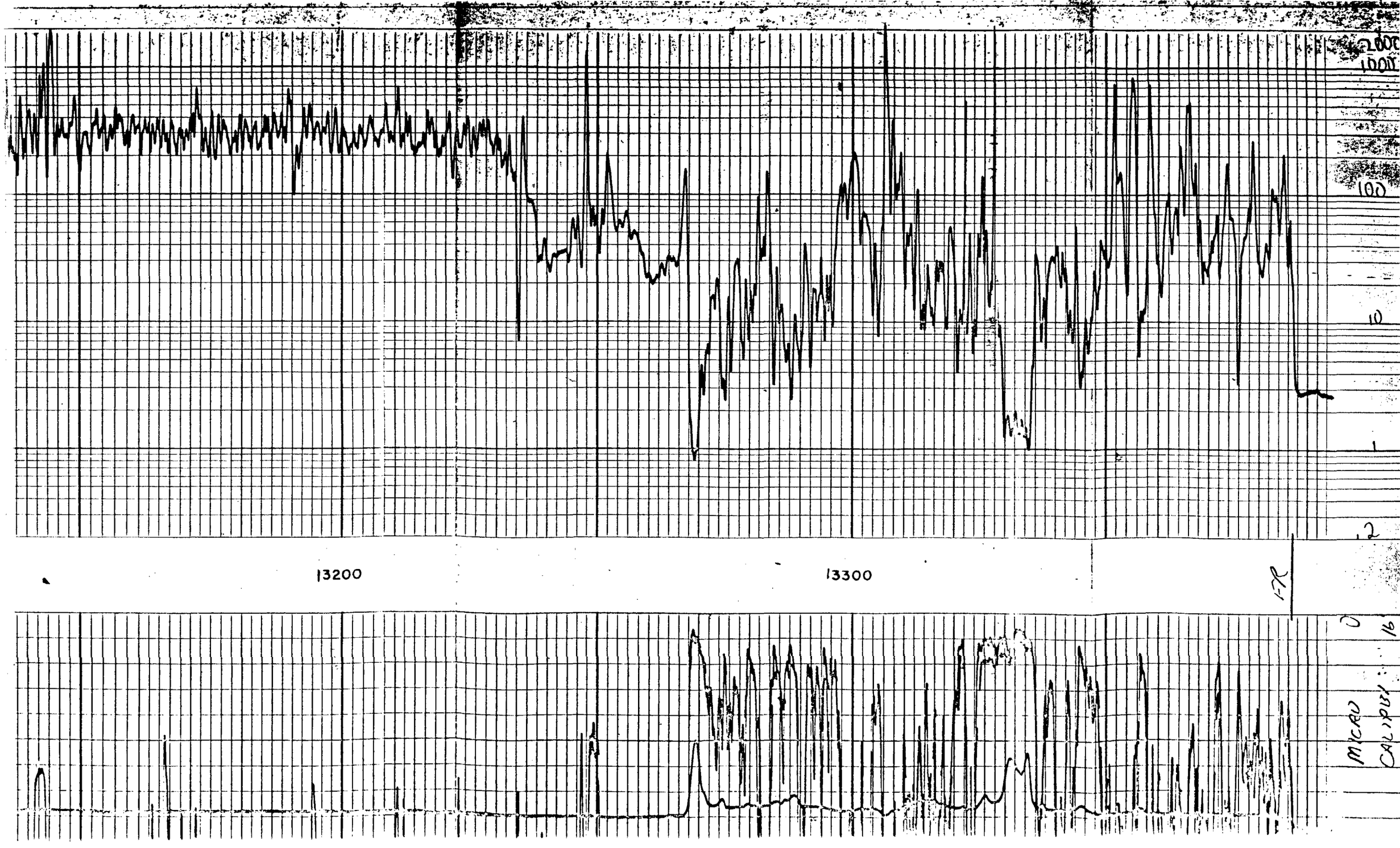
1000
100
10
1
.2
13200
13300
MICRO
CALIPER

Sec. 11-T11S-R34E

LEA COUNTY NEW MEXICO WILDCAT

Well: HELBING & PODPECHAN #1 Kelce-State **Result:** NEW OIL DISCOVE
Loc'n: NW/part county, 13 mi E/Caprock; Sec 11-11S-34E, 1980' FNL 660' FEL Sec; 3/4 mi SW of depleted one-well Sand Spring Fld. Unit H

Spudd 10-29-61, Comp: 1-16-62, Elev: 4165' DF, TD: 13,225'
Casing: 13-3/8" 338/275 sx, 8-5/8" 4136/1000 sx, 5 1/2" 13,218/150 sx
Prod Zone: (Dev) T/Pay 13,174, Prod thru perfs 13,174-207
IPF: 384 BOPD thru 16/64" ch, Grav & GOR not reported, TP 100#, CP pkr
Comp Info: DST 10, 143-294, op 1 hr, rec 270' mud, FP 38-150#, SIP 3690#/30 min; DST 10, 343-389, op 1 hr, rec 320' mud, FP 110-170#, SIP 170#/30 min; DST 13, 146-204, op 2 hrs, rev out 8400' oil, no pressures; A/250 gals, flwd 115 BO/2-1/4 hrs thru 1/2" ch
Tops: (EL) Miss. 12,265, Dev. 13,12?.

Date: 2-14-62 Card No.: 23 N M gr

Sec. 13-T11S-R34E

LEA COUNTY NEW MEXICO WILDCAT

Well: EARL T. SMITH & ASSOC., #1 Bogle-Farms Result: DEA

Loc'n: Sec 13-11S-34E, 330' FSGELS of Sec; 15 mi NW/Tatum in N/part county; N½ mi SE/ Sand Springs (Dev) Fld, 1¼ mi NE/13, 285' failure. Unit P

Spud: 2-21-69; Comp: 4-21-69; Elev: 4155' Grd; TD: 13,396'

Casing: 13-3/8" 400'/379 sx, 8-5/8" 4129'/325 sx.

Comp Info: DST 10,370-448', rec 260' DM, 1,000' SW, no pressures reported; Perfs & treatment, if any, not reported; C/Morgan Drlg. Co.

Tops: (EL) Yates 2825', San And 4115', Glor 5580', Drink 7025', Abo 7820', Wolfc 9375', 3-Brothers 9820', Bough "C" 10,215', Atoka 11,540', Chester 12,290', Miss Li 12,550', Dev 13,360'

Date: 5-12-69 Card No.: S NM ∞

Sec. 14-T11S-R34E

LEA COUNTY NEW MEXICO WILDCAT

Well: A. A. CAMERON #1-14 Bogle Farms **Result:** D&A

Loc'n: 14-11S-34E; 1980' FS&EL's Sec; 14 mi NE/Tatum; NW/pt cty; 3½ mi N of Four Lakes Fld; ½ mi NE of Opr's #1 Bogle Farms, & 5 mi N of E/Bagley Fld. Unit J

Spud: 11-28-58; Comp: 1-9-58; Elev: (Not available); TD: 310'
Casing: Not available.
Prod Zone: None
IP: None
Comp Info: Not available.
Tops: Not available.

Date: 1-28-59 Card No.: 9 NM pc

Sec. 23-T11S-R34E

LEA COUNTY NEW MEXICO WILDCAT
NEW GAS DISC WFD

Well: APCO OIL CORP, 1 Sun State
Loc'n: 12 mi NW/Tatum; Sec 23-11S-34E; 1980' FNL, 1980' FWL Sec Unit F

Spud: 1-6-74; Comp: 4-7-75; Elev: 4144' Grd; TD: 12,450' Penn; PBD 12,140'
Casing: 12-3/4" 355'/350 sx; 8-5/8" 4200'/200 sx; 5-1/2" 12,221'/775 sx
Prod Zone: (Atoka), T/Perf 11,766', Prod thru Perfs 11,766-12,053'
IPCAOF: 2,281,000 CFGPD, Grav (cond) 47.3, (gas) .7511, GOR 140,000-1, SIWHP 3569#, SIBHP 5404#
Comp Info: DST (Cisco) 9860-10,075', op 2 hrs 45 mins, rec 268' HGCM, 40' GCSW, 420' GCM (prior plugging), ISIP 3270#/1 hr 30mins, no other press; DST (Atoka) 11,500-800', op 3 hrs 15 mins, GTS 8 mins @ 175,000 CFGPD inc to 825,000 CFGPD, rec 1120' HGCM, ISIP 4864#/1 hr, FP 447-480#, FSIP 4864#/6 hrs, HP 5871-5733#; DST (Atoka) 11,803-12,150', op 2 hrs 45 mins (2000' WB), GTS 1 hr 20 mins @ 8,000,000 CFGPD, dec to 2,500,000CFPD, rec 1666' G & cond CM, ISIP 6464#/2 hrs, FP 1578#, FSIP 5227#; HP 6547-6575#; Perf @ 11,766', 11,769', 11,774', 11,777', 11,779', 11,785', 11,882', 11,883', 12,056', 12,053' w/1 SPI; A/3500 gals; F/2,500,000 CFGPD/2 hrs 24/64" ch, TP 750#; four point test F/420,000 CFGPD/60 mins 1/64" ch, TP 3412#, F/ 203,000 CFGPD/80 mins 8/64" ch, TP 2545#, F/1,549,000 CFGPD/70 mins 14/64" ch TP 1525#, F/1,955,000 CFGPD/60 mins 18/64" ch, TP 1060#; C/Cactus Drlg Co
Tops: Elec Anhy 2060', Yates 2750', Queen 3470', San And 4050', Glor 5510', Drink 6945', Abo 7758', Wolfc 9110', Cisco 9890', Atoka 11,518'
API No: 30-025-24832

Petroleum Information. CORPORATION

Date: 5-14-75 Card No.: 8 dh

LEA COUNTY NEW MEXICO WILDCAT

Well: J. M. HUBER CORP. #1-A Gulf-State
Loc'n: 13 mi E-SE/Caprock, NW/part county, Sec 23-11S-34E, 660' FSL 1980' FEL Sec; 2-1/2 mi S. of Sand Springs-Dev. Fld.
Result: DGA Unit O

Spud: 7-17-64; Comp: 9-24-64; Elev: 5145' grd; TD: 12,461
Casing: 13-3/8" 355/145 sx, 8-5/8" 4116/200 sx
Comp. Info: DST 9995-10,277, op 1 hr, rec 2250" sli GCM, 630' GCM, 630' HGCM & 270' MCSW plus 690' SW, FP 1356-3504# SIP 3535#/2 hrs; DST 11,195-219, op 41 mins, rec 630' WC & 30' mud, FP 41#, SIP 3148#/1 hr; DST 11,950-980, pkr failed; DST 11,895-980, op 2 hrs, GTS 1 hr & 5 mins, est 150,000 CFGPD, rec 1500' WC & 660' GCM, FP 717-717#, SIP 3603#/1 hr; DST 12,150-212, op 1 hr. rec 2500' WC & 180' mud, FP 1150-1125#, SIP 4050#/1 hr. C/McFarland Drlg.
Tops: (EL) Yates 2790, Grayb. 3840, San And. 4090, Glor. 5540, Tubb 6975, Abo 7780, L/Wolfc. 9295, Bough "C" 9980, Atoka 11,535, U/Miss. 12,315, L/Miss. 12,415'.

Oil Reports

Date: 10-21-64 Card No.: 7 NM mlo

Sec. 25-T11S-R34E

LEA COUNTY S E NEW MEXICO EIGHT MILE DRAW FLD

Well: YATES PET 1 Internorth "ADG" State Result: OIL DO
Loc'n: 15 mi SE/Caprock; ne ne Sec 25, T11S, R34E Sur; 660 FNL, 660 FEL of Sec Unit A

Spud: 11-23-85; Comp: 2-11-86; Elev: 4142 GR, 4161 KB; TD: 11,500 PSLV; PB: 10,200
Casing: 13 3/8-407-400 sx; 8 5/8-4261-1650 sx; 5 1/2-10,451-850 sx; 2 7/8-10,119
Prod Zone: (Permo-Pennsylvanian) Prod thru Perfs 10,038-10,042
IPP: 150 BOPD + 15 BW; 24 hr test; GOR 3000; Gty 38
Comp Info: RAN: CNL, FDC, DLL; DST (Bough A-Bough B) 10,010-10,047, op 1 hr 30 mins, GTS in 22 misn, rec 53 BBLS OIL + O&GCM (Sample chamber rec 1300 CC OIL + 3.55 CFT GAS @ 895), 30 min IFP 484-969, 1 hr ISIP 2459, 1 hr FFP 827-1650, 4 hr 35 min FSIP 2732, HP 5390-5390, BHT 155 deg; No Cores; Perf (Bough B) 10.038-10,042 w/8 shots; A/1500 gals (15% DS-30); C/Moranco
TOPS: Rustler 2168, Yates 2830, San Andres 4137, Glorieta

(Cont'd on Card #40-A)

Date: 04-16-86 Card No.: 40

LEA COUNTY S E NEW MEXICO EIGHT MILE DRAW FIELD

Well: YATES PET 1 Internorth "ADG" State Result: OIL DO
Loc'n: 15 mi SE/Caprock; ne ne Sec 25, T11S, R34E Sur; 660 FNL, 660 FEL of Sec

(Cont'd from Card #40)

TOPS: 5596, Tubb 7048, Abo 7818, Wolfcamp 9169, Three Brothers 9734, Bough B 10,032. Bough C 10,098, Ranger Lake 10,324
API No: 30-025-29500

Date: 04-16-86 Card No.: 40-A

Sec. 25-T11S-R34E

LEA COUNTY SE NEW MEXICO EIGHT MILE DRAW

Well YATES PET 1Carper-McAlester"ACX"State "OWWO" Result D&A D Unit C
Loc'n 15 mi SE/Caprock;Sec25,T11S,T34E;660FNL,1650FWL Sec;Orig.Carper DrlgCo,Inc#1Carper-McAlester"AD",D&A12-24-63,OTD12,285
ReSpud:8-14-85;ReComp:9-5-85;Elev:4144GR;TD:13,285 DVNN
Casing: 13 3/8-350-350sx;9 5/8-4075-300sx;8 5/8-1235-750sx
Comp Info: CO to 1235; Ran 8 5/8 csg, No completion work reported
API No: 30-025-20388

Petroleum Information CORPORATION
A Subsidiary of A.C. Nielsen Company

Date 10-2-85 Card No 16

LEA COUNTY NEW MEXICO WILDCAT

Well: CARPER DRLG. CO.INC. #1 AD State-Carper-McAlester Result: D&A
Loc'n: 13 mi SE/Caprock, N/part county; Sec 25-11S-34E, 660' FNL 1650' FWL Sec; 1 3/4 mi NE of S/Four Lakes-Penn. Fld. Unit C

Spud: 10-10-63, Comp: 12-24-63, Elev: 4159' DF, TD: 13,285'
Casing: 13 3/8" 350, 9 5/8" 4075/300 sx
Comp Info: DST 9985-10,035, op 1 hr, rec 4410' SW, FP 1235-2118#, SIP 2684#/30 mins, DST 10,260-317, op 2 hrs, rec 200' oil-cut & hvly GCM, & 750' SW, FP 112-425#, SIP 3587#/1 hr, DST 11,775-12,075, op 2 hrs & 15 mins, GTS 15 mins, est 213,000 CFGPD, rec 2300' GCM, FP 403-694#, SIP 3124#/1 hr, DST 13,195-285, op 2 hrs, rec 2600' gas in DP, 1300' GCWC & 736' mud plus 1748' sulf wtr, FP 790-1592#, SIP 2852#/1 hr.
Tops: (EL) Yates 2815', Queen 3270', San And. 4115', Glor. 5570', Drinkard 7025', Abo 7795', Wolfc. 9180', Bough "C" 10,060', Atoka 11,545', Miss. li. 12,280', Wdfd. 13,075', Dev. 13,145'.

Date: 1-29-64 Card No.: 10 NM gr

Sec. 17-T11S-R35E

LEA COUNTY NEW MEXICO WILDCAT

SIGNAL OIL & GAS CO. #1 West Ranger Lake Unit Result D&A

17-11S-35E, 660' FSL 2080' FWL of Sec; N/central part of county, 10 mi NE Tatum. Unit N

Spud: 7-8-56; Comp: 11-26-56; Elev: 4159' DF; TD: 13,460' dolo
Casing: 13 3/8" 316'/300 sx, 9 5/8" 4500'/2000 sx
Prod Zone: None
IP: None
Comp Info: DST 5050-93', op 2 hrs, rec 550' salt wtr & 2240' salty sul wtr, FP 155-1560#, SIP 1830#/30 min; DST 9245-9277', op 2½ hrs, rec 15' sli O&GCM, 90' SWCO & 90' O&GCSW; DST 9600-32', op 2 hrs, rec 120' sly GCM; DST 10,282-315', op 2 hrs, by-passed tool after 15 min & died, rec 30' sli GCM, FP 0-105#, SIP 120#/20 min; DST 13,068-130', op 2 hrs, 2500' WB, rec WB & 10' mud, FP 110#, SIP 1975#/45 min; DST 13,363-367', op 5 hrs, gas 3 hrs 5 min, rec 200' HGCM & 2500' GCWB, FP 1105#, SIP 3535#/45 min.
Tops: Anhy 2258', Yates 2851', San And 4150', Glor 5700', Clfk 6470', Tubb 7130'

Date: 2-[illegible]-57 Card No.: 2[illegible] NM pf

Sec. 19-T11S-R35E

LEA COUNTY — S E NEW MEXICO — EIGHT MILE DRAW FIELD

Well YATES PET 1 Lone Star "AAI" State (OWWO) Result: OIL DO
Loc'n 13 mi SW/Crossroads; Sec 19, T11S, R35E Sur; 1980 FSL, 1980 FWL of Sec (Orig. Yates Pet 1 Lone Star "AAI" State, OTD 10,625. PB: 10,398. Cmp 11-5-84) Unit K

Re-Spud: 1-21-86; Re-Comp: 2-1-86; Elev: 4140 GR; TD: 10,625 PSLV; PB: 10,275
Casing: (Old-13 3/8-411-400 sx; 8 5/8-4100-500 sx; 5 1/2-10,411-950 sx)
Prod Zone: (Old-Permo-Pennsylvanian thru Perfs 10,373-10,395) (Permo-Pennsylvanian) Prod thru Perfs 9998-10,029, No new Potential
Comp Info: BRPG @ 10,275; Perf (Permo-Pennsylvanian) 9998-10,002, 10,020-10,029 w/17 shots; A/3000 gals (15% NEFE; C/(NR)
API No: 30-025-23379-0002

Petroleum Information Date: 03-26-86 Card No.: 10

LEA COUNTY — NEW MEXICO — WILDCAT

Well YATES PETROLEUM, 1 Lone Star "AAI" State"OWWO" Result: OIL WFD
Loc'n 13 mi SW/Crossroads;1980'FSL,1980'FWL Sec 19-11S-35E(Orig. Lone Star Prod.,1 New Mexico "81"State,D&A 1-18-70,OTD 10,625') Unit K

Spud:9-24-84;Comp:11-5-84;Elev:4140'Grd;TD:10,625'Penn;PB: 10,398'
Casing:13-3/8"411'/400sx;8-5/8"4100'/500sx;5½"10,411'/950sx; 2-7/8"10,317'
Prod. Zone:(Permo-Penn),Prod thru Perfs 10,373-395'
IPP:37 BOPD + 120 BW; GOR 1080; Grav (NR)
Comp Info:Perf(Permo-Penn)10,373-395'w/9 shots,A/2500 gals (15%),C/M&W
Tops:NR
API No:30-025-23379

Petroleum Information®
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Date: 12-5-84 Card No.: 14 lp

LEA COUNTY — NEW MEXICO — WILDCAT (PENN)

Well LONE STAR PROD. CO., #1 N. Mexico (81) State Result: D&A
Loc'n Sec 19-11S-35E, N/part cnty, 10 mi NW/Tatum; 1980' FS&WLs Sec; 4 mi NE/Four Lakes (Dev & Penn) Fld, 1 mi NW/10,549' failure Unit K

Spud: 12-4-69; Comp: 1-18-70; Elev: 4139' Grd; TD: 10,625'
Casing: 13-3/8" 411'/400 sx, 8-5/8" 4100'/500 sx
Comp Info: DST 10,000-026', op 90 mins, rec 550' MCO (50% oil & 50% wtr) & 5450' SW, ISIP 2891#/1 hr, FP 1517-2758#, FSIP 2891#/3 hrs, SP-DST 9977-10,010 & 9978-10,91?, plus failed on both. C/Cactus Drlg. Corp.
Tops: (EL) Anhy 2195', Yates 2832', SanAnd 4117', Glor 5604', Tubb 7032', Abo 7833', Wolfc 9194', Penn 9754', Bough "C" 10,076', Canyon 10,228'

Date: 2- Card No.: 1

Sec. 30-T11S-R35E

LEA COUNTY NEW MEXICO WILDCAT

Well: CABOT CARBON CO., #1-H State of New Mexico Result: D&A

Loc'n: 10 mi NW/Tatum in [illegible] part county; Sec 30-11S-35E; 1980' FN&EL's Sec; 1 mi N/13, 228' dry hole & 2 mi NE of S/Four Lakes Fld. Unit G

Spud: 5-14-60; Comp: 7-10-60; Elev: 4144' Grd; TD: 10,549'
Casing: 13 3/8" 365'/350 sx, 8 5/8" 4229'/400 sx
Comp Info: DST 9093'-9213', op 1 1/2 hrs, rec 180' GCM, FP 100-160#, SIP 1800#/30 mins; DST 9083-9213', op 10 mins, rec 120' sli GCM, FP 140#, Sip failed; DST 9950-10', 060', op 1 hr, rec 30' mud, FP 50#, SIP 180#/30 mins; DST 9950-10', op 1 hr, rec 465' SWCM & 4650' SW, FP 420-2140#, SIP2930#/30 mins; DST 10,406-497', op 1 hr, rec 130' mud, NS, FP 0-220#, SIP 374#/30 mins.
Tops: (EL) Anhy. 2145', Yates 2867', San And. 4170', Tubb 7067', Abo 7829'

Date: 7-26-60 Card No.: 13 NM dfm

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