



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GOVERNOR

2/8/99

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

SWD-737

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

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD X _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

New Mexico Salt Water Disposal Co. Inc. State 35 # 1-C
Operator Lease & Well No. Unit S-T-R 35-105.33e

and my recommendations are as follows:

Recommend approval.

Yours very truly,

Chris Williams
Chris Williams
Supervisor, District 1

/ed

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.
400 N. PENN, SUITE 1000 P. O. BOX 1518
ROSWELL, NEW MEXICO 88202
PHONE 505 622-3770

February 3, 1999

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

RE: Application For Permit To Convert To Salt Water Disposal
State 35 #1 SWD
725' FNL & 2040' FWL
Section 35 T10S-R33E
Lea County, New Mexico

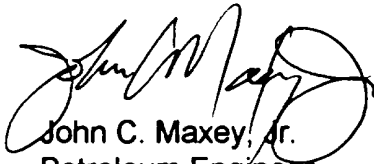
Ladies & Gentlemen:

Enclosed is our application for administrative approval to authorize salt water disposal into the subject well. The land owner and offset operator have received a copy of the application as evidenced by the certified mail receipts enclosed.

If you should have any questions, please advise.

Sincerely,

NEW MEXICO SALT WATER DISPOSAL COMPANY, INC.


John C. Maxey, Jr.
Petroleum Engineer

JCM/sr/swdltrs/ocd35#1

Enclosures

Orig: OCD Santa Fe & 1 xc
xc: OCD Hobbs

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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

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

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

Consult postmaster for fee.

3. Article Addressed to:

YATES PETROLEUM COMPANY
ATTN: LAND MANAGER
105 S. 4TH
ARTESIA, NM 88210

4a. Article Number

Z 262 030 540

4b. Service Type

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

7. Date of Delivery

1-29-99

5. Received By: (Print Name)

SCOTT GGS

6. Signature: (Addressee or Agent)

X [Signature]

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

PS Form 3811, December 1994

102595-97-8-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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

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

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

Consult postmaster for fee.

3. Article Addressed to:

COMMISSIONER OF PUBLIC LANDS
STATE LAND OFFICE
P. O. BOX 1148
SANTA FE, NM 87504-1148

4a. Article Number

Z 262 030 535

4b. Service Type

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

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X [Signature]

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

FEB 01 1999

PS Form 3811, December 1994

102595-97-8-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1

 weeks.

Beginning with the issue dated

January 23 1999

and ending with the issue dated

January 23 1999

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 22nd day of

January 1999

Godi Benson

Notary Public.

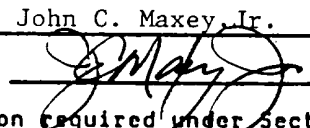
My Commission expires
October 18, 2000
(Seal)

LEGAL NOTICE
January 23, 1999
New Mexico Salt Water Disposal Company, Inc. will apply for authority to convert the State 35 T109 well located 725' FNL & 2040' FWL of Section 35 T109 R33E of Lea County, New Mexico into a salt water disposal well. Water produced from this well will be disposed of in the State 35 T109 R33E well. Any person or entity having an interest in the well or the land underlying the well is hereby notified to present their objections or requests for hearings with the Oil Conservation Division, 5040 S. Richardson Street, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice.
John C. Read
Agent
New Mexico Salt Water Disposal Company, Inc.
P.O. Box 1518
Roswell, New Mexico 88202
505/922-5570
#16382-2-10-99
of 1-2-99

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.

a0107570000 01529413
Read & Stevens, Inc.
P.O. Box 1518
ROSWELL, NM 88202

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: New Mexico Salt Water Disposal Company, Inc.
Address: P. O. Box 1518 Roswell, New Mexico 88202
Contact party: John C. Maxey, Jr. Phone: 505/622-3770
- 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: John C. Maxey, Jr. Title: Agent
Signature:  Date: 1/27/99
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

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.

Application For Authorization To Inject
New Mexico Salt Water Disposal Company, Inc.
Supplemental Information Per OCD Form C-108
January 27, 1999

III.A. 1. State 35 #1 SWD, 725' FNL & 2040' FWL, Section 35 T10S-R33E, Lea County, New Mexico.

<u>Csg Size</u>	<u>Depth</u>	<u>Cement (sx)</u>	<u>Hole Size</u>	<u>TOC</u>
13 3/8"	467'	530	17 1/2"	Surface
8 5/8"	4,206'	1,450	11"	Surface
5 1/2"	12,760'	1,550	7 7/8"	Tie Back

3. 2 3/8" 3,500 psi fiberglass tubing latched into a packer at 12,700'.
4. Baker Lok-set packer set at 12,700' with a 1.78" ID profile and right hand release on-off tool.
5. All components nickel plated or plastic coated.

- III.B. 1. The injection interval is the Devonian formation in the Vada Devonian field.
2. The injection interval is located from 12,760' to 12,900', through open hole.
 3. The well was originally drilled as a Devonian test in September, 1988 and was tested non-commercial.
 4. This well was non-commercial therefore no casing was run and there are no perforations.
 5. There is no known lower interval that produces in the area of this well, and the next higher interval of production in this area is from the Bough "C" which is situated at approximately 9,660'.

- V. A map is attached identifying all leases in the area of the proposed disposal well, and the one half-mile radius area of interest is drawn around the proposed disposal well.
- VI. Within the area of review there are three wells that penetrate the proposed injection zone.

The State E 873 #1 is located 660' FNL & 660' FEL of Section 35 T10S-R33E, Lea County, New Mexico. This well was spudded on June 8, 1956, and completed in the Permo Penn. This well was drilled to a total depth of 13,250' to test the Devonian and was found to be dry. The Permo Penn was subsequently completed. An attached schematic illustrates all wellbore details.

The State 26 #1 is located 330' FSL & 2,310' FWL of Section 26 T10S-R33E, Lea County, New Mexico. This well was spudded on November 16, 1987 and completed as a Devonian producer on February 13, 1988. The well was drilled to a total depth of 12,800'. The well appears to be inactive and may be P&A. An attached schematic illustrates all wellbore details.

The State CA #1 is located 500' FNL & 500' FWL of Section 35 T10S-R33E. The well was spudded on August 27, 1965, and TD was reached on October 30, 1965. The well was drilled to test the Devonian and found to be dry. Rice Engineering and Operating, Inc. took the well over on November 3, 1965 after the operator, Humble, had declared the well a dry hole in the Devonian. Rice Engineering deepened the well from its Devonian TD of 12,865' to 12,990' and completed the well as a Devonian salt water disposal in November of 1965. An attached schematic illustrates all wellbore details.

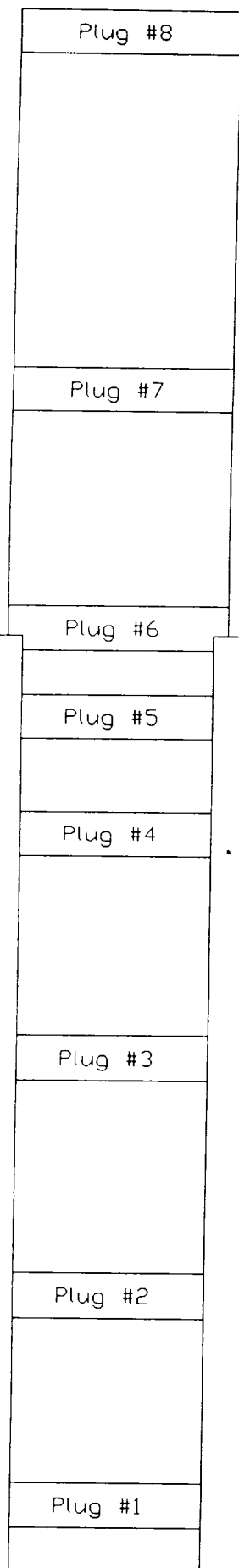
- VII.
 - 1. The proposed average daily rate of fluids to be injected is 2,000 BWPD, and the maximum daily rate of fluids to be injected is 5,000 BWPD.
 - 2. The system is a closed system.
 - 3. The anticipated average operating pressure is 0 psi and the anticipated maximum operating pressure is 1,000 psi.
 - 4. The source for injected fluid is Bough "C" and San Andres produced water being produced from the area west of Crossroads, New Mexico. An analysis of the injection fluid is attached.
 - 5. This zone is productive of oil or gas in the area of interest therefore there is no chemical analysis of Devonian formation water attached.

- VIII. The proposed injection interval, known as the Devonian, is a Dolomite zone having an average of 7% porosity. It is located at a depth of 12,760' and the thickness of the interval is not known because it has not been drilled through. The 13 3/8" casing was run to a depth of 467' to protect any underground sources of fresh water. There are no known sources of fresh water below 467' overlying the proposed interval, and no known sources immediately underlying the interval.
- IX. The proposed injection interval will be treated with 1,000 gallons of 20% NEFe acid down tubing with a packer set approximately 100' above the casing shoe. The average injection rate will be 5 to 7 BPM.
- X. Appropriate logs have been filed with the Division and do not need to be resubmitted.
- XI. There are no fresh water wells within one mile of the proposed disposal well, according to a search done by the New Mexico State Engineer's office.
- XII. Upon examination of the available geologic and engineering data, no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water was found.
- XIII. Notice of this application has been furnished by certified mail to the owner of the surface of the land on which the well is located and to each leasehold operator within one-half mile of the well location. The land owner and leasehold operators are listed below. Since this application is subject to administrative approval, proof of publication is also attached to this application and was published in the Hobbs News Sun, Lea County, New Mexico.

Land Owner: Commissioner of Public Lands
State Land Office
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Leasehold Operators: Yates Petroleum
Attn: Land Manager
105 S. 4th
Artesia, New Mexico 88210

JCM/sr/swdltrs/swdapp.s35
Attachments



State "35" #1
 Sec 35C 10S 33E
 Lea Co., NM
 Current Config
 Dec 10, 1998

13 3/8" 48 & 54.5# J55 csg
 set @ 467' cmt w/ 530 sx
 to surf.

8 5/8" 32# J55 csg set @ 4,206' cmt w/ 1,450 sx to surf.

<u>cmt plug</u>	<u>depth</u>	<u>cmt (sx)</u>
#1	12,750 - 12,570	55
#2	11,200 - 11,050	55
#3	8,900 - 7,645	100
#4	6,791 - 6,640	55
#5	5,326 - 5,210	50
#6	4,259 - 4,008	65
#7	2,000 - 1,866	35
#8	23 - 0	15

7 7/8" hole drilled to TD of 12,900'.

State "35" #1
Sec 35C 10S 33E
Lea Co., NM
Proposed Config
Dec 10, 1998

13 3/8" 48 & 54.5# J55 csg
set @ 467' cmt w/ 530 sx
to surf.

8 5/8" 32# J55 csg set @ 4,206' cmt w/ 1,450 sx to surf.

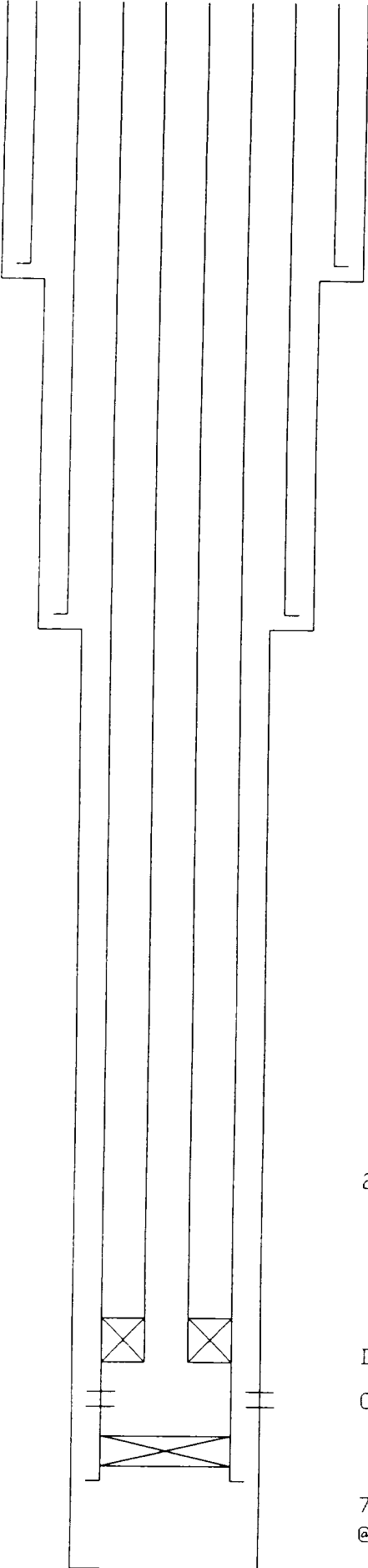
2 3/8" fiberglass tbg w/ double set pkr and
on-off tool set at 12,650'. Fresh water pkr fluid
to be in tbg/csg annulus.

5 1/5" 17 & 20# N80 csg set at 12,760' and cmt to
tie back w/ 8 5/8" csg. Open hole in the Devonian
to TD of 12,900'.

8 5/8" csg set @ 4,088' cmt w/ 1,500 sx to surf.

7 7/8" hole drilled to TD of 12,990'. Set 5 1/2" csg @ 12,819', cmt w/ 750 sx. TOC 8,925' by TS.

State 26 #1
Sec 26N 10S 33E
Lea Co., NM
Current Config.
Dec 10, 1998



13 3/8" csg set @ 468',
cmt w/ 475 sx to surf.

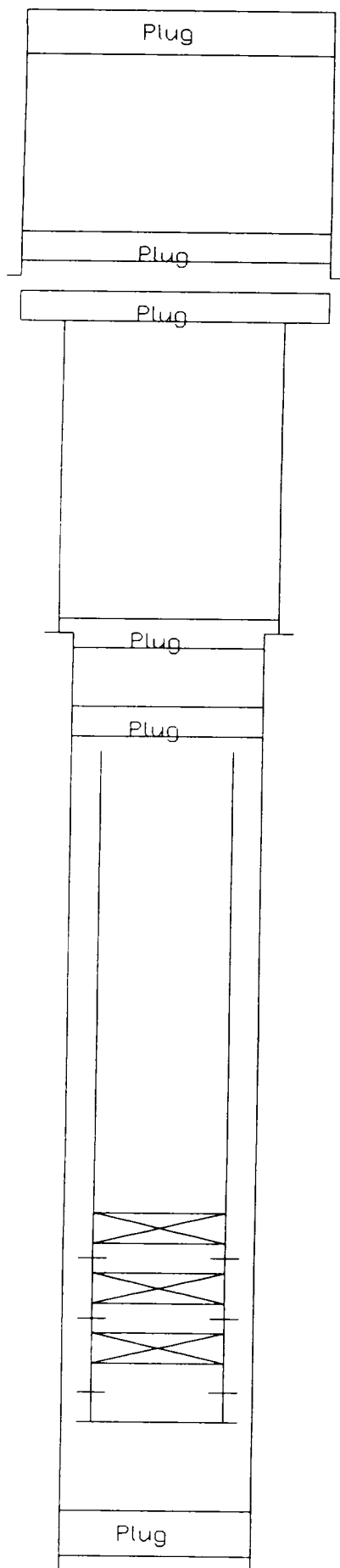
8 5/8" csg set @ 4,153' cmt w/ 1,600 sx.
TDC 1,000' by TS.

2 7/8" tbg set @ 12,595' w/ pkr set @ 12,583

Devonian perfs 12,646 - 78.

CIBP @ 12,740' capped w/ 18' cmt over perfs 12,749 - 54.

7 7/8" hole drilled to TD of 12,800'. Set 5 1/2" csg
@ 12,800', cmt w/ 800 sx. TDC 8,850' by CBL.



Set 10 sx surface plug.

Set 25 sx plug from
350 - 315'.

17 1/2" hole by 13 3/8" csg
set @ 317' cmt w/ 350 sx cmt to surf.

Cut and pulled 600' of 9 5/8" and set 15 sx plug
from 619 - 590.

9 5/8" csg set @ 4,219' cmt w/ 1,200. TDC 2,230' by TS.
Set 30 sx plug from 4,259 - 4,181'.

Cut and pulled 5 1/2" @ 5,514' and set 20 sx plug
from 5,768 - 5,514'.

Perfs 10,126 - 30, 9,908 - 11, 9,872 - 78, 9,864 - 72, and
9,878 - 84 w/ 4 spf. Set BP @ 10,090, 9,895, and 9,820.

TD 13,250'. Set 100 sx plug from 12,700 - 564'. Ran 10,330'
5 1/2" csg to 10,330', cmt w/ 500 sx. TDC 9,150' by TS.

State "E" 873 #1
Sec 35A 10S 33E
Lea Co., NM
Current Config
Dec 10, 1998

South Lane SWD Well
Lea Co., N.M.

ORIGINALY
HUMBLE O+G
NM STATE CA #1

THEN - RICE ENGR
Now - MERIT ENERGY

Need
CLOS
Completion records
+ Sandlines 11/65:

History

Acidz w/ 10,000 gals 15%
BHP = 4809 @ 12,890'
Inj down csg.

3/66: RIM w/ 3 1/2" tbg - wo PKR

8/67: Ran 3 1/2" Duoline & PC.
wo - PKR.

1/69: Fish parted tbg

3/79: Leak between 8 5/8" & 13 3/8"
csg. Ran csg insp. log. RIM w/
2 7/8" tbg. Set PKR @ 12,560'

6/84: Acidz w/ 500 gals HCl. Tbg
had ext. corr. RIM w/ B&S.
Bridge @ 9308'. POOH. Set
PKR @ 9211' - pumpdn csg
@ 3/4 BPM. POOH. Fish
tbg to 12,377. RIM &
set RTBP @ 11772 - could
go no deeper than 11,832'.
Located leak 1927'-1957'.
Pumped 150 sx Class 'C' -
had circ around 8 5/8" csg
Do cmt & test. CO well
to top of junk @ 12,872'.
Acidz w/ 5000 gals 20% HCl.

3/85: RIM w/ Guiberson PKR - Test
csg to 500#. Acidz w/ 1500
gals 15% HCl.

7/85: Acidz w/ 500 gals 15% HCl

10/85: Acidz w/ 500 gals 15% HCl.

1/86: Acidz w/ 500 gals 15% HCl.

6/86: " " " " " "

1/87: " " " " " "

6/87: " " " " " "

5/88: Replace tbg.

11/91: Replace tbg.

13 3/8", 48"
H-40 @ 347'
Circ
Csg leak @
1927-57.

8 5/8", 24 & 32"
J-55 @ 4087'
Circ

TOC @ 8925'

2 7/8" P.C., Salt &
Duoline & Tbg

Guiberson Uni-b
w/ ON-OFF Tool
@ 11,735

5 1/2" 17 & 20"
N-80 @ 12819

7/8"
LH.

TD = 12990

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

NEW MEXICO OIL CONSERVATION COMMISSION

AUG 18 11 45 AM '67

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-4-65

5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. -----
7. Unit Agreement Name South Lane SWD
8. Form or Lease Name South Lane SWD
9. Well No. D-35
10. Field and Pool, or Wildcat South Lane
12. County Lea

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Salt Water Disposal
2. Name of Operator Rice Engineering & Operating, Inc.
3. Address of Operator Box 1142, Hobbs, New Mexico
4. Location of Well UNIT LETTER <u>D</u> <u>500</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>10 S</u> RANGE <u>33 E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 4214.5 KB

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	
OTHER <u>Current well status per NMOCG letter dated 8-10-67</u> <input checked="" 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 1708.

- Took over well from Humble Oil & Refining Company, on 11-3-65 @ T.D. of 12,865' and deepened 7-7/8" hole to T.D. of 12,990'.
- Run 12,799.77' (372 JTS)-5-1/2" O.D., 17# & 20#, N-80, LT&C, 8 RT, new ss casing set @ 12,819' and cemented w/750 sax cement on 11-5-65. Run temp. survey and found cement top at 8,925'.
- WOC for 24 hrs. Tested 5-1/2" casing w/1,000# for 30 min.
- Acidized open hole from 12,819' to 12,990' w/10,000 gal. of 15% regular acid and took maximum gravity injection test down 5-1/2" casing at rate of 438 BWPH on 11-10-65.
- Run 12,795.64' (421 JTS)-3-1/2" O.D., EUE, 9.3#, N-80, 8 RT new plastic-lined tubing set @ 12, 818' and loaded annulus w/126 bbls. of oil. Started injecting water on 12-4-65.
- This well still being utilized as a SWD Well.

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

SIGNED L. B. Goodheart TITLE Division Manager DATE 8-17-67

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

ORIGINAL & COPY TO BE
SIGNED & DATED BY
ENGINEER IN CHARGE
ORIGINAL Humble Oil & Refining Co.
NM STATE CA #1 - RICE ENGR - MERIT ENERGY

DATE

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Nov 4 1 12 PM '65

Name of Company Rice Engineering & Operating, Inc.				Address Box 1142, Hobbs, New Mexico			
Lease South Lane SWD	Well No. D-35	Unit Letter D	Section 35	Township 10 S	Range 33 E		
Date Work Performed 11-3-65	Pool South Lane			County Lea			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well drilled by Humble Oil & Refining Company as their New Mexico State C A No. 1 was taken over by Rice Engineering at 9:00 AM on November 3, 1965 after Humble declared well dry in Devonian. Rice Engineering plans to engage the present drilling contractor that has rig over hole, deepen approximately 100 feet and complete as a disposal well in the Devonian zone from 12,820 to T.D. estimated to be 12,965 feet. This disposal well will be utilized by the South Lane SWD System.

Witnessed by		Position		Company		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev. 4,213	T D 12,865	P B T D -	Producing Interval dry hole	Completion Date drilling		
Tubing Diameter		Tubing Depth		Oil String Diameter	Oil String Depth	
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by				Name <i>W. G. Abbott</i>		
Title				Position Division Manager		
Date				Company Rice Engineering & Operating, Inc.		

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Form C-105
Revised 1-1-65

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

5a. Indicate Type of Lease
State ☒ Fee ☐
5b. State Oil & Gas Lease No.
OG-4303

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____		7. Unit Agreement Name -	
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		8. Farm or Lease Name New Mexico State "CA"	
2. Name of Operator HUMBLE OIL & REFINING COMPANY (Well turned over to Rice Engineering to be used as a Salt Water Disposal Well)		9. Well No. 1	
3. Address of Operator P.O. Box 2100, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat South Lane Penn.	
4. Location of Well UNIT LETTER <u>NDM</u> LOCATED <u>500</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>35</u> TWP. <u>10-S</u> RGE. <u>33-E</u> NMPM		12. County Lea	
15. Date Spudded 8-27-65	16. Date T.D. Reached 10-30-65	17. Date Compl. (Ready to Prod.) None	18. Elevations (DF, RKB, RT, GR, etc.) 4213' D.F.
19. Elev. Casinghead 21.00		20. Total Depth 12,865' T.D.	
21. Plug Back T.D. None		22. If Multiple Compl., How Many -	
23. Intervals Drilled By Rotary Tools 0-12,865		24. Cable Tools -	
Producing Interval(s), of this completion - Top, Bottom, Name Dry Hole			25. Was Directional Survey Made No
Type Electric and Other Logs Run Section Gauge, Laterolog, Microlaterolog, Sonic-Gamma Ray			27. Was Well Cored Yes
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
13-3/8"	48	340	17-1/2"
8-5/8"	21# & 32#	4088	11"
CEMENTING RECORD		AMOUNT PULLED	
400		-	
1700		-	
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
-	-	-	-
30. TUBING RECORD		PACKER SET	
SIZE	DEPTH SET	-	
31. Perforation Record (Interval, size and number) None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
None		-	
33. PRODUCTION			
Date First Production -	Production Method (Flowing, gas lift, pumping - Size and type pump) Dry Hole		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 Gravity - API (Corr.) -
34. Disposition of Gas (Sold, used for fuel, vented, etc.) -			Test Witnessed By -
35. List of Attachments One Supplemental Sheet, and list of deviation tests.			
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.			
COPY ORIGINAL SIGNED: E. S. DAVIS			
SIGNED _____		TITLE District Adm. Supvr.	DATE 11-12-65

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 <u>1177</u>	T. Canyon <u>10095</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>10679</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	11266 Bend <u>11266</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>1177</u>	11773 Chester <u>11773</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	11936 Miss. <u>11936</u>	T. Menefee _____	T. Madison _____
T. Queen _____	12710 Woodford <u>12710</u>	Point Lookout _____	T. Elbert _____
T. Grayburg _____	12819 Devonian <u>12819</u>	Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Elinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>1177</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>1177</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>1177</u>	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
9680 (Bough C) <u>9680</u>	T. _____	T. Penn. "A" _____	T. _____

Formation tops above the Bough C are same as those of Tenneco's #2-Y State Tract OG-4303, located 660 FNL, 660 FORMATION RECORD (Attach additional sheets if necessary) FWL, Unit "D", Section 35, T-10-S, R-38-E, Lea County, New Mexico.

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	195	195	Surface	12512	12739	227	Lime & Shale
195	351	156	Surface, Red Bed & Sand	12739	12770	31	Lime, Shale & Sand
351	1850	1499	Red Bed	12770	12852	82	Lime & Shale
1850	2140	290	Red Bed, Anhydrite & Salt	12852	12865	13	Lime
2140	2530	390	Anhydrite & Salt		T.D.		
2530	3889	1359	Anhydrite				
3889	3993	104	Anhydrite & Lime				
3993	5775	1782	Lime				
5775	6061	286	Lime & Sand				
6061	7533	1472	Lime				
7533	7688	155	Lime & Shale				
7688	7795	107	Shale				
7795	8565	770	Shale & Lime				
8565	8785	220	Lime				
8785	9775	990	Lime & Dolomite				
9775	9920	145	Lime				
9920	9962	42	Lime & Dolomite				
9962	10118	156	Lime				
10118	10297	179	Lime & Shale				
10297	10942	645	Lime				
10942	11295	353	Lime & Chert				
11295	11918	623	Lime & Shale				
11918	12102	184	Lime, Shale & Chert				
12102	12246	144	Lime & Chert				
12246	12348	102	Lime, Shale & Chert				
12348	12410	62	Lime & Shale				
12410	12512	102	Lime, Shale & Chert				

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NEW MEXICO OIL CONSERVATION COMMISSION

SEP 9 11 22 AM '65

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
OG-4303

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
Humble Oil & Refining Company	New Mexico State CA
3. Address of Operator	9. Well No.
Box 2100, Hobbs, New Mexico 88240	1
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER <u>D</u> <u>500</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM	South Lane Penn.
THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>10-S</u> RANGE <u>33-E</u> NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
To be filed later.	Lea

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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <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.

Ran 4067' (126 joints) 8-5/8" casing, 32#, J-55, set at 4088'. Cemented with 1st stage: 900 sxs Incor Posmix with 8% Gel plus 10# salt per sx. Circulated cement for 4 hours. No returns on cement. Cemented with 2nd stage: 600 sxs Incor Posmix with 8% Gel plus 8# salt per sx. POB 12 Midnight, 9-3-65. Cement circulated. WOC 26 hours. Tested casing with 1000# pressure for 30 minutes - no drop in pressure. Drilled plug at 2:15 AM, 9-5-65. Drilling.

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

SIGNED E. J. [Signature] TITLE Dist. Adm. Supvr. DATE 9-8-65

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

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

AUG 31 8 00 AM '65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
OG-4303	

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Humble Oil & Refining Company		8. Farm or Lease Name New Mexico State CA
3. Address of Operator Box 2100, Hobbs, New Mexico 88240		9. Well No. 1
4. Location of Well UNIT LETTER <u>D</u> <u>500</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>10-S</u> RANGE <u>33-E</u> NMPM.		10. Field and Pool, or Wildcat South Lane Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) To be filed later.		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 <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <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.

Spudded 17-1/2" hole at 10:00 AM, 8-27-65. Ran 324' (10 jts.) 13-3/8" casing, 48#, H-40, set at 340'. Cemented with 400 axs with 4% Gel and 2% Cal. Chlo. POB 2:15 AM, 8-29-65. Cement circulated. WOC 19 hours. Tested casing with 800# pressure for 30 minutes - no drop in pressure. Drilled plug at 9:00 PM, 8-29-65. Drilling.

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

SIGNED [Signature] TITLE Dist. Adm. Supvr. DATE 8-30-65

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

NOV 14 PM 3:10

COMPANY Jake L. Hamon - 102 Western Bldg. Midland, Texas
(Address)

LEASE State "E" 873 WELL NO. 1 UNIT A S 35 T 10-S R 33-E

DATE WORK PERFORMED 11-8-56 POOL Wildcat

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☒ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

Approval obtained by phone from Mr. Reider to plug as follows:
TD 13,250'. Set 100 sack cement plug from 12,700' to 12,564'. Ran 10,330'
of 5-1/2" casing K.B. Cemented w/500 sks cement. Top of cement by Temp. Survey
@ 9150'. Set bridging plug @ 10,090' K.B.; set bridging plug @ 9895'; set
bridging plug @ 9820'. Shot off casing @ 7600', wouldn't plug pull; shot casing
off @ 7000' - wouldn't pull. Shot again @ 5514' and pulled pipe. 20 sk cement
plug from 5514' to 5768'; 30 sk cement plug from 4181' in 9-5/8" to 4259'.
15 sk cement plug from 590' to 619'; 25 sk cement plug from 350' to 315';
10 sk cement plug in top of 13-3/8" Surface Casing. ~~XX~~ Pulled 5514' of 5-1/2"
Casing and 600' of 9-5/8" Casing.

Location has not been cleaned & leveled as yet. Will notify you when location
is ready for inspection.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date

Tbng. Dia Tbng Depth Oil String Dia Oil String Depth

Perf Interval (s)

Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by T.L. Tilghman

BEFORE

AFTER

Jake L. Hamon

(Company)

OIL CONSERVATION COMMISSION

Name W. A. Gressard

Title Oil & Gas Inspector

Date APR 24 1957

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

Name J. W. Lettner

Position Chief Clerk

Company Jake L. Hamon

JAKE HAMON
ST E 873 #1