

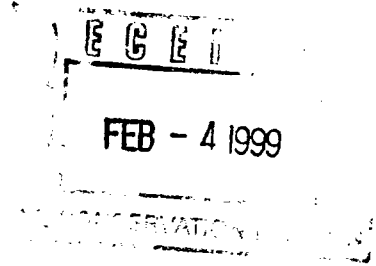
SWD 2/19/99

737

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

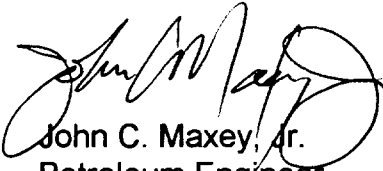
Ladies & Gentlemen:

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.

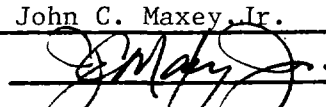

John C. Maxey, Jr.
Petroleum Engineer

JCM/sr/swdltrs/ocd35#1

Enclosures

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

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. _____

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.

✓ 2.

<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. p4A 12-95

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.

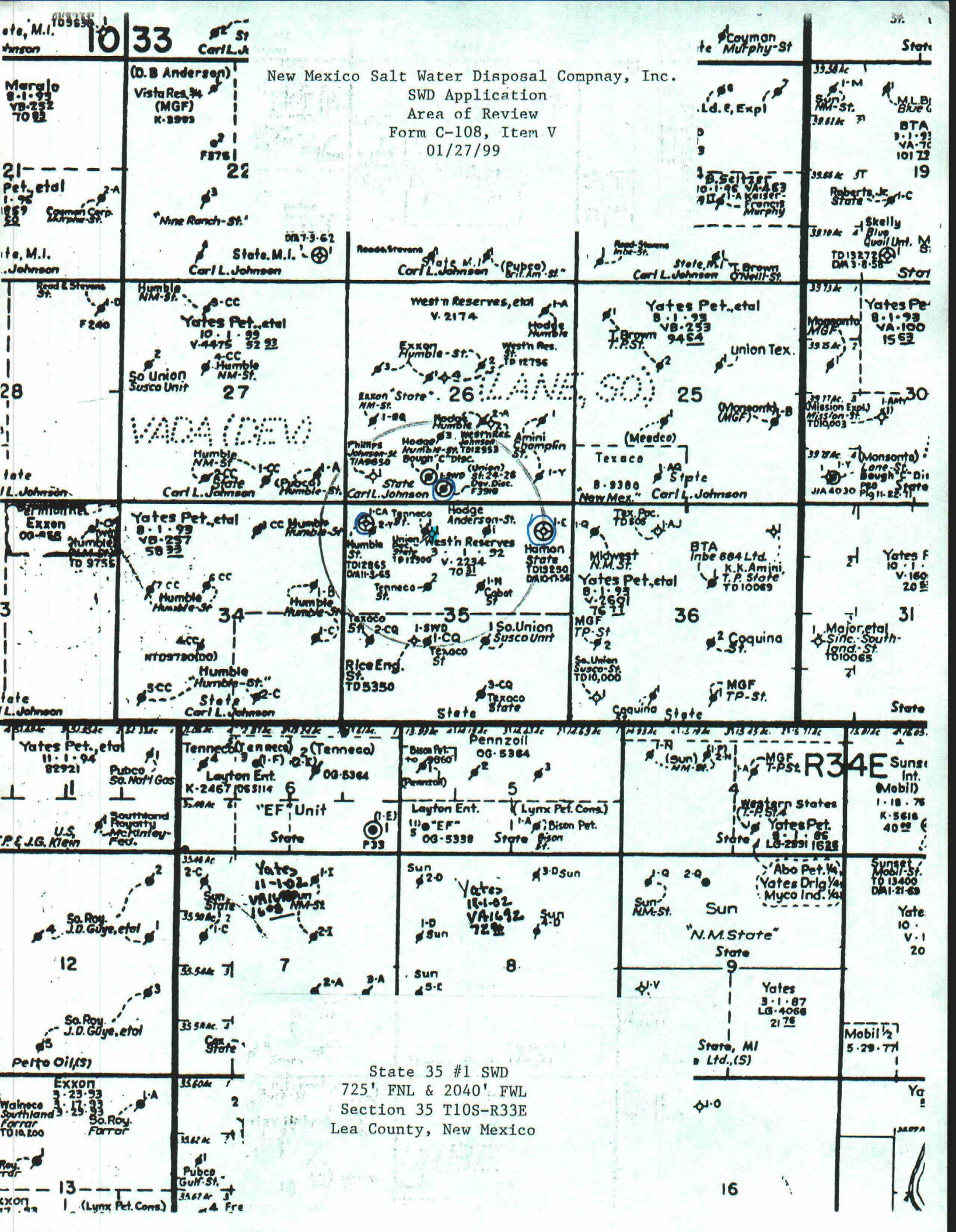
- VII.
 - 1. The proposed average daily rate of fluids to be injected is 2,000 BWPD, and the maximum daily rate of fluids to be injected is 5,000 BWPD.
 - 2. The system is a closed system.
 - 3. The anticipated average operating pressure is 0 psi and the anticipated maximum operating pressure is 1,000 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



New Mexico Salt Water Disposal Company, Inc.
SWD Application
Area of Review
Form C-108, Item V
01/27/99

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

Plug #8

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.

Plug #7

Plug #6

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

Plug #5

Plug #4

cmt plug

depth

cmt (sx)

#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

Plug #3

Plug #2

ILLEGIBLE

Plug #1

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

State "35" #1
Sec 35C 10S 33E
Leo 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.

ILLEGIBLE

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'.

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

13 3/8" csg set @ 340',
cmt w/ 400 sx to surf.

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

ILLEGIBLE

Guiberson Uni VI w/ on-off tool @ 11,735' on 2 7/8"
PC, Solto, & Duoline tbg.

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.

ILLEGIBLE

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

Devonian perfs 12,646 - 78.

CIBP @ 12,740' copped 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.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30 025 30064

5. Indicate Type of Lease

10 0 52

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-2174

7. Lease Name or Unit Agreement Name

State "26"

8. Well No.

1

9. Pool name or Wildcat

Vada (Devonian)

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. Type of Well:

OIL
WELL ☐

GAS
WELL ☐

OTHER Saltwater Disposal

2. Name of Operator

Western Reserves Oil Co. Inc.

3. Address of Operator

P. O. Box 993, Midland, TX 79702

4. Well Location

Unit Letter N : 330 Feet From The south Line and 2310 Feet From The west Line

Section 26

Township

10S

Range 33E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4196 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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

1. MIRUSU. Remove tubing flange & NUBOP. Release injection packer. TOH w/tubing string.
2. TIH w/5½" CIBP & 2 7/8" tubing to 12,600'. Set CIBP. (Note: Perfs 12,646-12678')
3. Circ hole w/300 bbls 10# brine w/150 sks SW gel. Spot 10 sk cmt plug on CIBP.
4. Pick up tubing to 8,850' & spot 25 sk plug from 8,850'-8,600'. (Wolfcamp)
5. Pick up tubing to 5,400' & spot 25 sk plug from 5,400'-5,160'. (Glorieta)
6. TOH w/work string & free point casing. Anticipate free pipe at approx 4,350'. cut casing w/4" jet cutter & pull & LD casing.
7. RIH w/tubing to 4,400' & set 100 sk cmt plug from 4,400'-4,050'. Tag plug.
8. Pick up to 1,950' & spot 35 sk plug to 1,850'.
9. Pick up to 30' & spot 12 sk plug at surface.
10. clean up location. Cut off anchors. Install dry hole markers.

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

SIGNATURE

TITLE Engineer

DATE 12-13-95

TYPE OR PRINT NAME Christopher P. Renaud

TELEPHONE NO. 915 683-51

(This space for State Use)

DISTRICT 1 SUPERVISOR

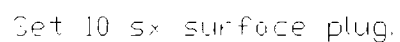
DEC 19 1995

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



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

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

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

ILLEGIBLE

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. TOC 9,150' by TS.

South Lane SWD well

Lea Co., N.M.

ORIGINALLY
HUMBLE O+L
NM STATE CA #1

THEN - RICE ENGR
NOW - MERIT ENERGY

Need
C105
completion records
+ Sandries 11/65:

History

- Acidz w/ 10,000 gals 15%
BHP = 4809 @ 12,800'
Inj down csg.
- 3/66: RIM w/ 3 1/2" thg - wo PKR
- 8/67: Ran 3 1/2" Duoline & PC.
wo - PKR.
- 1/69: Fish parted thg
- 3/79: Leak between 8 5/8" & 13 3/8"
csg. Ran csg insp. log. RIM w/
2 7/8" thg. Set pkcr @ ± 12,500'
- 6/84: Acidz w/ 500 gals HCl. Thg
had ext. corr. RIM w/ B+S.
Bridge @ 9308'. POOH. Set
PKR @ 9211' - pump dn csg
@ 3/4 BPM. POOH. Fish
thg to 12,377. RIM &
set RTOP @ 11772 - could
go no deeper than 11,832'.
Located leak 1927'-1957'.
Pumped 150 sx Class 'C' -
had circ around 8 5/8" csg
PO cnt & 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 thg.
- 11/91: Replace thg.

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 & Thg

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	
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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 1-1-65

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. Farm 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: 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 JOBS <input checked="" type="checkbox"/>	
		OTHER <u>Current well status per NMOCCL</u> <input checked="" type="checkbox"/> <u>letter dated 8-10-67</u>	

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

SIGNATURE

DATE

CONDITIONS OF APPROVAL, IF ANY

ORIGINAL 2 SETS
ENGINEER'S TEST REPORT
ORIGINALLY HUMBLE OIL & CO.
NM STATE CA #1 - RICE ENGR - MERIT ENERGY

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> W. G. Abbott		
Title				Position Division Manager		
Date				Company Rice Engineering & Operating, Inc.		

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 1-1-65

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

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

10. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____
b. TYPE OF COMPLETION
NEW I WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

2. Name of Operator
HUMBLE OIL & REFINING COMPANY (Well turned over to Rice Engineering to be used as a Salt Water Disposal Well)

3. Address of Operator
P.O. Box 2100, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER **"D"** LOCATED **500** FEET FROM THE **North** LINE AND **500** FEET FROM THE **West** LINE OF SEC. **35** TWP. **10-S** RGE. **33-E** NMPM

7. Unit Agreement Name
-

8. Farm or Lease Name
New Mexico State "CA"

9. Well No.
1

10. Field and Pool, or Wildcat
South Lane Penn.

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
0-12,865

24. Producing Interval(s), of this completion - Top, Bottom, Name
Dry Hole

25. Was Directional Survey Made
No

27. Was Well Cored
Yes

Section Gauge, Laterolog, Microlaterolog, Sonic-Gamma Ray

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	340	17-1/2"	400	-
8-5/8"	24# & 32#	4088	11"	1700	-

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
-	-	-	-	-	-	-	-

31. Perforation Record (Interval, size and number)
None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL
None
AMOUNT AND KIND MATERIAL USED

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 - 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
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>158</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 _____	_____ Bend <u>11266</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>111</u>	_____ Chester <u>11773</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	_____ Miss. <u>11936</u>	T. Menefee _____	T. Madison _____
T. Queen _____	_____ Woodford <u>12710</u>	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	_____ Devonian <u>12819</u>	T. 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. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>172</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>1612</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>8532</u>	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
_____ (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 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. OG-4303	
7. Unit Agreement Name -	
8. Farm or Lease Name New Mexico State CA	
9. Well No. 1	
10. Field and Pool, or Wildcat South Lane Penn.	
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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>
2. Name of Operator Humble Oil & Refining Company
3. Address of Operator Box 2100, Hobbs, New Mexico 88240
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.)

To be filed later.

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

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

OTHER ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOBS ☐

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

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. H. Lewis

TITLE Dist. Adm. Supvr.

DATE 9-8-65

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

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 JOBS <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 sxs 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 _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MISCELLANEOUS REPORTS ON WELLS

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

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 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:

	BEFORE	AFTER
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

Jake L. Hamon

(Company)

OIL CONSERVATION COMMISSION

Name W. A. Gressett
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. Betters
Position Chief Clerk
Company Jake L. Hamon

TAKZ HAMON
ST E 873 #1

QUINTUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE Santa Fe, New Mexico

1955 NOV 14 PM 3

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Jake L. Hanson

(Company or Operator)

State "N" 873

(Lease)

Well No. 1 in NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 35, T. 10-S, R. 33-N, NMPM.

Wildcat

Pool,

Lea

County.

Well is 660 feet from North line and 660' feet from East lineof Section 35. If State Land the Oil and Gas Lease No. is "N" 873Drilling Commenced June 8, 1956, Drilling was Completed October 13, 1956.Name of Drilling Contractor A.W. Thompson, Inc.Address Odessa, TexasElevation above sea level at Top of Tubing Head 4206 The information given is to be kept confidential until

- - -

, 19

OIL SANDS OR ZONES

No. 1, from None to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to feet.

No. 2, from to feet.

No. 3, from to feet.

to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48	New	317'	Baker	None	None	Surface
9-5/8"	36 & 40	New	4219'	Baker	600'	None	Intermediate
5-1/2"	17	New	10,330	Baker	5514'	10,126-30,9908-11;	
						9872-78; 9864-72;	
						9878-84, W/4 jets per ft.	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	317	350	Pump & plug	- - -	- - -
12-1/4	9-5/8	4219'	1200	Pump & Plug	- - -	- - -
8-3/4	5-1/2	10,330'	500	pump & plug	- - -	- - -

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

10-9-56: Acidized W/250 gallons Mud Acid - N Swabbed acid water

10-10-56: Acidized W/1000 gallons 15% Acid- Flowed Salt Water & Acid Water

Result of Production Stimulation Flowed little oil & lots of salt water.

Depth Cleaned Out

JAKE HANSON
STATE E 873 #1

NEW MEXICO OIL CONSERVATION COMMISSION
HOBBS OFFICE OCT
MISCELLANEOUS REPORTS ON WELLS

DUPLICATE

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

1956 OCT 25 PM 2:43

COMPANY XXXX 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 10-10-56 POOL Wildcat

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Acidizing

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

Acidized with 1000 gallons Dowell X Acid. Packer set at 9500'. Acidized thru tubing. Maximum pressure on tubing 3800#. Average Injection Rate 2.7 BPM thru perforations 9864' to 9884'.

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:	BEFORE	AFTER
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 <u>CHESTER PHILLIPS</u>	<u>JAKE L. HAMON</u>	
	(Company)	

OIL CONSERVATION COMMISSION

Name C. M. Leedy
Title Engineer District 1
Date OCT 26 1956

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

Name J. W. Dettus
Position CHIEF CLERK
Company JAKE L. HAMON

JAKE HAMON
ST E 873 #1

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

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

COMPANY

JAKE L. HAMON

1956 OCT 11 PM 2:54

(Address)

102 WESTERN BLDG., MIDLAND, TEXAS

LEASE STATE "E" 873 # WELL NO. 1 UNIT A S 35 T 10-S R 33-E
DATE WORK PERFORMED 10-8-56 POOL Wilcat

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Acidizing

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

Acidized with 250 gallons thru perforations from 9864' to 9884'.

Pumped in at 6000# Pressure. Injection Rate .2 Barrels per minute.

Swabbed dry.

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:

BEFORE

AFTER

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

(Company)

OIL CONSERVATION COMMISSION

Name

Title

Date

Engineer District 11

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

Name

Position

Company

Chief Clerk

Jake L. Hamon

OCT 15 1956

JAKE HAMON
ST E 873 #1

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

COMPANY

JAKE L. HAMON

1956 OCT 11 PM 2:53
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 10-8-56 POOL Wildcat

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Acidizing

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

Acidized Perforations from 9908' to 9911' with 250 gallons 15% Acid.
Broke down from 6400# to vacuum. Squeezed Perforations with 33 sacks
of cement. Maximum Pressure 7200#.

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:

BEFORE

AFTER

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

OIL CONSERVATION COMMISSION

Name M. Luedy
Title Engineer District 1
Date OCT 15 1956

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

Name J. W. Lett
Position Chief Clerk
Company JAKE L. HAMON

JAKE HAMON
ST & 873 #1

NEW MEXICO OIL CONSERVATION COMMISSION

S4400 Fec New Mexico
HOODS OFFICE OCC

MISCELLANEOUS NOTICES

1956 OCT 4 PM 2:43

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE	X	NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Midland, Texas

10-2-56

(Place)

(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the State of 873

Jake L. Hamon

(Company or Operator)

Well No. 1 in A

(Unit)

NE 1/4 NE 1/4 of Sec. 85, T. 10-S, R. 33E, NMPM, Wildcat Pool

(40-acre Subdivision)

Lee County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Perforating Plan:

Will perforate from 10,126' to 10,130' with 4 jets per ft. and test. If test is non-productive will set Bridging Plug and perforate from 9908' to 9911' with 4 jets per ft. and test. If test is non-productive will squeeze off perforations. Will perforate from 9872' to 9878' with 4 jets per ft. and test. If test is non-productive will set Bridging Plug. Will perforate from 9786' to 9792' with 4 jets per ft. and test.

JAKE HAMON
ST E 873 #1Approved....., 19.....
Except as follows: OCT 5 1956

JAKE L. HAMON

Company or Operator

By J. W. Setters

Position Chief Clerk

Send Communications regarding well to:

Approved
OIL CONSERVATION COMMISSION

By C. M. Lueders

Title Engineer District 1

Name JAKE L. HAMON

Address 102 Western Bldg., Midland, Texas

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

1956 OCT 8 AM 7:27

COMPANY JAKE L. HAMON

(Address)

LEASE STATE E 873 WELL NO. 1 UNIT A S 35 T 10-8 R 33-E
DATE WORK PERFORMED 10-1-56 POOL Wildcat

This is a Report of: (Check appropriate block)

☐ Beginning Drilling Operations

☐ Plugging

☒ Results of Test of Casing Shut-off

☐ Remedial Work

☐ Other

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

Set 266 jts. 5 1/2" 17 1/2" N-80 E-3 New Casing
K. B. to Top Collar
Set at

10,335.67'

5.20'

10,330.47'

Cemented with 500 lbs Trinity Inferno E10-set cement by B. J. Services, Inc
on 10-1-56. Plug down at 11:15 PM Top of cement by survey at 9150'.

10-1-56, tested casing with 1500# psi clear water pressure for 1 hour.
No pressure loss.

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:

BEFORE

AFTER

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

OIL CONSERVATION COMMISSION

Name C. M. Kreyer
Title Engineer District III
Date OCT 8 1956

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

Name J. W. Dettus
Position Chief Clerk
Company Jake L. Hamon

JAKE HAMON
SE 873#1

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

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 6-18-56 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.

Set 15 jts. 9 5/8" 40# J-55, R-2, New ST & C	447.05'
121 jts. 9 5/8" 36# J-55, R-2, New ST & C	3777.74'
136 jts.	4224.79'
K. B. to Top Collar	5.25'
Set at	4219.54' K. B.

Cemented with 1000 sacks Trinity Inferno Slo-set cement plus 4% Gel and 200 sacks of neat by B.J. Services, Inc. on 6-18-56. Plug down at 1:53 P.M. Top of cement by survey at 2230'. Waited 48 hours and tested casing with 1000# Psi with clear water for 1 hour. No pressure loss.

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:

BEFORE AFTER

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 <u>H. W. Shaw</u>	<u>JAKE L. HAMON</u>	

(Company)

OIL CONSERVATION COMMISSION

Name *C. M. Lueder*
Title _____
Date _____

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

Name *J. W. Pettus*
Position Chief Clerk
Company Jake L. Hamon

DUPLICATE

Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

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 6-10-56 POOL Wilcoat

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.

Set 10 jts. 13-3/8" 48# H-40 R2 STC New Casing 301.00'
Collar to K.B. 16.00'
Set at 317.00'

Cemented with 350 Sacks Common Cement by B.J. Services, Inc. Plug down
at 4:00 P.M. 6-9-56. Circulated Cement.

Waited 24 hours and tested Casing with 1000# psi with clear water for 1 hour.
No pressure loss.

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:

BEFORE

AFTER

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 B.H. Sparkman

A.W. Thompson, Inc.

(Company)

OIL CONSERVATION COMMISSION

Name C. M. Ludeke
Title Engineer District I
Date JUN 12 1956

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

Name John Dettner
Position Chief Clerk
Company Jake L. Hamon

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 1-1-85

*Had C105
+ Sandries*

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
V-2234	

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 <input type="checkbox"/> GAS <input type="checkbox"/> OTHER- Dry hole		7. Unit Agreement Name
2. Name of Operator Union Pacific Resources Company		8. Farm or Lease Name State 35
3. Address of Operator 1000 Louisiana, Suite 3000, Houston, TX 77002		9. Well No. 1
4. Location of Well UNIT LETTER C, 725 FEET FROM THE North LINE AND 2040 FEET FROM THE West LINE, SECTION 35 TOWNSHIP 10S RANGE 33E NMPM.		10. Field and Pool, or Wildcat Vada (Devonian)
15. Elevation (Show whether DF, RT, GR, etc.) 4196.7 GR		12. County Lea

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

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
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.

On 9-29-88 RU Howco and mls Class H +.2% HR022 with plugs as follows:

- #1 - 55 sx from 12750' - 12570' (180')
- #2 - 55 sx from 11,200' - 11,050' (150')
- #3 - 100 sx from 8900' - 7645' (255')
- #4 - 55 sx from 6791' - 6640' (151')
- #5 - 50 sx from 5326' - 5210' (116')

PBTD 5210', circ @ 5173'. LD DP. ND BOP's. Install 11" 3000# WP flange and valve. Clean pits. Well is TA'd

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

SIGNED Marilyn Day

TITLE Regulatory Analyst

DATE 12/5/88

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

PROVED BY _____

TITLE _____

DATE DEC 7 1988

CONDITIONS OF APPROVAL, IF ANY:

TA expires 12-7-89

Well Log Diagram - DATE 55-1

13 3/8" 48-54 #
J-55 csg @ 469'
in 12 1/2" hole.

Cemented with 530 SX5
class C w/ 2% CaCl₂
Cement returns to surface.

8 5/8" 32 # J-55
csg @ 4206'
in 11" hole.

Cemented with 1450 SX5
class C. Cement returns
to surface.

7 7/8" hole drilled
to 12,900'

Plug #5
Plug #4
Plug #3
Plug #2
Plug #1

The subject well was
temporarily abandoned
on 10-1-88 as follows:

Cement Plug	Depth	Zone (top of)
1	12,750' - 12,570'	Devonian
2	11,200' - 11,050'	Albion
3	8,900' - 7,645'	Wolfcamp
4	6,791' - 6,640'	Tubb
5	5,326' - 5,210'	Glorietta

Cement Plug	Class H Cont (SX5)	Linear FT
1	55	180'
2	55	150'
3	100	255'
4	55	151'
5	50	116'

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-30384
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-2234
7. Lease Name or Unit Agreement Name State 35
8. Well No. 1
9. Pool name or Wildcat Vada (Devonian)

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. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry Hole	
2. Name of Operator Union Pacific Resources Company	
3. Address of Operator P. O. Box 7 - MS 3407, Fort Worth, TX 76101-0007	
4. Well Location Unit Letter C : 725 Feet From The North Line and 2040 Feet From The West Line Section 35 Township 10S Range 33E NMMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4196.7' GR	

11. 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. 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.

Operations to plug and abandon began 12-6-89 and were completed 12-7-89.

Spotted 65 SX Class "C" w/2% CaCl from 4259-4008'. WOC 4 hrs.

Spotted 35 SX Class "C" w/2% CaCl from 2000-1866'. SDFN.

Cut off 13-3/8" x 11" head.

Pumped 15 SXS Class "C" w/2% CaCl down 13-3/8" casing for surface plug.

Installed dry hole marker and cleaned location.

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

SIGNATURE Kris Curran TITLE Regulatory Analyst DATE 12-10-91
TYPE OR PRINT NAME Kris Curran TELEPHONE NO. (817) 877-6000

(This space for State Use)

APPROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE 12-10-91
CONDITIONS OF APPROVAL IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-30384	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. V-2234	
7. Lease Name or Unit Agreement Name State 35	
8. Well No. 1	
9. Pool name or Wildcat Vada (Devonian)	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____

c. Name of Operator
Union Pacific Resources Company

d. Address of Operator
P.O. Box 7 - MS 3407 Fort Worth, Texas 76101-0007

e. Well Location
Unit Letter C : 725 Feet From The North Line and 2040 Feet From The West Line

Section 35 Township 10 S Range 33 E NMPM LEA County _____

10. Date Spudded 8-9-88	11. Date T.D. Reached 10-1-88	12. Date Compl. (Ready to Prod.) Dry Hole	13. Elevations (DF & RKB, RT, GR, etc.) 4196.7 GR	14. Elev. Casinghead
----------------------------	----------------------------------	----------------------------------------------	------------------------------------------------------	----------------------

5. Total Depth 12,900'	16. Plug Back T.D. 5,210	17. If Multiple Compl. How Many Zones? N/A	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>
---------------------------	-----------------------------	-----------------------------------------------	-------------------------------------------------------------------------------------------------------------------

9. Producing Interval(s), of this completion - Top, Bottom, Name
Dry Hole

20. Was Directional Survey Made
Yes

21. Type Electric and Other Logs Run
Dual/Micro-SFL/GR, CL/N, LS/SONIC, FMS

22. Was Well Cored
No

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# 54#	467'	17-1/2"	530 sx C	
8-5/8"	32# 24#	4206'	12-1/4"	1250 sx 11 WT 200 sx C	
5-1/2"	17#	12843'	7-7/8"	500 sx 50/50 P07	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
None				None		

26. Perforation record (interval, size, and number) None	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	None	

PRODUCTION							
28. 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.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By _____

30. List Attachments
Logs, Deviation Survey

31. 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 Karen S. Moss Printed Name Karen S. Moss Title Regulatory Analyst Date 8-2-89

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 25 through 29 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

T. Anhy _____	T. Canyon _____ 10054
T. Salt _____	T. Strawn _____ 10561
B. Salt _____	T. Atoka _____ 11196
T. Yates _____	T. Miss _____ 11674
T. 7 Rivers _____	T. Devonian _____ 12762
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____ 5326	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinberry _____	T. Gr. Wash _____
T. Tubb _____ 6772	T. Delaware Sand _____
T. Drinkard _____ 6924	T. Bone Springs _____
T. Abo _____ 7614	T. _____
T. Wolfcamp _____ 8690	T. _____
T. Penn _____ 9558	T. _____
T. Cisco (Bough C) _____ 9656	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzie _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
5326'	6772'	1446'	T. Glorieta				
6772'	6924'	152'	T. Tubb				
6924'	7614'	690'	T. Drinkard				
7614'	8690'	1076'	T. Abo				
8690'	9558'	868'	T. Wolfcamp				
9558'	9656'	98'	T. Penn				
9656'	10054'	398'	T. Cisco (Bough C)				
10054'	10561'	507'	T. Canyon				
10561'	11196'	635'	T. Strawn				
11196'	11674'	478'	T. Atoka				
11674'	12762'	1088'	T. Miss				
12762'	12900'	138'	T. Devonian				

RECORDED

AUG 7 1953

OCC

MINERS OFFICE

152 Conf. Diagram - 1st A⁺ 35-1

1 33/8" 48-54 #
JSS csg @ 467'
in 17 1/2" h/c.

Cemented with 530 5X5
class C w/ 2% CaCl₂
Cement extends to surface.

8 5/8" 32 # J55
csg @ 4206'
in 11" hole.

Cemented with 1450 SX
class C. Proment Refractive
to surface.

Plug #5

Plug #4

Pl. y #3

The subject well was temporarily abandoned on 10-1-88 as follows:

7 7/8" hole drilled
to 12,900'

plug #2

<u>Cement Plug</u>	<u>Depth</u>	<u>Zone (top of)</u>
1	12,750' - 12,570'	Devonian
2	11,200' - 11,050'	Atlanta
3	8,900' - 7,645'	Wolfcamp
4	6,791' - 6,640'	Tubb
5	5326' - 5210'	Glorietta

Cement Plug	CHAS H Cmt (SXS)	Linear Ft
1	55	180'
2	55	150'
3	100	255'
4	55	151'
5	50	116'

plug #1

70 C103

Thouering

CSeg Settings

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
V-2174

1a. TYPE OF WELL
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>

7. Unit Agreement Name
State 26
8. Farm or Lease Name

2. Name of Operator
Union Pacific Resources Company
3. Address of Operator
1000 Louisiana, Suite 3000 Houston, TX 77002

9. Well No.
1
10. Field and Pool, or Wildcat
Undesignated Devonian

4. Location of Well
UNIT LETTER <u>N</u> LOCATED <u>330</u> FEET FROM THE <u>south</u> LINE AND <u>2310</u> FEET FROM
THE <u>West</u> LINE OF SEC. <u>26</u> TWP. <u>10S</u> RGE. <u>33E</u> NMPM

12. County
Lea

15. Date Spudded
11/16/87
16. Date T.D. Reached
01/17/88
17. Date Compl. (Ready to Prod.)
02/13/88
18. Elevations (DF, RKR, RT, GR, etc.)
4196 GR 4210 KB

19. Elev. Casinghead

20. Total Depth
12,800'
21. Plug Back T.D.
12,722'
22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools
Cable Tools
All

24. Producing Interval(s), of this completion - Top, Bottom, Name
12,646 - 12,678 Devonian

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
SDL-DSN, DLLMG, LSS, HDD, CBL, GR

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	54	468	17-1/2	475 sx Cl. C w/2% CaCl ₂ Circ	
8-5/8	32 & 24	4153	11	1400 sx Lite, 200 sx Cl.C	
				TOC 1000'	
5-1/2	17	12,800	7-7/8	800 sx 50-50 Poz-Mix	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
N/A					2-7/8	12,595

31. Perforation Record (Interval, size and number)
12,749 - 54: 21 - 1/2" Holes (CIBP @ 12,740 capped w/18' cmt)
12,646 - 78: 129 - 1/2" Holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,749 - 54	250 gals. 15% HCl
10,880 - 12,700	500 gals. 15% NE FE HCl

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)					
2/13/88	Flowing	SI					
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3/15/88	8	3/4"		1306	11	0	8
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
160 psig	0		3918	32	0	50.0 ⁰	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented

Test Witnessed By
K. W. Lewis

35. List of Attachments
SDL-DSN; DLLMG; LSS; Deviation survey; Summary of Drill Stem Test

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.

SIGNED Maileyn DayTITLE Regulatory AnalystDATE March 16, 1988UPRC
C-457 7/6 #1

INJECTION WELL DATA SHEET

WESTERN RESERVES OIL COMPANY INC. STATE "26"

OPERATOR LEASE

1 330' FSL & 2310' FWL 26 10S 33E

WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

Tabular Data

Surface Casing

Size 13 3/8 " Cemented with 475 ex.

TOC Surface feet determined by Circulated

Hole size 17 1/2" to 468'

Intermediate Casing

Size 8 5/8 " Cemented with 1600 ex.

TOC 1000 feet determined by Temp Survey

Hole size 11" to 4153'

Long string

Size 5 1/2 " Cemented with 800 ex.

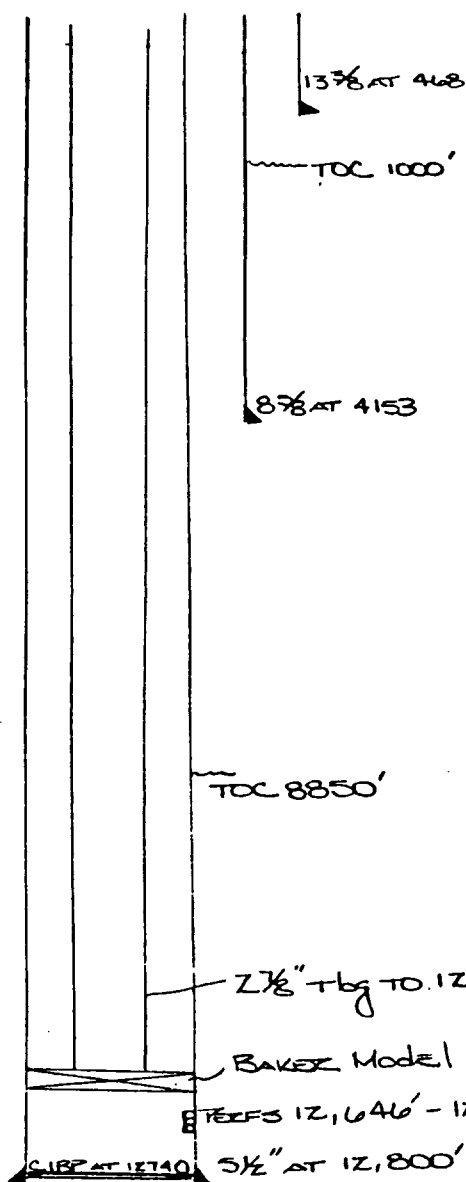
TOC 8850 feet determined by Cmt bond log

Hole size 7 7/8"

Total depth 12,800'

Injection interval

12,646 feet to 12,678 feet
(perforated or open-hole, indicate which)
Perforated



Tubing size 2 7/8 " lined with ICO SC650 set in a
(material)
Baker Model AD-1 packer at 12,550 feet
(brand and model)
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Devonian
- Name of Field or Pool (if applicable) Vada (Devonian)
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Discovery well for Vada (Devonian) Pool.
- 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.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. 9,650' Lane (Bough "C") Pool



Water Analysis Report by Baker Petrolite

SALT WATER DISPOSAL SYSTEM

SALT WATER DIPP

I 28

WELLHEAD

Account Manager

STEVE STROUD

Summary			Analysis of Sample 54722 @ 25°C					
Sampling Date	2/20/98		Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date	3/2/98		Chloride	53996	1523	Sodium	29575	1286
Analyst	CHRIS BRASHER		Bicarbonate	407	6.67	Magnesium	775	63.8
			Carbonate	0.00	0.00	Calcium	3802	190
TDS (mg/l or g/m ³)	90633.8		Sulfate	1361	26.3	Strontium	108	2.47
Density (g/cm ³ or tonne/m ³)	1.059		Phosphate	N/A	N/A	Barium	0.60	0.01
Anion/Cation Ratio	1.00		Borate	N/A	N/A	Iron	6.00	0.21
			Silicate	N/A	N/A	Potassium	603	15.4
Chemical Treatment						Aluminum	N/A	N/A
Sample Condition			Hydrogen Sulfide		0	Chromium	N/A	N/A
						Copper	N/A	N/A
			pH at time of sampling		6.10	Lead	N/A	N/A
			pH at time of analysis			Manganese	N/A	N/A
			pH used in Calculations		6.10	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ · 2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	0.04		0.22		0.25		0.02	2.43	0.87	0.29	2.51
100	0.	0.06	5.47	0.27		0.23		0.00	0.49	0.69	0.27	3.17
120	0.	0.17	14.96	0.30		0.18		0.00	0.27	0.53	0.24	3.86
140	0.	0.29	24.45	0.32		0.11		0.01	1.47	0.40	0.20	4.55

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is in fact the CO₂ fugacity calculated from the water analysis. It may differ from the true CO₂ partial pressure.

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):

- ☐ Addressee's Address
- ☐ 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)

SHORTTGS

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

- ☐ Addressee's Address
- ☐ 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

FEB 01 1999

5. Received By: (Print Name)

[Signature]

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-B-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



Publisher

Sworn and subscribed to before

me this 22nd day of

January

1999



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 #1 well located 725' FNL & 2040" FWL of Section 35 T10S-R33E of Lea County, New Mexico into a salt water disposal well. Water produced from oil & gas leases west of Crossroads, New Mexico will be disposed of into the Devonian formation from 12,760' to pressure of 1,000 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 S. Pacheco Street, Santa Fe, New Mexico 87505 within fifteen (15) days of this notice.

John C. Maxey, Jr.

Agent

New Mexico Salt Water Disposal Company, Inc.

P.O. Box 1518

Roswell, New Mexico 88202

505/622-3770

#16387

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

SWD-737



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

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 approved.

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed