

OIL CONSERVATION DIVISION  
RECEIVED

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: McChesney Oil Corp.

Address: P.O. Box 730

Contact party: Mitch Lee or Hank Combs Phone: 505-622-3200

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: Mitch Lee Title: Dr. & Comp. Engr.

Signature: Mitch Lee Date: 1-7-80

\* 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.

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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.

III-1

OPERATOR'S COPY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING  
OFFICE FOR NUMBER  
OF COPIES REQUIRED  
(Other instructions on re-  
verse side)

BLM Roswell District  
Modified Form No.  
NIXO-3160-4

Ex - A

Form 3160-5  
(July 1989)  
(Formerly 9-331)

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--" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-54400	
2. NAME OF OPERATOR McClellan Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Drawer 730 Roswell, NM 88202-0730		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Shell 15 Fed	
14. PERMIT NO.		9. WELL NO. 3	
15. ELEVATION (Show whether DF, RT, CR, etc.) 3896' G.L.		10. FIELD AND POOL, OR WILDCAT Lucky Lake Queen	
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec 15-T15S-R29E	
		12. COUNTY OR PARISH Chaves	
		13. STATE NM	

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The referenced Shell 15 Fed #3 is proposed to be converted into a disposal well to dispose of water that is being produced on the same lease by the Shell Fed #1 & #2. Pursuant to MTL-2B the following information is submitted for your information:

1. Shell 15 Fed #3, located 1650 FNL & 660 FWL, Sec 15-T15S-R29E on Federal lease NM-54400.
2. Daily quantity is 50 barrels of water per day produced from the Shell 15 #1 & #2. A map marked Exhibit A is attached. A water analysis marked Exhibit B is attached.
3. The injection formation: the Queen from 1821' to 1825'.
4. The total dissolved solids is 180,000 ppm.
5. The only usable water is an aquifer located at ±90 feet and is present in a water well located north of the well in Section 10. This well was drilled with a cable tool and no usable water was encountered during drilling.
6. Casing Strings:  
Surface: 268 feet of 8 5/8", 23, X-42 casing set in 275' of 12" hole.  
Cemented w/EO sx Howco Lite w/2% CaCl<sub>2</sub>, 50 sx Class C Thix Set cement and 100 sx Class C w/2% CaCl<sub>2</sub>. Circulated 50 sx cement.

See attached sheet-

18. I hereby certify that the foregoing is true and correct

SIGNED Raul K. Kagle

TITLE Operations Manager

DATE 10-17-89

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

SUBJECT TO LIKE  
APPROVAL BY STATE

\*See Instructions on Reverse Side

APPROVED PETER W. CHESTER Peter W. Chester NOV 1 1989 BUREAU OF LAND MANAGEMENT
---

III

Shell 15 Fe #3  
Sec. 15-T15S-R29E  
Chaves, NM

Production String: 1866' of 5½", 15.50 J-55 Casing set in 1866' of 8" hole. Cemented w/100 sx Class C w/2% CaCl<sub>2</sub>. Estimated cement top is ±1000 ft.

7. Total depth is 1866' and plug back depth is 1866'.
8. Proposed Injection Method:  
See Exhibit 'C'-
  - a. Run 2 3/8" tubing to ±1780'.
  - b. Circulate and load annulus w/8.6 lb/gal packer fluid containing corrosion inhibitor and biocide.
  - c. Set packer, test annulus to ±500 psi.
  - d. Commence disposal using gravity feed from tanks located on surface. Maximum anticipated injection pressure is 350 psi.
9. Monitoring system to monitor disposal will be gauge on annulus. Measures taken to shut-in disposal system would be to shut either the master valves on the well head or the valves on the supply line feeding the well.
10. Subsurface disposal will be confined to disposal of Queen water into the Queen Formation.

# OPERATOR COPY

CONTACT RECEIVING  
OFFICE FOR HANDLER  
OF COPIES REQUIRED

MM Roswell District  
Hilled Form No.  
RMXO-3160-3

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(See other In-  
structions on  
reverse side)

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

NM-54400

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shell 15 Fed

9. WELL NO.

#3

10. FIELD AND POOL, OR WILDCAT

Lucky Lake Queen

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 15 - T15S-R29E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

14. ELEV. CASINOHEAD

Same

15. TOTAL DEPTH, MD & TVD

1866

16. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

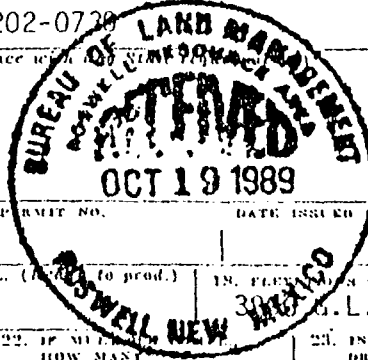
0-TD

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

NO



1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other Disposal Well

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other ☐

2. NAME OF OPERATOR 3a. Area Code & Phone No.

McClellan Oil Corporation

505-623-3200

3. ADDRESS OF OPERATOR

P.O. Drawer 730 Roswell, NM 88202-0730

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)

At surface 1650 FNL & 660 FWL

At top prod. interval reported below

At total depth

9a. API Well No. 14. PERMIT NO. DATE ISSUED

30-005-62656

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Date to prod.) 18. ELEV. CASINOHEAD (OF, RKB, RT, GR, ETC.)

1-18-89

3-28-89

9-30-89

3890 S.L.

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF NO PLUG BACK, HOW MANY 23. INTERVALS DRILLED BY

1866

1866

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

1830-1866, Queen

26. TYPE ELECTRIC AND OTHER LOGS RUN

Wedge cased hole compensated Neutron Log

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23	268	12"	230 SX	Circulated
5 1/2"	15.5	1866	8"	100 SX	-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	1813	-

31. PERFORATION RECORD (Interval, size and number)

1821 - 1825, .40", 10 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1821-25	500 gals 15% NE acid, 20,000 gals versagel and 16,300 lbs 20-40 sand, 6000 lbs 12-20 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
4-25-89		Pumping					shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO	
9-30-89	24		→	-0-	-0-	28		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)		
-0-	12	→	-0-	-0-	28	N/A		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

N/A

35. LIST OF ATTACHMENTS

Proposal to convert to disposal

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

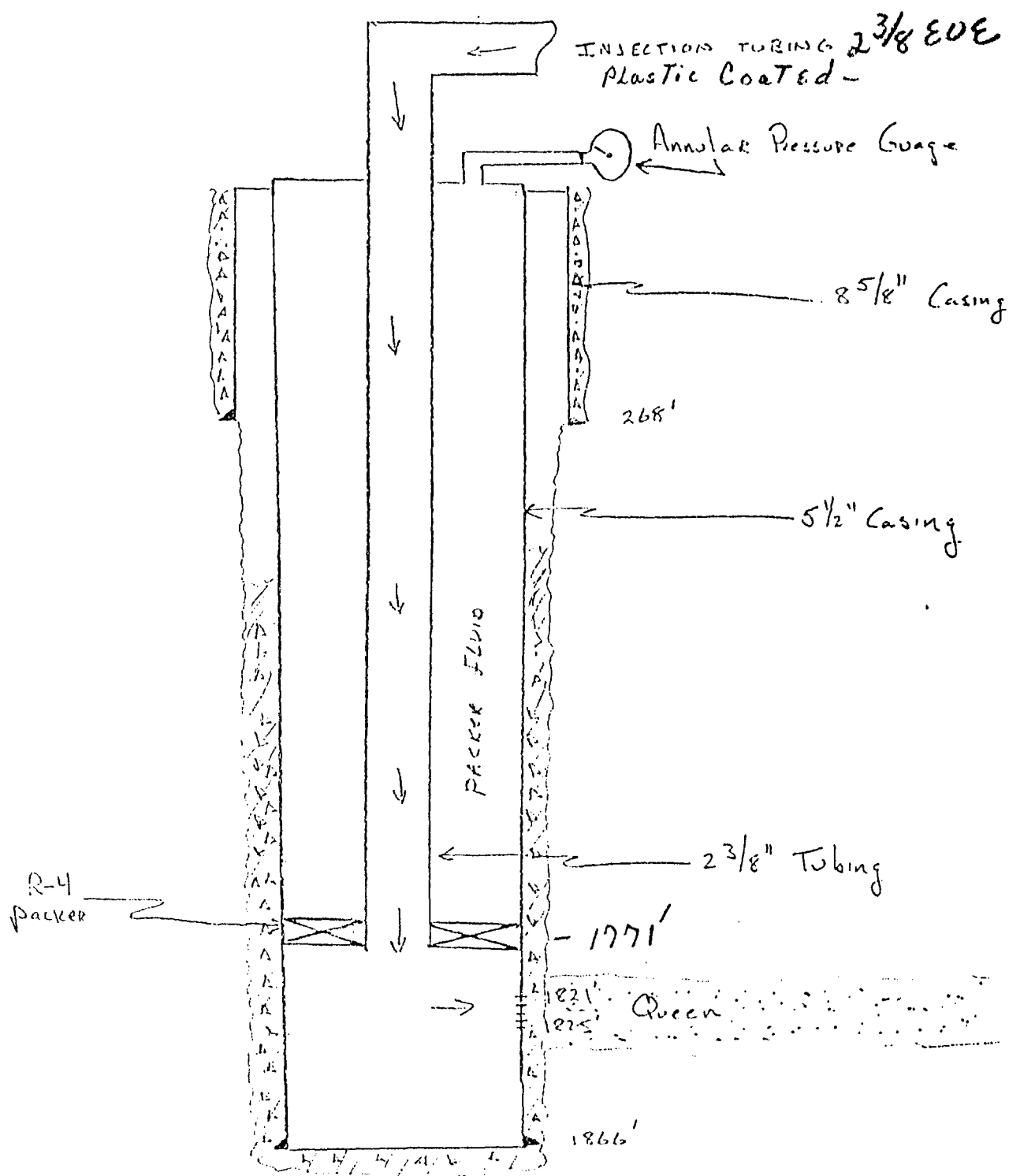
SIGNED Paul Fagbule

TITLE Operations Manager

DATE

\*(See Instructions and Spaces for Additional Data on Reverse Side)

III



SHELL 15 FEDERAL #3

Exhibit 'C'

## HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

ARTESIA DISTRICT

## LABORATORY REPORT

No. W144-89

TO McClellan Oil Corporation  
P. O. Drawer 730  
Roswell, NM 88201

Date April 28, 1989

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

Submitted by \_\_\_\_\_ Date Rec. \_\_\_\_\_

Well No. Shell 15 Federal #3 Depth \_\_\_\_\_ Formation \_\_\_\_\_

Field \_\_\_\_\_ County \_\_\_\_\_ Source \_\_\_\_\_

Resistivity ..... .05 @ 60°Specific Gravity .. 1.21 @ 65°pH ..... 6.5Calcium ..... 6,120Magnesium ..... 7,200Chlorides ..... 200,000Sulfates ..... NilBicarbonates ..... ---Soluble Iron ..... MediumKCL ..... NoneRemarks: This is THE water To be Disposed.

Art Carrasco  
Respectfully submitted

Analyst: Art Carrasco - District Engineer

HALLIBURTON SERVICES

## NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

## HALLIBURTON DIVISION LABORATORY

## HALLIBURTON SERVICES

## ARTESIA DISTRICT

## LABORATORY REPORT

No. W652-89TO McClellan Oil CorporationDate December 29, 1989P. O. Drawer 730Roswell, NM 88201

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

Submitted by Mitch LeeDate Rec. December 29, 1989Well No. North Shell #15

Depth \_\_\_\_\_

Formation \_\_\_\_\_

Field Water Well NorthCounty Chaves

Source \_\_\_\_\_

Resistivity ..... 12.5 @ 70°Specific Gravity .. 1.0012 @ 70°pH ..... 6.5Calcium ..... 2,391Magnesium ..... 1,582Chlorides ..... 300Sulfates ..... 300Bicarbonates ..... 519Soluble Iron ..... 0

Remarks:

  
Respectfully submittedAnalyst: Eric Jacobson - EIT

HALLIBURTON SERVICES

## NOTICE:

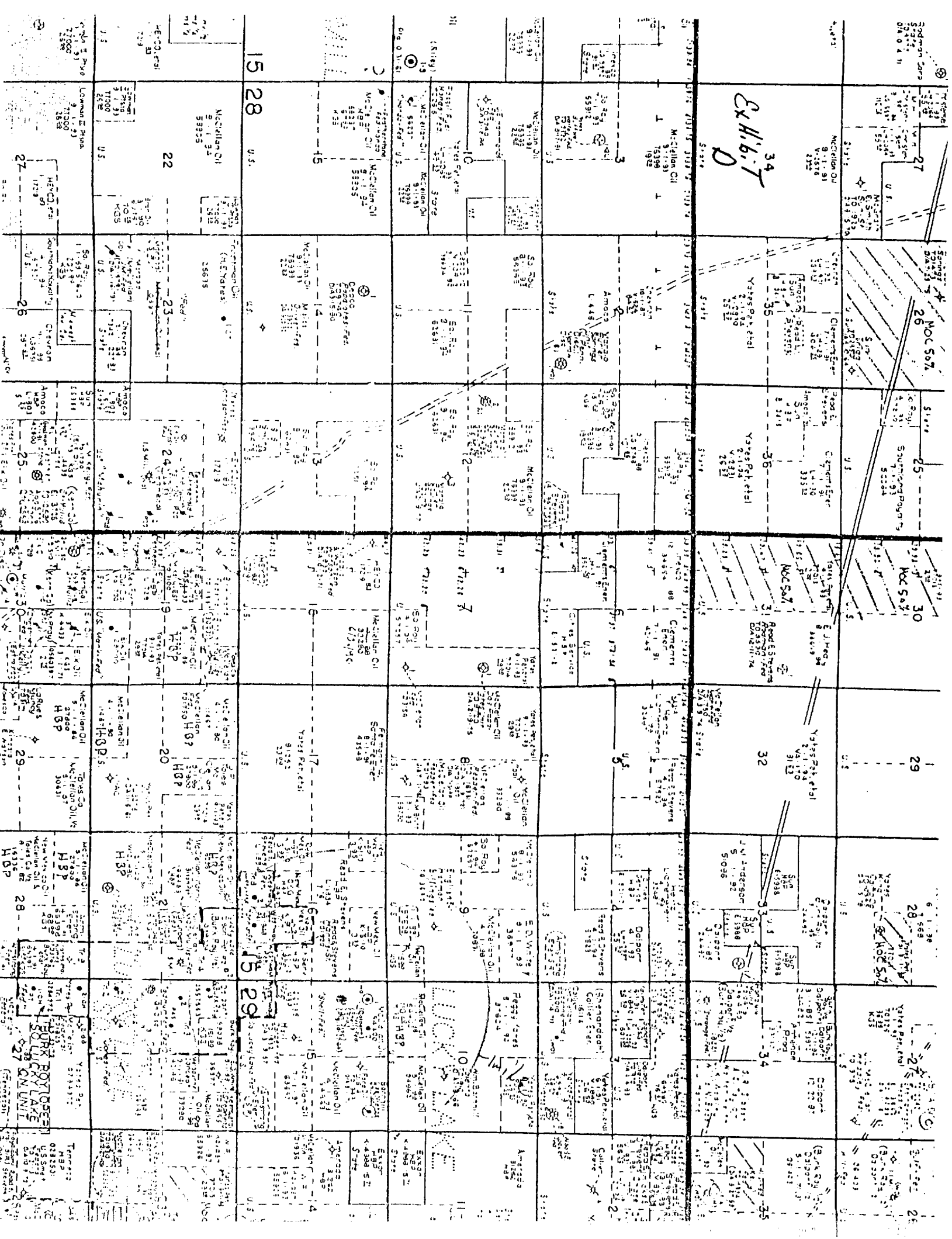
This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use of this report.



D.

3747-55301

Exhib. b. 7  
D.



## INJECTION WELL DATA SHEET

SIDE 1

OPERATOR

LEASE

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

3

1650' FWL + 660' FWL

15

15

29

SchematicTabular Data

Qxh16.7c

Surface Casing

Size

8 5/8

"

Cemented with

130

sx.

TOC

Circulated

feet determined by

Hole size

12"

Intermediate Casing

Size

"

Cemented with

sx.

TOC

feet determined by

Hole size

Long string

Size

5 1/2 155

"

Cemented with

100

sx.

TOC

857 1000'

feet determined by

Figures

Hole size

8"

Total depth

1866'

Injection Interval

1821

feet to

1825

feet

(perforated or open-hole, indicate which)

Shell ~~15~~ 15 Fed #3

Tubing size 2 3/8 SCS lined with PVC Sella set in a  
 (brand and model) R-4 Hackiburon packer at 1771' feet  
 (or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen
2. Name of field or Pool (if applicable) Lucky Lake Queen
3. Is this a new well drilled for injection? ☐ Yes ☒ No  
 If no, for what purpose was the well originally drilled? Oil

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. San Andres at 2350'

OPERATOR

LEASE

Read & Stevens Inc

USA

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

1 990FNL + 2310FGL

15

15

29

Schematic

Tabular Data

Surface Casing

Size 8 5/8 " Cemented with 175 sx.

TOC CIR feet determined by site

hole size 12 1/4

Intermediate Casing

Size 8 5/8 " Cemented with 175 sx.

TOC CIR feet determined by site

hole size 12 1/4

Long string

Size 5 1/2 " Cemented with 100 sx.

TOC 1300 feet determined by figured

hole size 7

total depth 1949

Open Interval

1875 feet to 90 feet

(perforated or open-hole, indicate which)

*[Handwritten signature]*

OPERATOR Read & Stevens

LEASE South Rocky Lake

WELL NO. 1 FOOTAGE LOCATION 3305SL + 330FWL

SECTION 15

TOWNSHIP 15

RANGE 29

Date 11-30-81

Schematic

Comp

Tabular Data

Surface Casing

Size 8 5/8 " Cemented with 180 sx.

TDC Circulated feet determined by sight

hole size 12 1/4

Intermediate Casing

Size 8 5/8 " Cemented with 180 sx.

TDC Circulated feet determined by sight

hole size 12 1/4

Long string

Size 4 1/2 " Cemented with 400 sx.

TDC Circulated feet determined by sight

hole size 2 7/8

total depth 1950'

Injection Interval

1777 feet to 1790 feet

perforated for open-hole. indicate interval

Copy

January 3, 1990

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Westway Petroleum  
Lock Box 70  
500 N. Akard St.  
Dallas, TX 75201-3394

Gentlemen:

Notice is hereby given that McClellan Oil Corporation, Post Office Drawer 730, Roswell, New Mexico 88202, (505) 622-3200, proposes to convert their Shell 15 Federal No.3 well, located 1650' FNL & 660' FWL of Section 15-T15S-R29E, Chaves County, New Mexico, Federal Oil and Gas Lease Number NM-54400, to a disposal well. Water to be disposed into this well will be from the Shell 15 Nos. 1 and 2, located on the same Federal Oil and Gas Lease and within the same Section. The formation to be injected into is the Queen Sand at a depth of 1821' to 1825', with a volume of 50 barrels per day from 0-350 psi.

Enclosed for your consideration are the following:

1. Sundry Notice
2. Well Completion Report on Shell 15 No.3
3. Schematic - Shell 15 No.3
4. Water Analysis prepared by Halliburton - Shell 15 No.3
5. Area maps

If you wish to file an objection or request a hearing, this must be done within fifteen (15) days, with the Oil Conservation Division, Post Office Box 2088, Santa Fe, New Mexico 87501.

We ask you to consider approving this proposal by signing and returning one copy of this letter to me at your earliest convenience. A stamped, self-addressed envelope is enclosed for your convenience in replying. Should you have any questions or need further information, please feel free to call the undersigned or Hal Crabb at 622-3200.

Very truly yours,

Mitch Lee

/Enclosures as noted

We have no objection to the proposed injection well of McClellan Oil Corporation as outlined hereinabove.

WESTWAY PETROLEUM

BY \_\_\_\_\_

\_\_\_\_\_  
(Name and Title)

DATE \_\_\_\_\_

*This Copy was sent to each  
offsetting operators in the 1/2 mile  
radius*





McClellan Oil Corporation

OPERATION DIVISION  
ROSWELL

1990 FEB 26 AM 10 14

February 23, 1990

State of New Mexico  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504

Attn: David Catanach

Subject: Application for Authorization to Inject  
Shell 15 Federal No.3  
Lucky Lake Queen Field  
Chaves County, New Mexico

Dear David:

Enclosed please find the following additional information pertaining to the above referenced application, as per our conversation of 2-6-90.

- 1) Proof of publication - a copy of the legal advertisement run in the Roswell Daily Record
- 2) A list of all surface owners notified
- 3) Letter from geologist discussing the geological data on the injection zone and underground sources of drinking water
- 4) Letter from geologist affirming no hydrologic connection between the disposal zone and fresh water zones
- 5) Tabulation of data and wellbore diagrams from five wells within the area of review that penetrated the proposed injection zone

I apologize that these items were not sent with the original package.

This additional information should complete the application. If you have any further questions please let me know.

Sincerely,

Hal Crabb, III  
Operation Manager

HC/k1

**AFFIDAVIT OF PUBLICATION**

County of Chaves }  
State of New Mexico, }

I, Jean M. Pettit  
Manager,

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

of one time

weeks

beginning with the issue dated 4th

January, 1990

and ending with the issue dated 4th

January, 1990

Jean M. Pettit  
Manager

Sworn and subscribed to before me

this 4th day of

January, 1990

Marylon D. Skupper  
Notary Public

My commission expires

July 21, 1990  
(Seal)

Publish January 4, 1990

Notice is hereby given that McClellan Oil Corporation, Post Office Drawer 730, Roswell, New Mexico 88202, (505) 622-3200, proposes to convert their Shell 15 Federal No. 3 well, located 1650' FNL & 660' FWL of Section 15-T15S-R29E, Chaves County, New Mexico, Federal Oil and Gas Lease Number NM-54400, to a disposal well. Water to be disposed into this well will be from the Shell 15 Nos. 1 and 2, located on the same Federal Oil and Gas Lease and within the same Section. The formation to be injected into is the Queen Sand at a depth of 1821' to 1825', with a volume of 50 barrels per day from 0-350 psi.

All interested parties must file objections or requests for a hearing with:

Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

within fifteen (15) days.

Contact party at McClellan Oil:  
Mitch Lee or Hal Crabb



## McClellan Oil Corporation

February 9, 1990

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87504

Gentlemen:

Below is a list of all of the Offset Operators:

Read and Stevens  
P.O. Box 1518  
Roswell, NM 88202  
505-622-3770

OXY USA, Inc.  
P.O. Box 50250  
Midland, TX 79710  
915-685-5833

New Mexico Oil Corporation  
P.O. Box 1714  
Roswell, NM 88202  
505-622-2851

Westway Petroleum  
Box 70  
500 North Akard Street  
Dallas, TX 75201-3394

Burk Royalty  
P.O. Box BRC  
Wichita Falls, TX 76307  
817-322-5421

I 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.

A handwritten signature in black ink, reading "Mark McClellan". The signature is written in a cursive style with a horizontal line extending from the end of the name.

Mark McClellan  
Geologist

## GEOLOGICAL DATA ON INJECTION ZONE - VIII

Lithology - Medium grained, friable gray sand with associated, unconsolidated, frosted quartz grains.

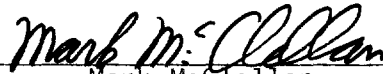
Geologic name - Queen Sand which is a member of the Queen formation which is Permian in Age.

Thickness - 15 feet.

Depth - 1821'-1836'.

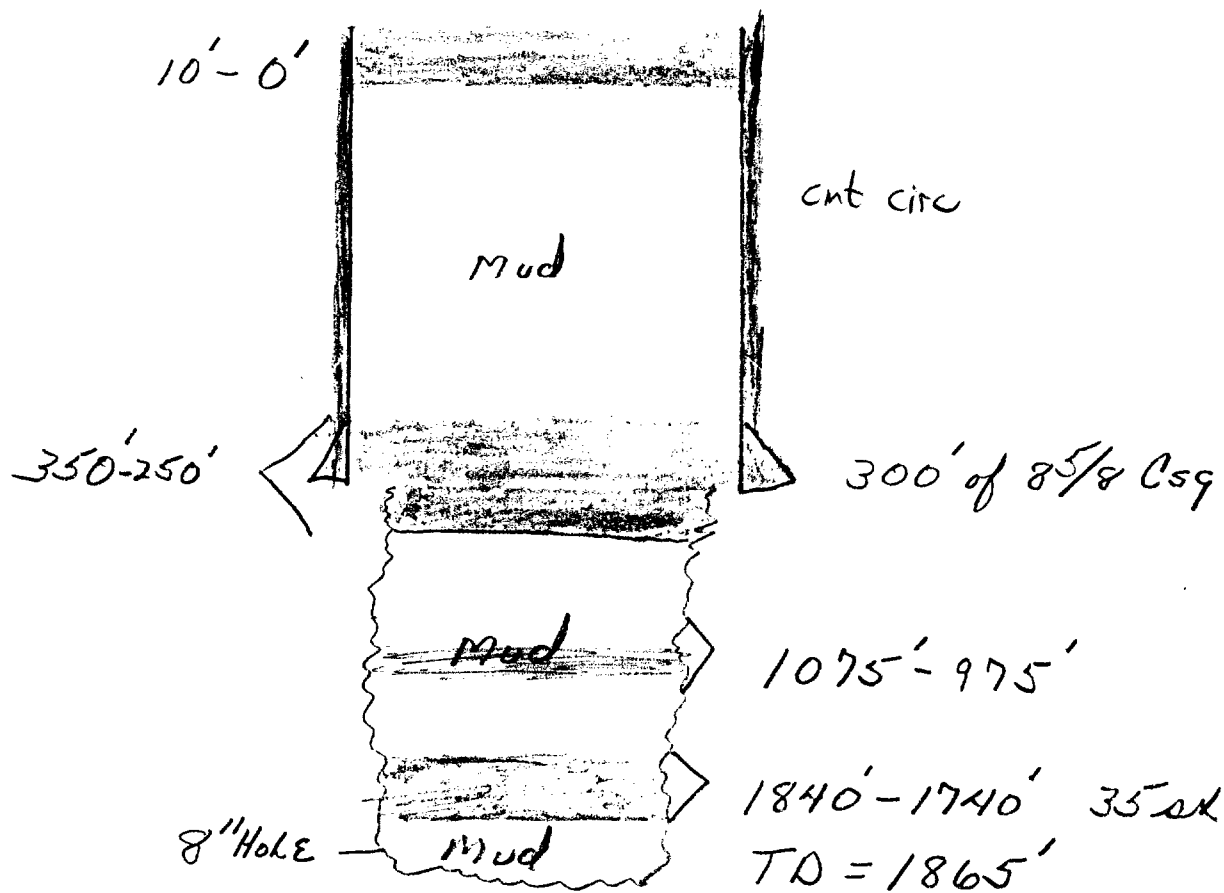
## UNDERGROUND SOURCES OF DRINKING WATER

An aquifer located @ 90'± is present in a water well in Section 10-15S-29E. This aquifer is of recent Permian age. See attached water analysis.

A handwritten signature in black ink, reading "Mark M. McClellan", is written over a horizontal line.

Mark McClellan  
Geologist

Read & Stevens Inc  
 Harris 16" STATE #2  
 Sec 16 -155 -29E  
 1980 FSA + 1980 FEL  
 P+A - 6-11-75



- Cont

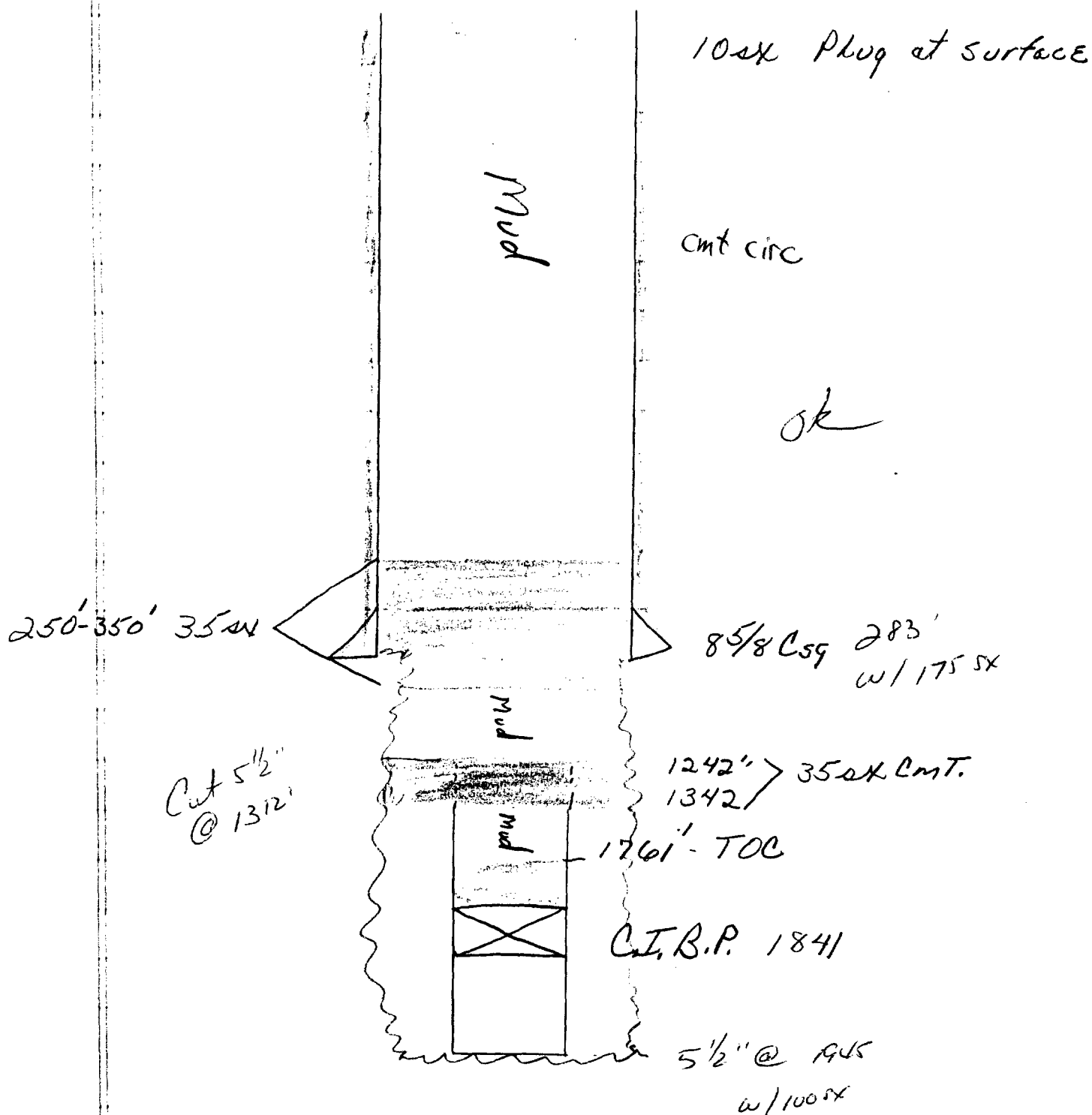
Plugging Procedure  
 Road Hole with Mud

1st. Plug	35 SX	1840'-1740'
2nd Plug	35 SX	1075'-975'
3rd. Plug	35 SX	350'-250'
4th Plug	10 SX	10'-surface

Read & Stevens  
USA #1

990' FNL & 2310' FEL  
15-155-29E

P & A - 2-08-72



See P & A

## ARTESIA OFFICE COPY

C x B

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42 16124.  
5. LEASE DESIGNATION AND SERIAL NO.

0559185

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Lucky Lake

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

15-15S 29E

14. PERMIT NO.

15. ELEVATIONS (Show whether DV, RT, OR, etc.)

Unknown

12. COUNTY OR PARISH

Chaves

13. STATE

N. Mex.

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

2-07-72 Pull rods and pump. Pull tubing. Strip off heads.

2-08-72 Set Bridge plug @ 1841', capped w/10 sx. cement.  
 Plug inside of 5½" casing 1841' to 1761'  
 Fill hole with Good mud  
 Cut and remove 5½" casing @ 1312'  
 Set 35 sx. cement plug 1342' to 1242'  
 Set 35 sx. cement plug 350' to 250'  
 Set 10 sx. cement plug 10' to 0'  
 Install regulation marker

Will notify when location is ready for inspection.

RECEIVED

FEB 10 1972

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Agent

DATE 2-09-72

(This space for Federal or State office use)

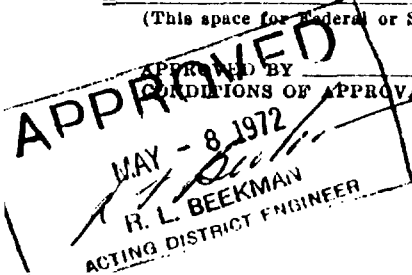
TITLE

NOTED

MAY 3 1972

SAUNDERSON

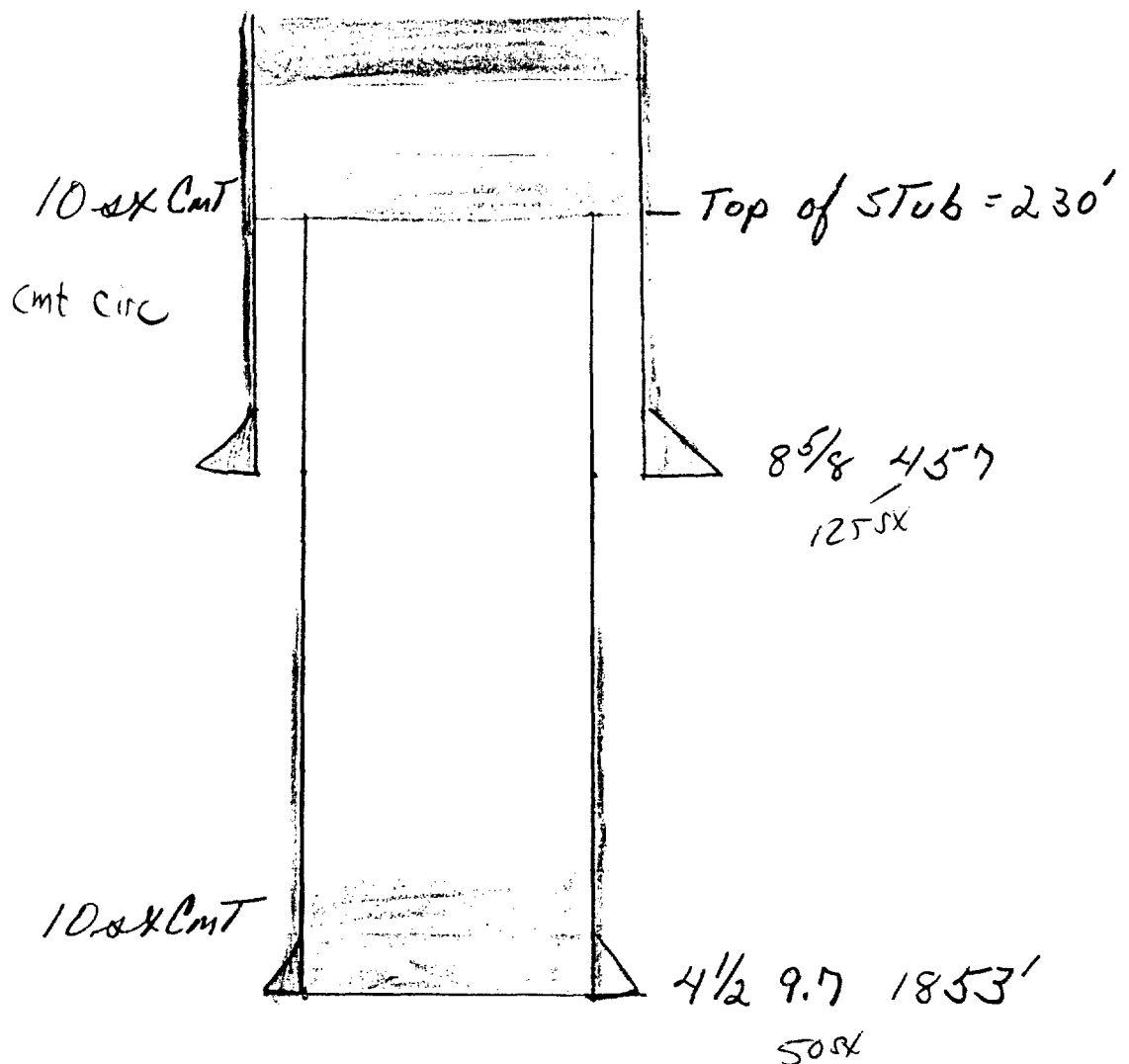
\*See Instructions on Reverse Side



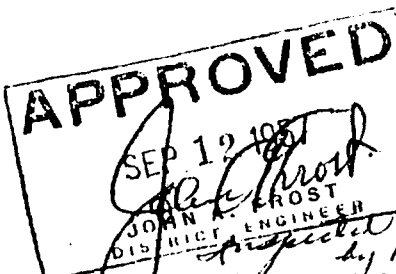


Claude G. Hall  
Carper Fed #1  
1980' From S+W lines  
15-15-29E

P+A 3-25-1957



See Exhibit B



## ARTESIA OFFICE COPY

NM 0300  
(Form C-142)  
(Revised 1/1/52)  
APR 10 1957

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS NOTICES

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		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

(Place)

Copper Federal 1

(Date)

Gentlemen: ~~Mr. Collier~~

1

15

Following is a Notice of Intention to do work as described below at the.....

[5] ~~19.80/2 + 20~~ ~~March 17, 18, 19, 20, and 23rd.~~ ~~Chaves~~

(Company or Operator) Well No. in (Unit)

1/4 of Sec. 1/4 of Sec. T. R. NMPM, Pool

(40-acre Subdivision)

XX County.

March 25, 1957

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

Dump cement 10 sacks on bottom with dump bailer, bridge where knock off 4" pipe. Set 10 sacks plug on stub and fill to top and set regulation marker with description.

RECEIVED  
APR 12 1957  
U. S. DEPT. OF THE INTERIOR  
ARTESIA, NEW MEXICOApproved....., 19.....  
Except as follows:Approved  
OIL CONSERVATION COMMISSION

By.....

Title.....

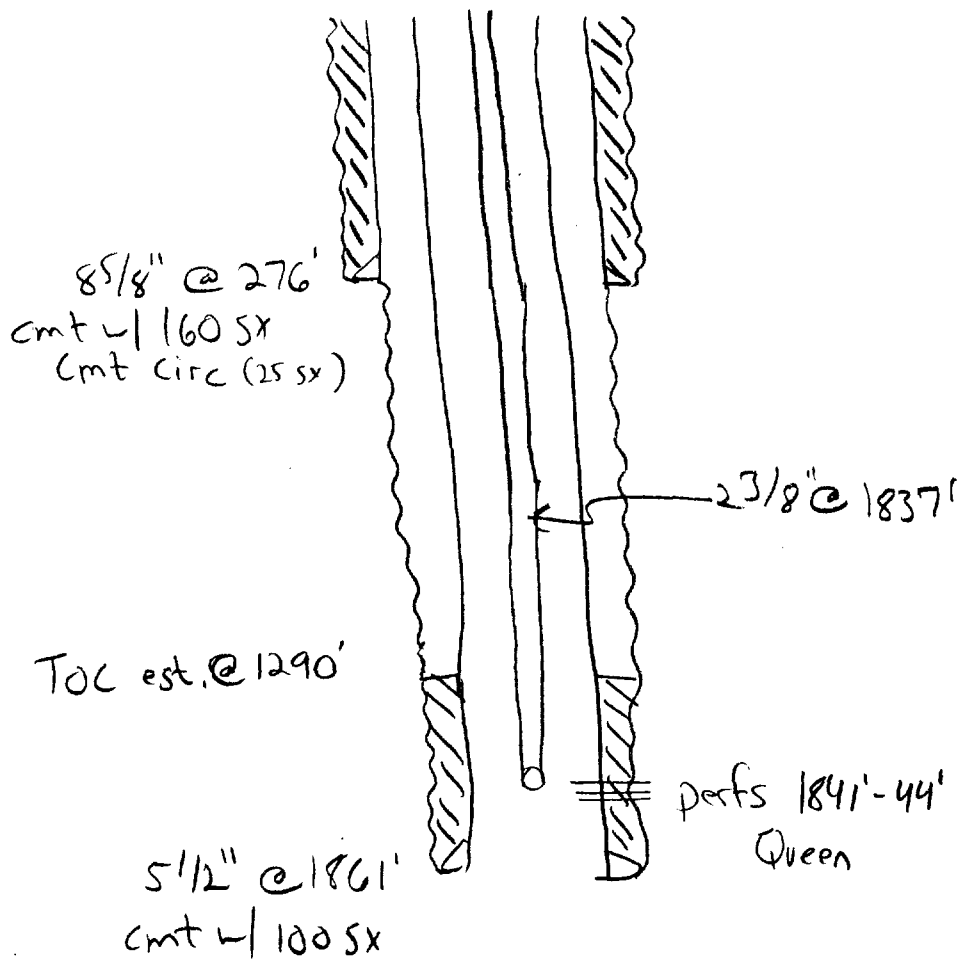
By Charles E. Hull Company or Operator

Position.....

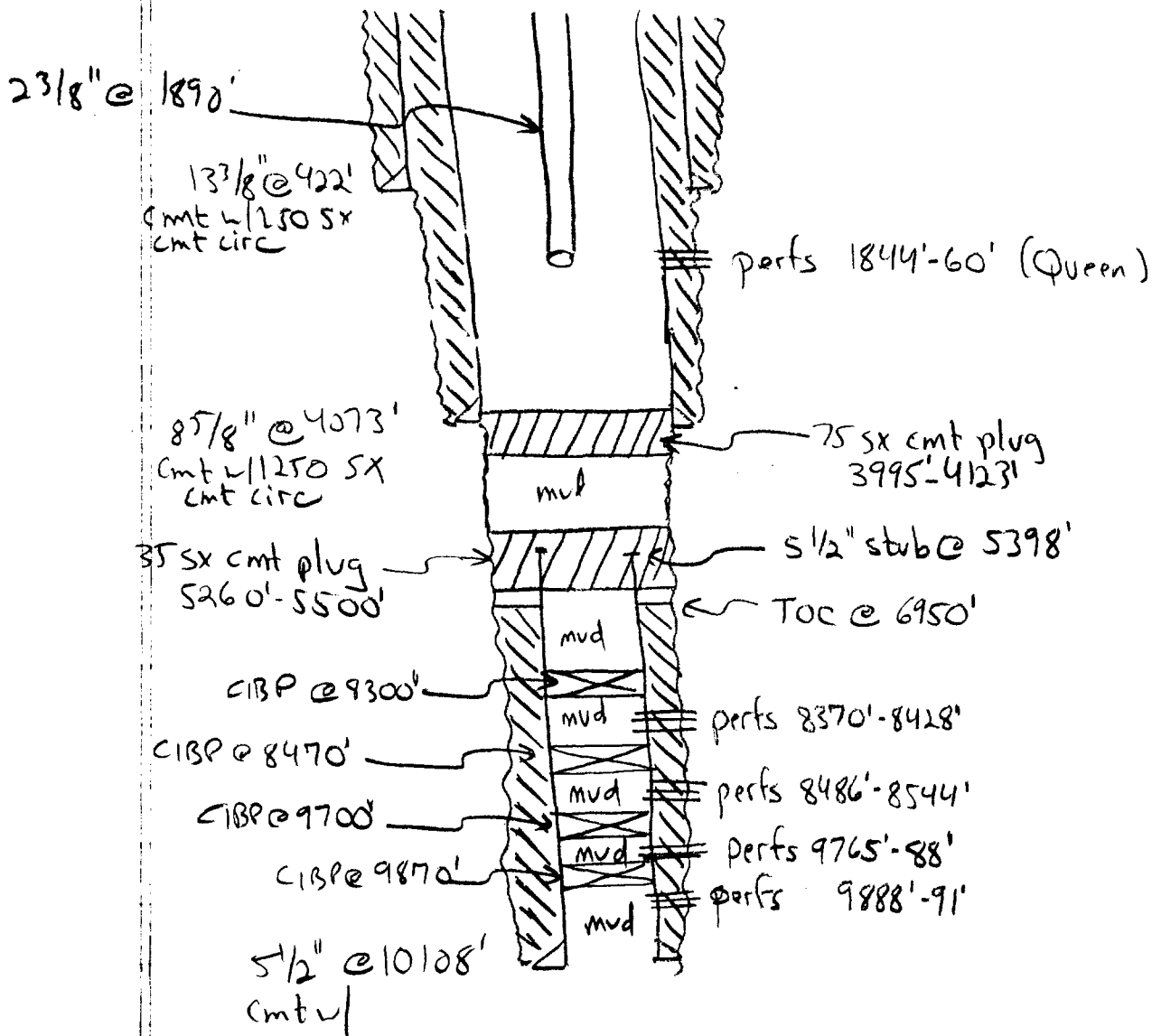
Send Communications regarding well to:

Name Port OwnerAddress Lewie Robertson

McClellan Oil Corporation  
Shell 15 Federal No. 2  
Sec 15, T15S, R29E  
660' FNL & 1650' FWL  
Producing Well



McClellan Oil Corporation  
 Shell 15 Federal Com. No. 1  
 Sec 15, T15S, R29E  
 660' FN & FWL  
 Producing Well



Copy

January 3, 1990

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Westway Petroleum  
Lock Box 70  
500 N. Akard St.  
Dallas, TX 75201-3394

Gentlemen:

Notice is hereby given that McClellan Oil Corporation, Post Office Drawer 730, Roswell, New Mexico 88202, (505) 622-3200, proposes to convert their Shell 15 Federal No.3 well, located 1650' FNL & 660' FWL of Section 15-T15S-R29E, Chaves County, New Mexico, Federal Oil and Gas Lease Number NM-54400, to a disposal well. Water to be disposed into this well will be from the Shell 15 Nos. 1 and 2, located on the same Federal Oil and Gas Lease and within the same Section. The formation to be injected into is the Queen Sand at a depth of 1821' to 1825', with a volume of 50 barrels per day from 0-350 psi.

Enclosed for your consideration are the following:

1. Sundry Notice
2. Well Completion Report on Shell 15 No.3
3. Schematic - Shell 15 No.3
4. Water Analysis prepared by Halliburton - Shell 15 No.3
5. Area maps

If you wish to file an objection or request a hearing, this must be done within fifteen (15) days, with the Oil Conservation Division, Post Office Box 2088, Santa Fe, New Mexico 87501.

We ask you to consider approving this proposal by signing and returning one copy of this letter to me at your earliest convenience. A stamped, self-addressed envelope is enclosed for your convenience in replying. Should you have any questions or need further information, please feel free to call the undersigned or Hal Crabb at 622-3200.

Very truly yours,

Mitch Lee

/Enclosures as noted

We have no objection to the proposed injection well of McClellan Oil Corporation as outlined hereinabove.

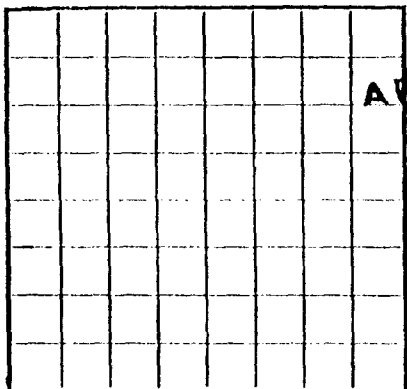
WESTWAY PETROLEUM

BY \_\_\_\_\_

\_\_\_\_\_  
(Name and Title)

DATE \_\_\_\_\_

*This Copy was sent to each  
offsetting operators in the 1/2 mile  
radius*

U. S. LAND OFFICE  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT

ARTESIA OFFICE COPY

 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

JUL 22 1957

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY  
**CLAUDE-G. HALL**

Box 2876

Company **CARPER DRILLING CO.** Address **WILDCAT** **NEW MEXICO**  
 Lessor or Tract **15 15S 29E** Field **CHAUES** State **CHAUES**  
 Well No. **1980** Sec. **8** R. **1940** Indian **W** Sec. **15** **3893**  
 Location **ft. [N.] of [S.]** Line and **ft. [E.] of [W.]** Line of **Elevation**  
 (Derrick foot relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
 so far as can be determined from all available records.

6-30-57

Signed **CLAUDE G. HALL** OPERATOR

Date

Title

The summary on this page is for the condition of the well at above date **3-19**

57

Commenced drilling \_\_\_\_\_, 19\_\_\_\_ Finished drilling \_\_\_\_\_, 19\_\_\_\_

## OIL OR GAS SANDS OR ZONES

1130

1849 (Denote gas by G)

No. 1, from **1849** to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

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

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
8 5/8	28#		USED	477	NONE		From -	To -	
4 1/2	9.7#		SPANG	1844	FLOAT	230'			
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	477	125SX	HALLIBURTON		
4"	1844	50SX	HALLIBURTON		

## NONE PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_



McClellan Oil Corporation

January 3, 1990

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RECEIVED JAN 12 1990

Westway Petroleum  
Lock Box 70  
500 N. Akard St.  
Dallas, TX 75201-3394

Gentlemen:

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Very truly yours,

Mitch Lee

/Enclosures as noted

We have no objection to the proposed injection well of McClellan Oil Corporation as outlined hereinabove.

WESTWAY PETROLEUM

BY

William E. Read

(Name and Title)

WESTWAY PETRO

DATE

2/8/90

William E. Read  
Managing Venturer  
WESTWAY PETRO

spoke with  
Hal Crabb 2/8/90 4:25 pm,

Law says if no receipt of  
approval, then we approve automatically  
within 20 day. CB



McClellan Oil Corporation

January 3, 1990

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Burk Royalty  
P.O. Box BRC  
Wichita Falls, TX 76307

Gentlemen:

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Very truly yours,

Mitch Lee

/Enclosures as noted

We have no objection to the proposed injection well of McClellan Oil Corporation as outlined hereinabove.

BURK ROYALTY

BY

  
(Name and Title) V-P

DATE 1-15-90





McClellan Oil Corporation

RECEIVED JAN 6 1990

Approval List

R.F. 1-9-90

J.M. okay with me. Jan

B.B. OK

R.F. ok

December 29, 1989

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Read & Stevens, Inc.  
Post Office Box 1518  
Roswell, NM 88202

Attention: Charles B. Read

Gentlemen:

Notice is hereby given that McClellan Oil Corporation, Post Office Drawer 730, Roswell, New Mexico 88202, (505) 622-3200, proposes to convert their Shell 15 Federal No. 3 well, located 1650' FNL & 660' FWL of Section 15-T15S-R29E, Chaves County, New Mexico, Federal Oil and Gas Lease Number NM-54400, to a disposal well. Water to be disposed into this well will be from the Shell 15 Nos. 1 and 2, located on the same Federal Oil and Gas Lease and within the same Section. The formation to be injected into is the Queen Sand at a depth of 1821' to 1825', with a volume of 50 barrels per day from 0-350 psi.

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Very truly yours,

Mitch Lee

/Enclosures as noted

We have no objection to the proposed injection well of McClellan Oil Corporation as outlined hereinabove.

READ & STEVENS, INC.

BY

Charles B. Read, President  
(Name and Title)

Date 1-16-90