

Case 8926

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: SAGE ENERGY COMPANY
Address: P. O. Drawer 3068, Midland, Texas 79702
Contact party: Jay H. Hardy/Danny Roberts Phone: 915 683 5271
- 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: Jay H. Hardy Title: Vice President - Engineering
Signature: *Jay H. Hardy* Date: April 29, 1986
- * 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.

NA

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

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 supplied 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.

8. 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.

DATA ON THE PROPOSED OPERATIONS

VII.

1. The average and maximum daily rate and volume of fluids to be injected will be at the rate of 100 BWPB
2. The system is open.
3. Water to be disposed of on vacuum.
4. Water analysis attached.
5. Not applicable.

VIII.

The injection zone is:

9565' to 9890', top of Saunders 9778', thickness of Saunders 242',
and top of Wolfcamp 9254', thickness of Wolfcamp 524'.

IX. No stimulation program needed.

X. Logs and test data on file with the division.

XI. Not applicable.

XII. I have no knowledge of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

INJECTION WELL DATA SHEET

SIDE 1

SAGE ENERGY COMPANY

OPERATOR

Low State

LEASE

No. 1

1980' FSL and 660' FSL

Section 10,

T-15-S

R-33-E

WELL NO.

FOOTAGE LOCATION

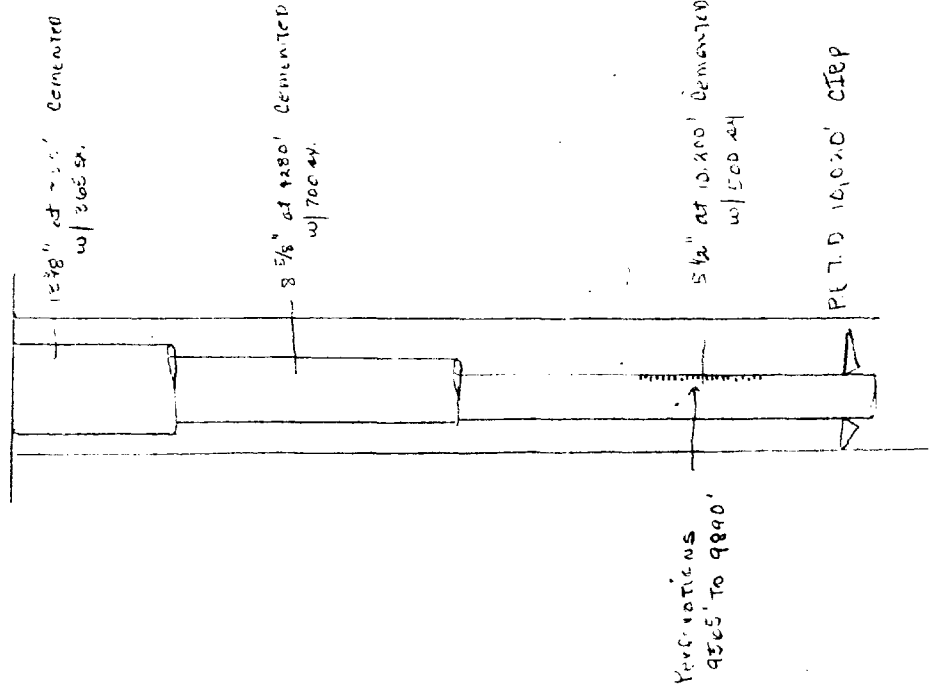
SECTION

TOWNSHIP

RANGE

Lea County, New Mexico

Schematic



Tabular Data

Surface Casing

Size 13 3/8" " Cemented with 365 sx.

IOC Circulated feet determined by calculations

Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" " Cemented with 700 sx.

IOC 3700 feet determined by calculations

Hole size 9 7/8"

Long string

Size 5 1/2" " Cemented with 500 sx.

IOC 9500 feet determined by calculations

Hole size 7 7/8"

Total depth 10,200, PBTD 10,020

Injection Interval

9565 feet to 9890 feet
(perforated or open-hole, indicate which)

Tubing size 2 7/8" lined with Plastic Casing set in a
(brand and model) Baker Lule-Set packer at 9500 feet
(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Saunders (Penn)
2. Name of Field or Pool (If applicable) Saunders (Penn)
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil and Gas exploration.

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) _____
CIBP at 10,020 with 1 sx cement, perforated with 17 holes from 9890 to 9565.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

None



NEW MEXICO STATE LAND OFFICE
APPRAISEMENT OF GRAZING AND AGRICULTURAL LANDS

TO THE COMMISSIONER OF PUBLIC LANDS, SANTA FE, N. M.

Sir:

I am well acquainted with the character of state owned lands as described on the back of this form, located in Eddy County, New Mexico, together with statement of the natural character thereof and the condition thereof:

CHARACTER OF LAND

The land is best adapted for grazing or agriculture grazing. There are natural streams, springs, ponds, and water holes as follows: No
There are irrigating ditches on land as follows: No
Give depth of well nearest this land, and state location by section, township and range NA
Sec. 10, T-15-S, R-33-E
On said land there are None acres natural hay land; None acres agricultural land, without irrigation, None acres of irrigable land, None acres in actual cultivation, and None acres timber land. State kind of timber, quality and present condition None
Is there mineral or coal on the land? No. If so, state location, extent and kind of mineral

The attached plat represents the location of said lands, the location of streams, springs, water sources and irrigation ditches, as well as the agricultural, hay and grazing land, if any, also the improvements, and said map is made a part of this affidavit.

IMPROVEMENTS

House, give size and type of construction	<u>None</u>	Value \$	<u></u>
Barns, stables and corrals	<u>None</u>	Value \$	<u></u>
Well, give depth and description	<u>None</u>	Value \$	<u></u>
Windmill	<u>None</u>	Value \$	<u></u>
Fences, give amount and kind	<u>None</u>	Value \$	<u></u>
Other improvements	<u>None</u>	Value \$	<u></u>
Total Value of improvements		\$	<u></u>

The first improvements were placed upon this section by of State of

After having personally inspected the within described tract of land, I HEREBY APPRAISE THE SAME at and state the ACTUAL CASH VALUE of same to be \$ 50.00 per acre, and certify that I am not interested in said land or leasing or sale thereof.

Signed Danny Roberts
P.O. SAGE ENERGY COMPANY. P. O. Drawer 3068
Midland, Texas 79702

Subscribed and sworn to before me this 25th day of April, 19 86

X F. Holzgraf
Notary Public

My Commission Expires: 10-31-88

NOTE: The Laws of New Mexico require that all statements in appraisements must be made from personal knowledge, and not upon information and belief; save only those with reference to the actual value of the land appraised. This appraisalment must be sworn to before a Notary Public or other officer authorized to administer oaths.

HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. W86-148To SAGE ENERGYDate 4/17/86Drawer 3068Midland, Texas 79702

This report is the property of Halliburton Company 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 Company.

Submitted by _____ Date Rec. 4/17/86

Well No. _____ Depth _____ Formation _____

County _____ Field _____ Source _____

	<u>West of Lowe</u>	<u>SE of Lowe #1</u>	
Resistivity	<u>7.86 @ 70°F</u>	<u>9.71 @ 70°F</u>	
Specific Gravity	<u>1.000</u>	<u>1.000</u>	
pH	<u>6.8</u>	<u>7.5</u>	
Calcium (Ca)	<u>110</u>	<u>190</u>	<u>*MPL</u>
Magnesium (Mg)	<u>Nil</u>	<u>Nil</u>	
Chlorides (Cl)	<u>550</u>	<u>550</u>	
Sulfates (SO ₄)	<u>321</u>	<u>280</u>	
Bicarbonates (HCO ₃)	<u>348</u>	<u>204</u>	
Soluble Iron (Fe)	<u>Nil</u>	<u>Nil</u>	
T.D.S.	<u>1329</u>	<u>1224</u>	

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: *Jan Thompson*

HALLIBURTON COMPANY

cc:

By _____
CHEMIST

NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-104
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

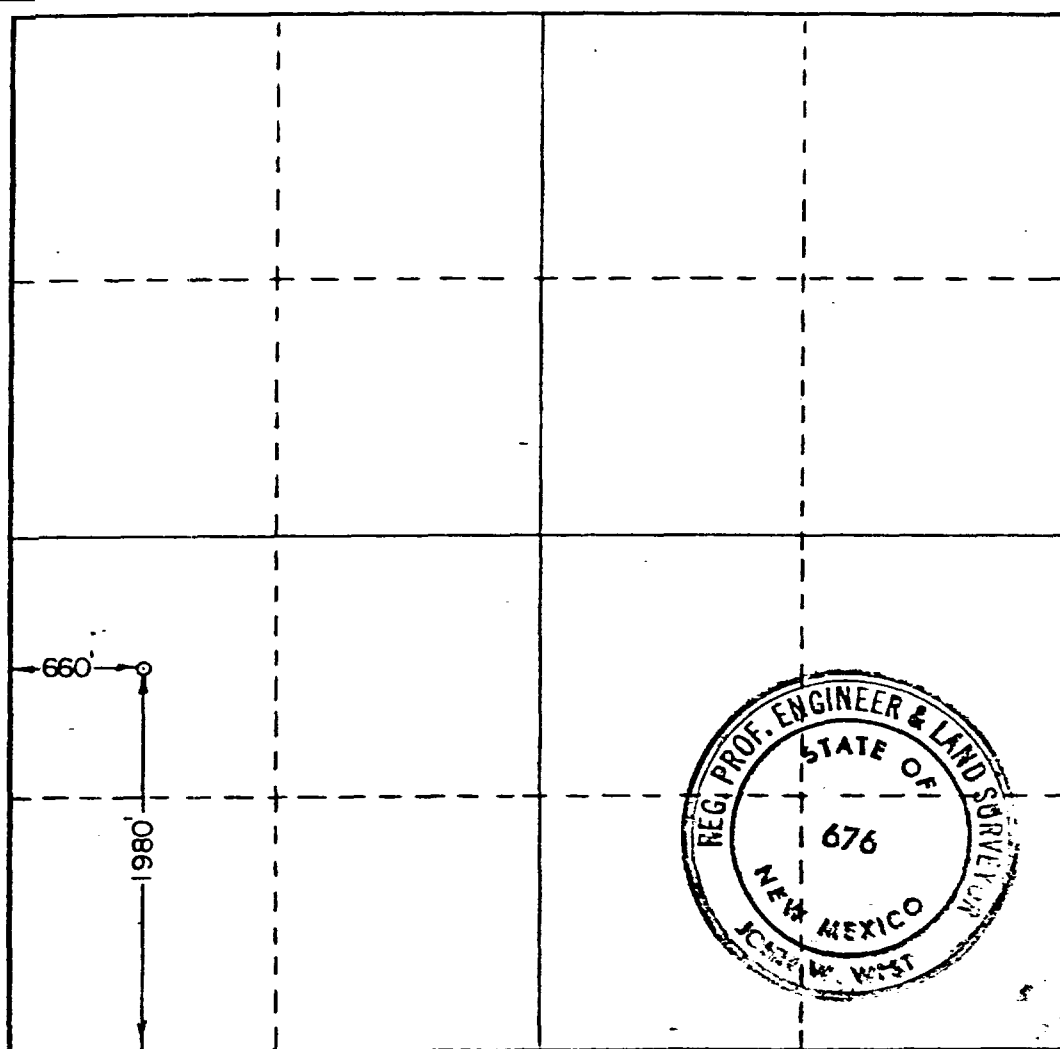
Operator SOLAR OIL COMPANY			Lease LOWE STATE		Well No. 1
Unit Letter L	Section 10	Township 15 SOUTH	Range 33 EAST	County LEA	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 660 feet from the WEST line					
Ground Level Elev. 4184.7	Producing Formation		Pool		Dedicated Acreage: Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name

Position

Company

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

MARCH 3, 1969

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

676

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is **Adv. Director** of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Leg² 1 Notice

and numbered _____ in the

..... Court of Lea
County, New Mexico, was published in a regular and
entire issue of **THE LOVINGTON DAILY LEADER**, and
not in any supplement thereof, once each week on the
same day of the week, for **one (1)**

consecutive weeks, beginning with the issue of

April 11 1986

and ending with the issue of _____

19.....

And that the cost of publishing said notice is the sum of \$ 6.03.

which sum has been (Paid) ~~XXXXXX~~ as Court Costs

Subscribed and sworn to before me this 23rd

day of April 1986

Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1986

[illegible]



NEW MEXICO STATE LAND OFFICE

APPRAISEMENT OF GRAZING AND AGRICULTURAL LANDS

TO THE COMMISSIONER OF PUBLIC LANDS, SANTA FE, N. M.

Sir:

I am well acquainted with the character of state owned lands as described on the back of this form, located in Eddy County, New Mexico, together with statement of the natural character thereof and the condition thereof:

CHARACTER OF LAND

The land is best adapted for grazing or agriculture grazing. There are natural streams, springs, ponds, and water holes as follows: No

There are irrigating ditches on land as follows: No

Give depth of well nearest this land, and state location by section, township and range NA
Sec. 10, T-15-S, R-33-E

On said land there are None acres natural hay land; None acres agricultural land, without irrigation, None acres of irrigable land, None acres in actual cultivation, and None acres timber land. State kind of timber, quality and present condition None

Is there mineral or coal on the land? No. If so, state location, extent and kind of mineral

The attached plat represents the location of said lands, the location of streams, springs, water sources and irrigation ditches, as well as the agricultural, hay and grazing land, if any, also the improvements, and said map is made a part of this affidavit.

IMPROVEMENTS

House, give size and type of construction	<u>None</u>	Value \$	<u></u>
Barns, stables and corrals	<u>None</u>	Value \$	<u></u>
Well, give depth and description	<u>None</u>	Value \$	<u></u>
Windmill	<u>None</u>	Value \$	<u></u>
Fences, give amount and kind	<u>None</u>	Value \$	<u></u>
Other improvements	<u>None</u>	Value \$	<u></u>
Total Value of improvements		\$	<u></u>

The first improvements were placed upon this section by _____ of _____ State of _____

After having personally inspected the within described tract of land, I HEREBY APPRAISE THE SAME at and state the ACTUAL CASH VALUE of same to be \$ 50.00 per acre, and certify that I am not interested in said land or leasing or sale thereof.

Signed Danny Roberts
 Danny Roberts
 P.O. SAGE ENERGY COMPANY. P. O. Drawer 3068
Midland, Texas 79702

Subscribed and sworn to before me this 25th day of April, 19 86

X F. Holzgraf F. Holzgraf
 Notary Public

My Commission Expires: 10-31-88

NOTE: The Laws of New Mexico require that all statements in appraisements must be made from personal knowledge, and not upon information and belief; save only those with reference to the actual value of the land appraised. This appraisement must be sworn to before a Notary Public or other officer authorized to administer oaths.

[illegible]

Handwritten notes:

- Awards
- N
- Hos. J.
- W 14

SIDE 1

State S "N" Unit
LEASE

-E Lea County, New Mexico
TOWNSHIP RANGE

1' FNL and 660' FSL
FOOTAGE LOCATION

Sec. 3
SECTION

Isla County, New Mexico
RANGE

Tabular Data

Size 13 ⁵/₈

Cemented with 345 ax.

feet determined by : visua

Mole size 17 1/2

Size 8 5/8

Cemented with 500 gr.

2. toc

rest determined by

Hole size 12 1/4"

Long string

Size 5 1/2

Cemented with 400 gr.

the

Feet determined by 2-

Mole size 7 7/8

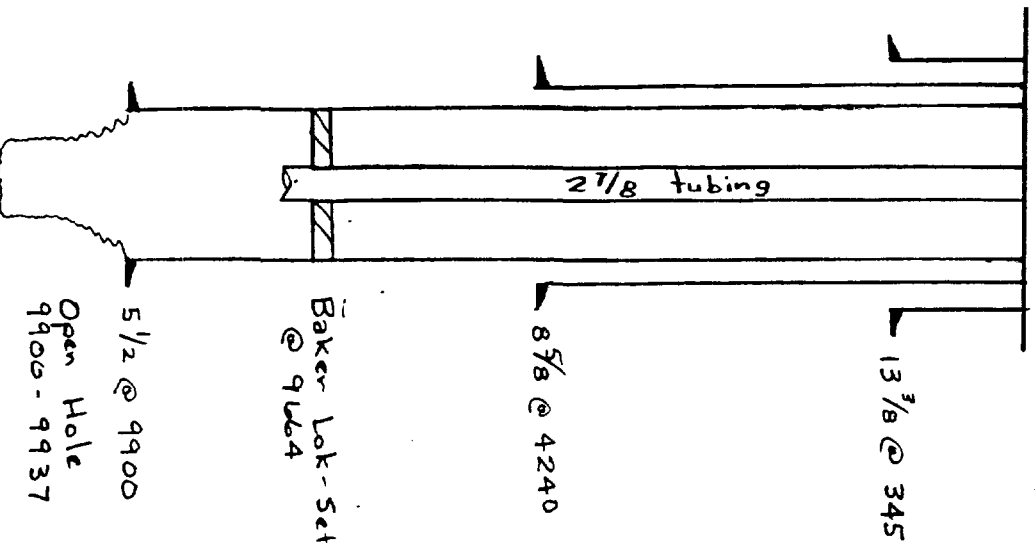
total depth

Open Hole Size 4 5/8"

Injection Interval

feel to

feet



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

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	State ☒	Fee ☐
5. State Oil & Gas Lease No. B-9380		

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 ☐ GAS WELL ☐ OTHER-	7. Unit Agreement Name ---
2. Name of Operator TEXACO Inc.	8. Farm or Lease Name New Mexico "A0" Stat
3. Address of Operator P. O. Box 728, Hobbs, New Mexico	9. Well No. 2
4. Location of Well UNIT LETTER <u>E</u> <u>2271</u> FEET FROM THE <u>North</u> LINE AND <u>661</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>15-S</u> RANGE <u>33-E</u> NMPM.	10. Field and Pool, or Wildcat Saunders Permo Penn
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

16.

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	☐
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.

1. Recover 4426' 5 1/2" casing.
2. Set CIBP at 9706' w/3 sx cement plug on top.
3. Set 25 sx cement plug at 4423'.
4. Set 25 sx cement plug at 4290'.
5. Set 10 sx cement plug at surface.
6. Install 4" dry hole marker extending 4' above ground level. Clean location.

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

SIGNED Nathan E. Clegg TITLE Assistant District Superintendent DATE 12-3-71

APPROVED BY Nathan E. Clegg TITLE INSPECTOR DATE 12-3-71

CONDITIONS OF APPROVAL, IF ANY:

INJECTION WELL DATA SHEET

Imperial Services
San Antonio 5141

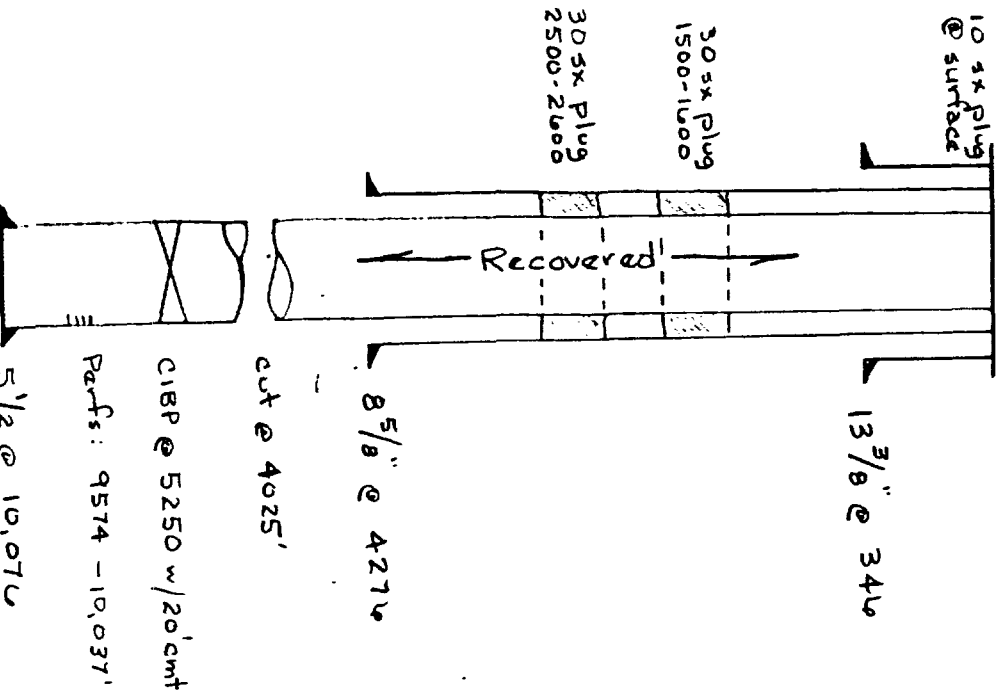
SIDE 1

Imperial-American Management Co. /
SOLAR OIL COMPANY

Sanunders State No. 1
LEASE

No. 1 660' FSL and 660' FEL of Sec. 9, T-15-S, R-33-E Lea County, New Mexico
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Tabular Data

Surface Casing
Size 13 3/8 " Cemented with 346 sx.
TOC surface feet determined by visual
Hole size 17 1/4 "

Intermediate casing
Size 8 5/8 " Cemented with 2335 sx.
TOC ? feet determined by ?
Hole size 11 "

Long string
Size 5 1/2 " Cemented with 200 sx.
TOC ? feet determined by ?
Hole size 7 7/8 "
total depth 10,076

Injection Interval
feet to feet
(perforated or open-hole, indicate which)

PAY ZONE	PROD INTERVAL	IP	BO	W	HRS	CHK	TEST BASIS
----------	---------------	----	----	---	-----	-----	------------

GOR	GTY	CP	TP	BHP	POT DATE	TREATMENT
-----	-----	----	----	-----	----------	-----------

Yates-Saunders State ac
PSA

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

NEW MEXICO OIL CONSERVATION COMMISSION

C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
K-5711	

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 ☐ GAS WELL ☐ OTHER		7. Unit Agreement Name
2. Name of Operator Imperial-American Management Co.		8. Farm or Lease Name Saunders State
3. Address of Operator 507 Midland Savings Bldg., Midland, Texas 79701		9. Well No. 1
4. Location of Well UNIT LETTER <u>P</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM <u>East</u> LINE, SECTION <u>9</u> TOWNSHIP <u>15-S</u> RANGE <u>33-E</u> NMPM.		10. Field and Pool, or Well Unit Saunders Permo Penn
15. Elevation (Show whether DF, RT, GR, etc.) 4188' GR		12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	OTHER ☐

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

Plugged and Abandoned well as follows:

8-7-71 Set Cast Iron Bridge Plug @5250' w/20' cement plug on top.

8-13-71 Rigged up. Loaded hole with 9.5# mud.

8-14-71 Shot off 5½" casing @ 4025'. Pulled & laid down casing.

Set 30 sx cement plug 2500'-2600' (base of salt)

Set 30 sx cement plug 1500-1600' (top of salt)

Set 10 sx cement plug 0-30'

Set Marker & cleaned up location - Ready for inspection 10-1-71.

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

SIGNED [Signature] TITLE Agent DATE 9-13-71

APPROVED BY [Signature] TITLE INSPECTOR DATE 9-13-71

CONDITIONS OF APPROVAL, IF ANY:

INJECTION WELL DATA SHEET

Towner
Fed 1-15

SIDE 1

TOWNER PETROLEUM CO.

Federal "15"

OPERATOR

LEASE

No. 1

1980' FNL and 1980' FEL of Sec. 15, T-15-S, R-33-E

Lea County, New Mexico

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

Schematic

Tabular Data

Surface Casing

Size 13³/₈ " Cemented with 425 sx.
TDC Circ feet determined by visual
Hole size 17¹/₄

Intermediate Casing

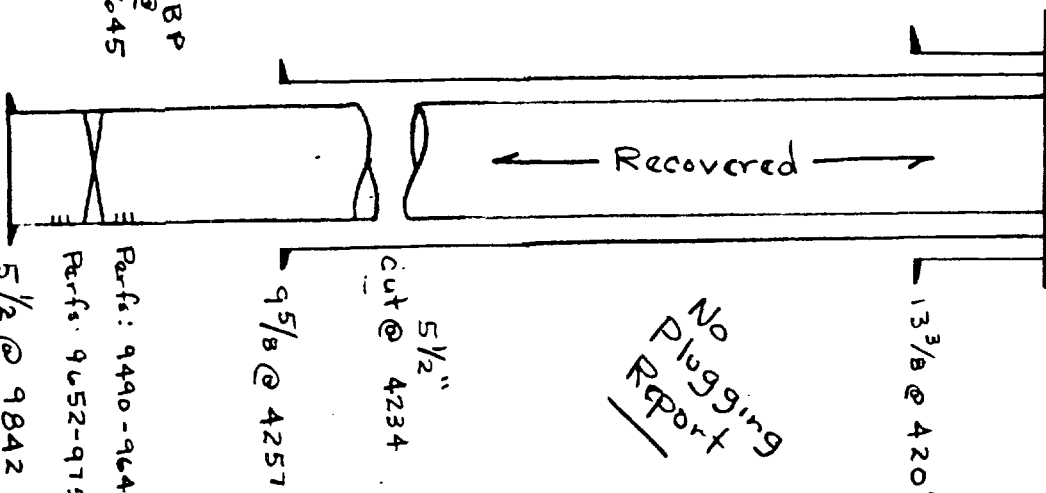
Size 9⁵/₈ " Cemented with 1365 sx.
TDC Circ feet determined by visual
Hole size 12¹/₄

Long string

Size 5¹/₂ " Cemented with 600 sx.
TDC 7700 feet determined by Temp. Survey?
Hole size 8¹/₂
total depth 9842

Injection Interval

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



CIBP
@
9645

Perfs: 9490-9649
Perfs: 9652-9752

5¹/₂ @ 9842

COUNTY	LEA	FIELD	Saunders	S. STATE
OPR	TOYNER PETROLEUM CO.			API 30-025-28112
NO	1	LEASE	Federal "15"	MAP
	Sec 15, T15S, R33E			COORD
	1980 FNL, 1980 FEL of Sec			7-2-15 NM
	26 mi SE/Caprock			SPD 1-15-83 CMP 4-17-83
CSC	WELL CLASS: INIT D FIN D LSE. CODE			
13 3/8-420-425 sx	FORMATION	DATUM	FORMATION	DATUM
9 5/8-4257-1365 sx				
5 1/2-9842-450 sx				
	10 10,500 (PSLV)		PBD	

DRY & ABANDONED

CONTR	Sierra #3	OPRSELEV	4180 GL	sub-s 17
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F.R. 12-27-82
 PD 10,500 RT (Permo-Pennsylvanian)

2-10-83 Drlg "Tight"
 2-15-83 Drlg 8425
 2-17-83 Drlg 9375
 2-21-83 Drlg 10,500
 2 DST's "Tight"

3-1-83 TD 10,500; PBD 9842; WOCT
 3-24-83 TD 10,500; PBD 9842; Swbg
 Perf (Wolfcamp) 9652-9752 w/50 shots
 Acid (9652-9752) 3000 gals
 Swbd 8 BF w/SO (9652-9752)

4-11-83 TD 10,500; PBD 9842; SIBHP
 4-20-83 TD 10,500; D&A
 7-4-83 TD 10,500; Dry & Abandoned
 Rig Released 2-28-83

7-9-83 COMPLETION ISSUED 7-2-15 NM
 IC 30-025-71000-82

RECEIVED

Budget Bureau No. 4-2165.3

125

3. LEASE DESIGNATION	AND SERIAL NO.
4. INDIAN ALLOTTEE OR TRIBE NAME	
5. UNIT AGREEMENT NAME	
6. FARM OR LEASE NAME	

Federal 15

10. FIELD AND POOL, OR WILDCAT

11-11-11 T. M. J. ON BLOOM AND BURN

OR AREA

Sec. 15-T15S-R33E

12. COUNTY OR PARISH: Lea
13. STATE: New Mexi

RT, CR, ETC.) * 19. ELEV. CASINOHEAD
4/80

ROTARY TOOLS	CABLE TOOLS
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99	99
100	100

23. WAS DIRECTIONAL SURVEY MADE

186 No. 27. WAS WELL CORED

No. 100

RECORD	AMOUNT FILLED
to surface	-0-
to surface	-0-
7700	4234

TUBING RECORD	
DEPTH SET (MD)	PACKER SET (MD)

FUTURE CEMENT SQUEEZE, ETC.	
AGENT AND KIND OF MATERIAL USED	
000 gal 15% HCL	
000 gal 15% HCL	

WELL STATUS (Producing or
-out-in)

WATER -REL.	GAS-OIL RATIO
-REL.	OIL GRAVITY-API (CORR.)

TEST WITNESSED BY

FOR RECORD

Available records

JUN 11 1983 4/20/82

ACCEPTED FOR RECORD

enc. This report marked True ^{ROSWELL, NEW MEXICO} ⁴⁻³⁻⁸⁰
ROSWELL, NEW MEXICO 4-3-80 66 Com.

INJECTION WELL DATA SHEET

SIDE 1

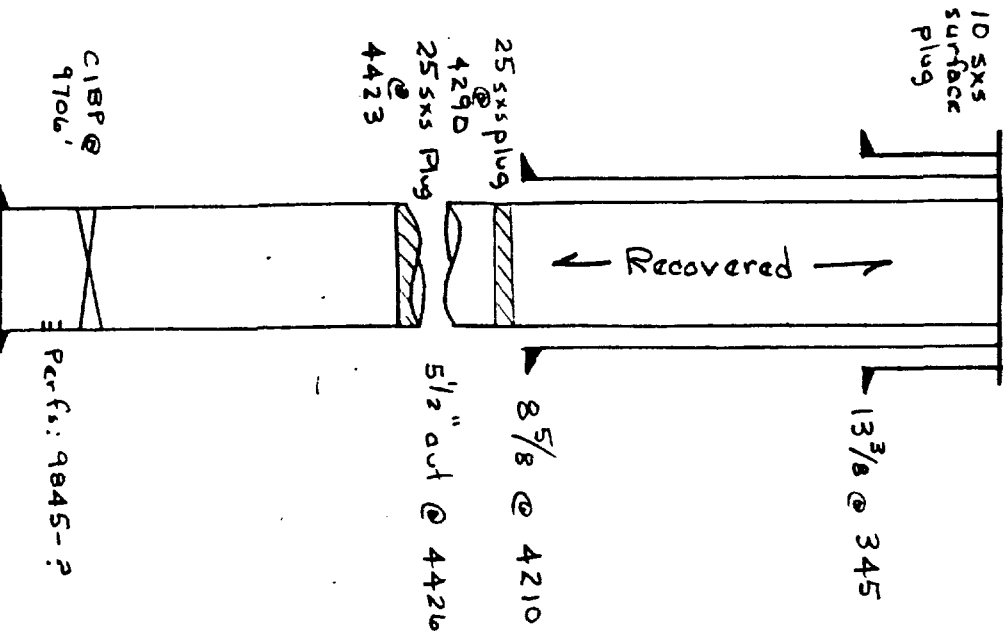
1042100
544#2

TEXACO
OPERATOR

MCT-1 State AQ
LEASE

2 2271' FNL and 661' FSL of Sec. 3, T-15-S, R-33-E Lea, New Mexico
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Tabular Data

Surface Casing
Size 13 3/8 " Cemented with 350 sx.
TOC surface feet determined by visual
Hole size 17 1/4

Intermediate Casing
Size 8 5/8 " Cemented with 500 sx.
TOC ? feet determined by ?
Hole size 12 1/4

Long string
Size 5 1/2 " Cemented with ? sx.
TOC ? feet determined by ?
Hole size 7 7/8
total depth 9990

Injection Interval
feet to feet
(perforated or open-hole, indicate which)

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

NEW MEXICO OIL CONSERVATION COMMISSION

APR 21 5 03 PM '67

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

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-9380	

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 ☐ GAS WELL ☒ OTHER. Injection Well		7. Unit Agreement Name State 3 "N" Unit
2. Name of Operator Amerada Petroleum Corporation		8. Farm or Lease Name
3. Address of Operator P.O. Box 668 - Hobbs, New Mexico		9. Well No. 14
4. Location of Well UNIT LETTER E 2271 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 3 TOWNSHIP 15S RANGE 33E NMPM.		10. Field and Pool, or Wildcat Saunders
15. Elevation (Show whether DF, RT, GR, etc.) 4208' DF		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 JOBS ☐
OTHER ☒ **Convert to Injection Well**

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 1703.

Pulled and laid down tubing & hyd. pumping equipment. Drilled 4-5/8" hole from 9900' to 9937'. Acidized OH 9900' to 9937' with 1000 gals. 15% FE acid. Ran 324 jts. 2-7/8" OD internally coated tubing set at 9664' with Baker Lok-Set packer at 9664' with 11,000# tension. Started injecting water 4-20-67. Classification changed from Penn. zone oil well to Penn. zone water injection well 4-20-67.

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

SIGNED B. J. Linsay TITLE District Superintendent DATE 4-21-67

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Leasing Method (pilot, back pr.)

Tubing Pressure (shut-in)

Casing Pressure (shut-in)

Choke Size

MALCO REFINERIES, Inc. WEEKLY REPORT

SCOUT REPORT

Field Saunders

COMPANY Texas Co.

WELL NO. 2

FARM 57-1 State AC

Scout Dist. No. 5

County Lea State N.M.

Sec 3

Twp 35 S

Rgn 33 E

Spd 2271' Comp 11/16-51

Loc 2271' FE FE FE 661' FW

9900' Test

Location.

Contractor Catena Method

El. D. F. 4202 Gr.

FORMATIONS: Penetrated

TA

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1/2 2810 KB.

4-17 4470 KB.

5-16 5174 KB.

1-17 7161 KB.

1/2 8063 KB.

1/2 8009 KB.

10-24 8018 KB.

11-27

The Subsurface Library
P. O. Box 942
Midland, Texas

CASING & CEMENT

Size	Depth	Set
13 3/4	345	350
11 1/2	4	10

COMPLETION RECORD

T. D.	6890	FE
T. P.	9145	
IVF	242	6000 20764
Tubing	2	9145 94593
Packer		
Perf.		

SHOOTING RECORD

Qty.	From
Qty.	From
Qty.	From
Results	

ACIDIZING RECORD

Gal.	600	Zone
Gal.		Zone
Gal.		Zone
Results		

Grav. 41 GOR 1400

FCP 270 SICP

FIP 200-100 SITP

SAGE ENERGY COMPANY

P. O. DRAWER 3068
MIDLAND, TEXAS 79702

915/688-5271

April 16, 1986

CERTIFIED MAIL

Mr. Jerry Dean
1532 Burch Street
Lovington, New Mexico 88260

Re: Sage Energy Company Lowe State No. 1, Saunders (Penn) Field, 660' FWL
and 1980' FSL of Sec. 10, T-15-S, R-33-E, Lea County, New Mexico.

Dear Mr. Dean:

Sage has made application to the New Mexico Conservation Commission to convert the referenced well to a disposal facility. We plan to use the existing perforations in the Saunders (Penn) formation from 9,565' to 10,000' for this purpose. It is our intent to dispose of the produced water from the Lowe State No. 2, using the existing flow line. The surface of the land will not be disturbed using this process. As surface owner, we request your consideration and approval.

If you have any questions regarding this matter, please call.

Very truly yours,

Jay H. Hardy
Vice President - Engineering

JHH:h

P 397 521 575

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Jerry Dean	
Street and No. 1532 Burch Street	
P.O., State and ZIP Code Lovington, New Mexico 88260	
Postage	\$ 1.25
Certified Fee	.85
Special Delivery Fee	
Restricted Delivery Fee	1.25
Return Receipt Showing to whom and Date Delivered	.75
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 4.10
Postmark or Date April 16, 1986	

PS Form 3800, Feb. 1982

SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.	
(CONSULT POSTMASTER FOR FEES)	
1. The following service is requested (check one). ☐ Show to whom and date delivered ☐ Show to whom, date, and address of delivery.. 2. ☐ RESTRICTED DELIVERY (The restricted delivery fee is charged in addition to the return receipt fee.)	
TOTAL \$	
3. ARTICLE ADDRESSED TO: Jerry Dean 1532 Burch Street Lovington, New Mexico 88260	
4. TYPE OF SERVICE: ☐ REGISTERED ☐ INSURED ☐ CERTIFIED ☐ COD ☐ EXPRESS MAIL	ARTICLE NUMBER P397 521 575
(Always obtain signature of addressee or agent)	
I have received the article described above. SIGNATURE ☐ Addressee ☐ Authorized agent Donna Dean	
5. DATE OF DELIVERY 4/22/86	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL