



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

11-2-89

PROPOSED LEASES AND
WELLS TO BE PRODUCED
IN THE DISTRICT OF

GARREY CARROTHERS
SUPERVISOR

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

R-8525-A

RE: Proposed:
MC _____
DHC _____
NSL _____
NSP _____
SWD ☒ _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Sage Energy Co. John Etcheberry, Jr. "A" #2-E 29-14 30
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Recommendation should go to hearing
OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

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 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 R 8505
- 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

Signature: Jay H. Hardy

Date: October 31, 1989

- * 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. Attachment for Section VI, VIII, X and XI have been previously submitted with an application dated June 19, 1987 for approval of New Mexico "30" State No. 1 Waterflood project, Lea County, New Mexico Application L-9940 approved 9-4-87.
- DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

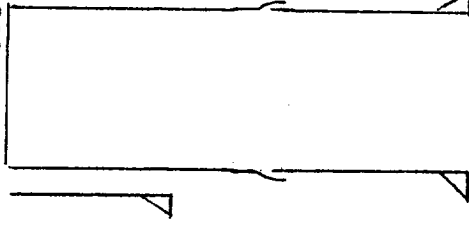
SIDE 1

SAGE ENERGY COMPANY
OPERATOR

John Etcheverry, Jr. "A"
LEASE

2 Unit Letter "E", 2080' FNL and 560' FNL of Section 29, Township 14S, R-34-E, Lea County, New Mexico
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



NEW

Tabular Data

Surface Casing

Size 12 3/4" Cemented with 425 sx.
TOC surface feet determined by visual

tie back 8 5/8" csg.
538' to surface with
250 sx. circ 100 sx.

Hole size NA

Intermediate Casing

Size 8 5/8" Cemented with 375 sx.
TOC feet determined by

Hole size

PBTD 5498'

OLD

Long string

Size 4 1/2" Cemented with 375 sx.
TOC 8288 feet determined by Calculations

Hole size 7 7/8"

Total depth 10,500

Injection Interval

10,402' feet to 10,470' feet
(perforated or open-hole, indicate which)

20 sx at 5922'

10 sx at 7990'

TBP 10,355' = 4 sx

perf. 10,402 - 70

4 1/2" at 10,500' with
375 sx

10,500 TD

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size	2 7/8"		lined with	Internal Plastic Coating (material)	set in a
-------------	--------	--	------------	--	----------

Baker Model "P"
(brand and model)

packer at 10,400± feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Bough "C" (Perry Penn)

2. Name of Field or Pool (if applicable) Tres Papalotes Penn West

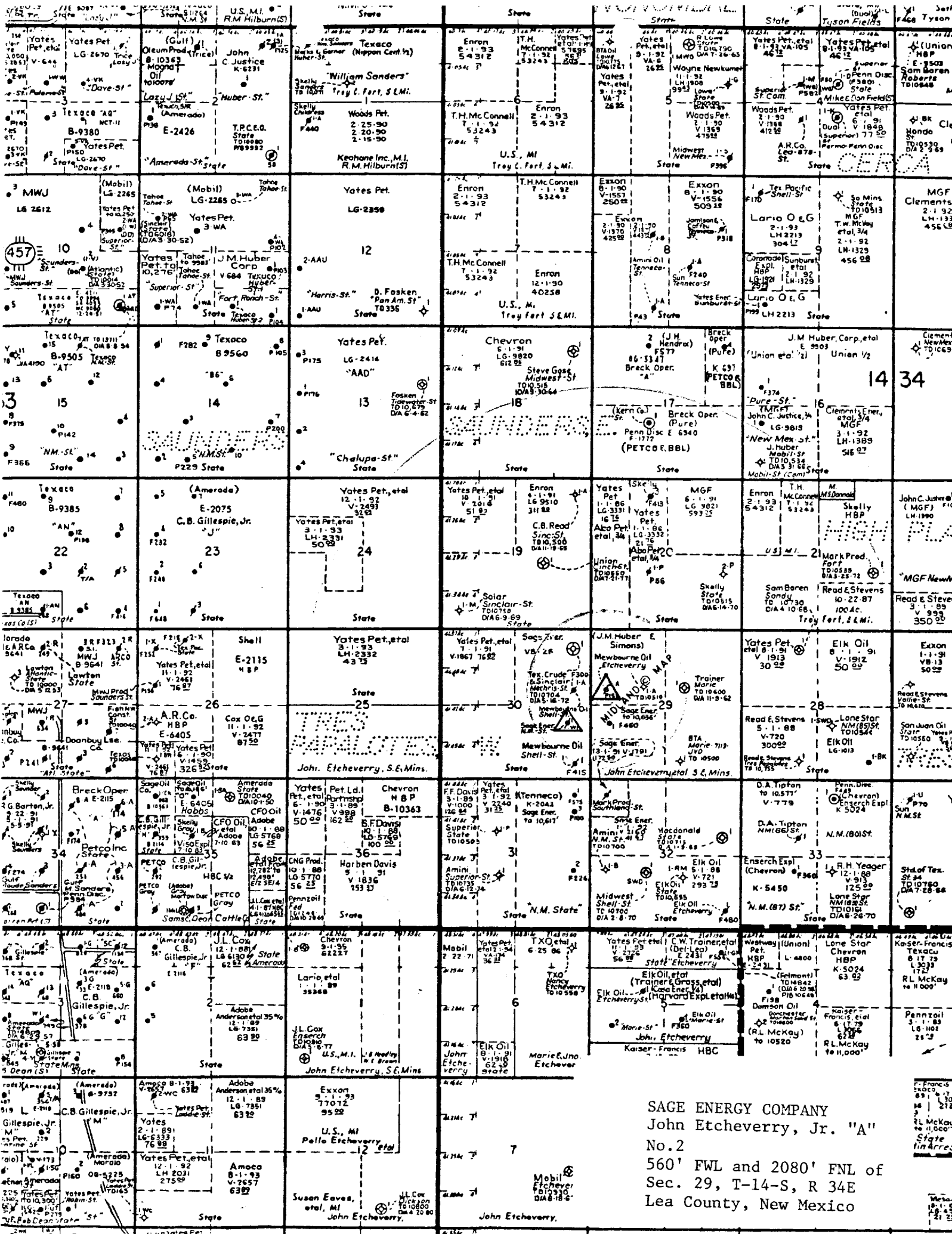
- *3. Is this a new well drilled for Injection? ☐ Yes ☒ No

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). No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. None

* Etcheverry "A" #2 was re-entered (6/89) to make a water injection well. It will be sidetracked with kick off point at 5498' and BHL 500' to North at 10,600± ft.



SAGE ENERGY COMPANY
John Etcheverry, Jr. "A"
No. 2
560' FWL and 2080' FNL of
Sec. 29, T-14-S, R 34E
Lea County, New Mexico

RECEIVED

NOV 1 1989

OCD
HOBBS OFFICE

AREA OF REVIEW JOHN ETCHERRY NO. 2-A INJECTION WELL

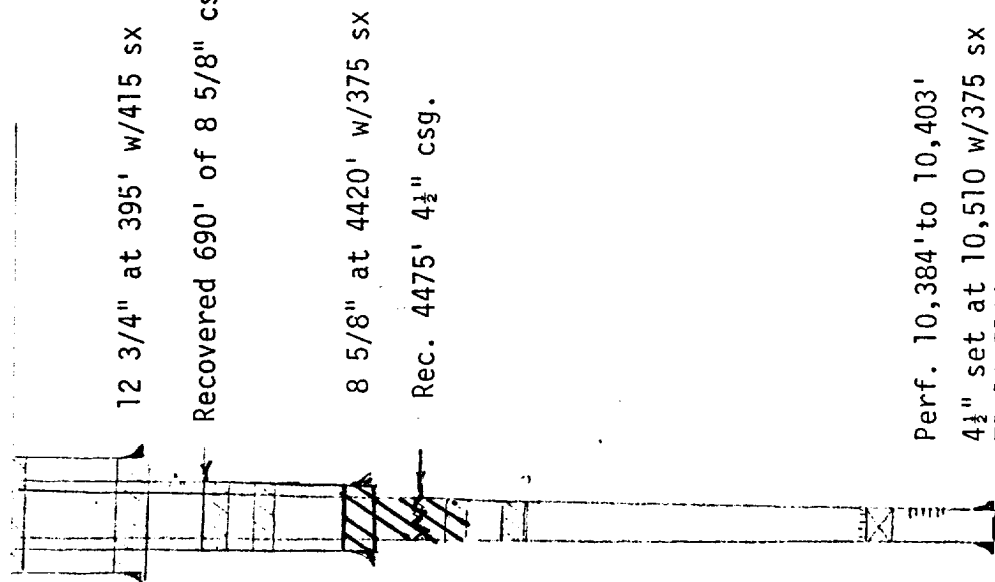
OPERATOR	LOCATION	TYPE COMPLETION	DATE	PB/TD	CASING PROGRAM AND CEMENT	PERFORATIONS
Sage Energy Company John Etcherry No. 1	Sec. 29, T-14, R-34-E	Oil	8-24-71	10,535'	12 3/4" at 390' with 400 sxs 8 5/8" at 400' with 375 sxs 4 1/2" at 10,535' with 375 sxs	10,400 to 10,418 10,440 to 10,446 10,465 to 10,475
Mewbourne Oil Company Shell State No. 1	Sec. 30, T-14 R-34-E	Oil	2-2-72	10,510'	12 3/4" at 395' with 415 sxs 8 5/8" at 4420' with 375 sxs 4 1/2" at 10,510' with 375 sxs	10,384 to 10,403
Mewbourne Oil Company Shell State No. 1A	Sec. 30, T-14, R-34-E	Oil	7-19-72	10,530'	13 3/8" at 410' with 400 sxs 8 5/8" at 4372' with 375 sxs 4 1/2" at 10,530' with 375 sxs	10,390 to 10,456
Texas Crude & Sinclair Oil Marchris-State No. 1	Sec. 30, T-14, T-34-E	D&A	5-16-72	10,704'	13 3/8" at 285' with 275 sxs 8 5/8" at 4491' with 350 sxs	
Mewbourne Oil Company Etcherry No. 1A	Sec. 29, T-14, R-34-E	D&A	11-28-71	10,515'	13 3/8" at 390' with 400 sxs 8 5/8" at 4418' with 375 sxs	
Mewbourne Oil Company Etcherry No. 2A	Sec. 29, T-14-S, R-34-E	Oil		10,500	12 3/4" at 431' with 425 sxs. 8 5/8" at 4400' with 375 sxs 4 1/2" at 10,500' with 375 sxs	10,402 to 10,470
Sage Energy Company New Mexico "30" State	Sec. 30, T-14, R-34-E	Oil		10,518'	13 3/8" at 43' with 450 sxs 8 5/8" at 4482' with 2000 sxs 5 1/2" at 10,561 with 380 sx.	10,392 to 10,407
C. W. Trainer Marie No. 1	Sec. 29, T-14-S, R-34-E	D&A	11-9-62	10,600	10 3/4" at 307' with 200 sxs 7 5/8" at 4337' with 250 sxs	

PLUGGED WELL DATA

Operator Name Mewbourne Oil Company Lease Name Shell State Well No. 1
 Footage Location 560' FSL and 560' FEL Section 30 Township T-14-S Range R-34-E
 County Lea County, New Mexico Date P&A 12-21-84

SCHEMATIC

10 sx at surface
 75 sx at 340' - 445'
 75 sx at 690' - 805'
 30 sx at 1945'
 50 sx in top of 4 1/2"
 50 sx at 4525' stub.
 20 sx at 5922'



Recovered 690' of 8 5/8" csg.

8 5/8" at 4420' w/375 sx
 Rec. 4475' 4 1/2" csg.

CIBP at 10,340' w/4 sx
 on top.

Perf. 10,384' to 10,403'
 4 1/2" set at 10,510 w/375 sx
 TD 10,510'

TABULAR DATA

Surface Casing: Size 12 3/4" set at 395'
 Cemented with 415 sx. TOC Surface
 Feet determined by Visual. Hole Size 17 1/2"
 Intermediate Casing:
 Size 8 5/8" set at 4420'
 Cemented with 375 sx. TOC 2430'
 Feet determined by calculations. Hole size 11"
 Long String:
 Size 4 1/2" set at 10,510
 Cemented with 375 sx. TOC 8288
 Feet determined by calculations. Hole size 7"
 Total Depth 10,510'
 Producing Intervals; perforated or open hole
10,384 feet to 10,403 feet

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

NEW MEXICO OIL CONSERVATION COMMISSION

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

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 - IF FORM C-1011 FOR SUCH PROPOSALS.		5a. Indicate Type of Lease State ☒ Fee ☐ 5. State Oil & Gas Lease No.
1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ 2. Name of Operator Mewbourne Oil Company 3. Address of Operator P. O. Box 7698, Tyler, Texas 75711 4. Location of Well UNIT LETTER <u>P</u> <u>560</u> FEET FROM THE <u>South</u> LINE AND <u>560</u> FEET FROM THE <u>East</u> LINE, SECTION <u>30</u> TOWNSHIP <u>14-S</u> RANGE <u>34-E</u> NMPM.		7. Unit Agreement Name 8. Farm or Lease Name Shell-State 9. Well No. 1 10. Field and Pool, or Wildcat Tres Papalotes Permo-Penn
15. Elevation (Show whether DF, RT, GR, etc.) 4143' GL		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 ☐	SUBSEQUENT REPORT OF: PLUG AND ABANDON ☐ CHANGE PLANS ☐ OTHER ☐ 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.
- 12-13-84 Set CIBP at 10,340' and capped with 4 sxs cement.
 - 12-14-84 Circulated hole with mud. Pulled out of hole and set 20 sx cement plug. Pulled out to 5922' and set 20 sx cement plug. Cut off csg at 4475'.
 - 12-15-84 Set 50 sx cement at 4525'.
 - 12-19-84 Spotted 30 sx cement plug at 1945'. Went in hole with tubing to 805'. Spotted 50 sx plug in top of 8-5/8" stub.
 - 12-20-84 Tagged 8-5/8" stub plug at 690'. Spotted 75 sx cement plug at 445'.
 - 12-21-84 Tagged cement plug at 340'. Cut off wellhead and set 10 sx surface plug and erected dry hole marker.

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

SIGNED Raymond Thompson TITLE Gas Control Supervisor DATE January 14, 1985

APPROVED BY R. A. Fuller TITLE OIL & GAS INSPECTOR DATE 4-1-85

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

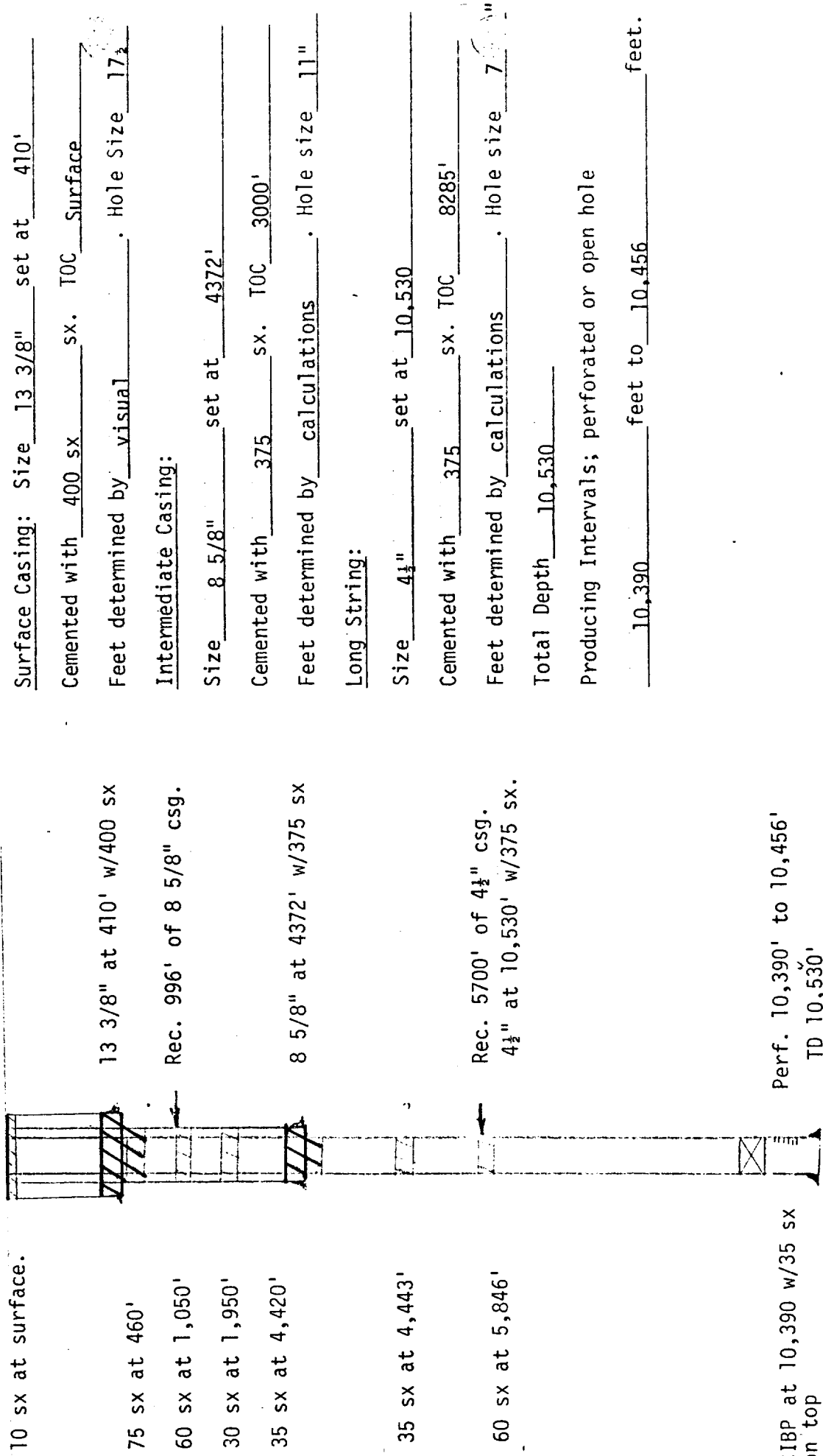
NOV 1 1983

OCD
HOBBS OFFICE

PLUGGED WELL DATA

Operator Name Mewborne Oil Company Lease Name Shell "A" State Well No. 1
 Footage Location 2080' FNL and 560' FEL Section 30 Township 14S Range 34E
 County Lea Date P&A 11-30-78

Schematic



TABULAR DATA

Surface Casing: Size 13 3/8" set at 410'
 Cemented with 400 sx. TOC Surface
 Feet determined by visual. Hole Size 17"
 Intermediate Casing:
 Size 8 5/8" set at 4372'
 Cemented with 375 sx. TOC 3000'
 Feet determined by calculations. Hole size 11"
 Long String:
 Size 4 1/2" set at 10,530'
 Cemented with 375 sx. TOC 8285'
 Feet determined by calculations. Hole size 7"
 Total Depth 10,530'
 Producing Intervals; perforated or open hole
10,390' feet to 10,456' feet.

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

EXICO OIL CONSERVATION COMM

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

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
NM 3352

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 L-1 (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☒	GAS WELL ☐	OTHER ☐
Name of Operator		
MEWBOURNE OIL COMPANY		
Address of Operator		
P. O. Box 7698, Tyler, TX 75711		
Location of Well		
UNIT LETTER	H	2080
FEET FROM THE North LINE AND 560 FEET FROM		
THE East	LINE, SECTION 30	TOWNSHIP 14S RANGE 34E NMPM.

7. Unit Agreement Name
8. Farm or Lease Name
Shell "A" State
9. Well No.
1
10. Field and Pool, or Wildcat
Tres Papalotes-Wes
12. County
Lea

15. Elevation (Show whether DF, RT, GR, etc.)
4143 GL

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	☐		

16. 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 November 3, 1978 plugged well as follows:

Set Cast Iron Plug at top perforations - 10,390', with 35 sax cement on top.
25 sx plug at 5846'
35 sx plug at 5846'
35 sx plug at 4443'
35 sx plug at 4420'
30 sx plug at 1950'
60 sx plug at 1050'
75 sx plug at 460'
10 sx at top with marker.

4-1/2" casing was shot off at 5700' and the 5700' were pulled.
8-5/8" casing was shot off at 995' and 995' were pulled.

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

SIGNED	Margaret Lutz	TITLE	Production Clerk	DATE	11/30/78
APPROVED BY	Eddie Lutz	TITLE	OIL & GAS INSPECTOR	DATE	MAR 1 1981
CONDITIONS OF APPROVAL, IF ANY:					

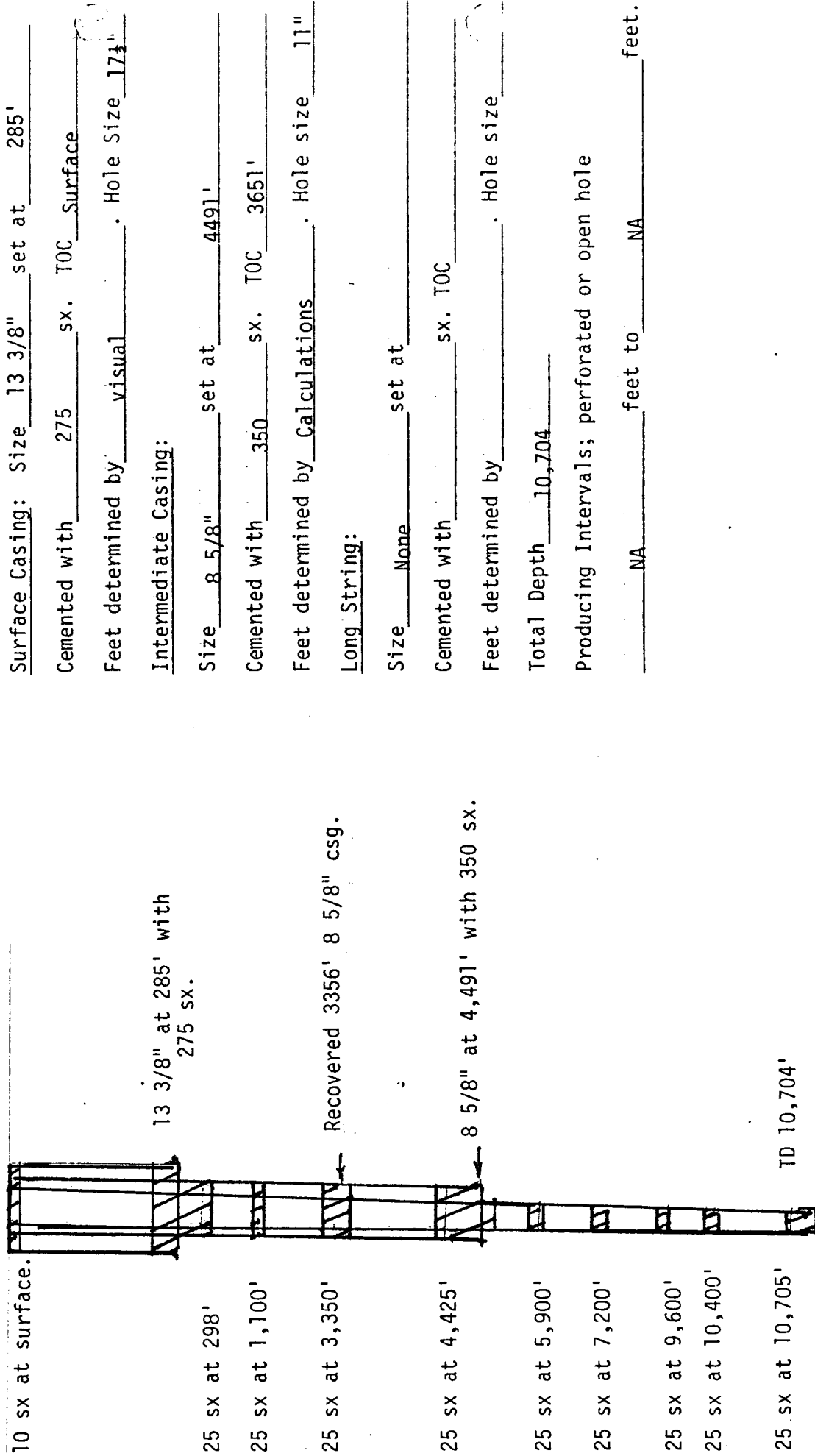
PLUGGED WELL DATA

Operator Name Tex.-Crude/Sinclair O&G Co. Lease Name Madchris-State Well No. 1

Footage Location 660' FN and 660' FE Section 30 Township 14-S Range 34-E

County Lea Date P&A June, 1949

SCHEMATIC



TABULAR DATA

Surface Casing: Size 13 3/8" set at 285'

Cemented with 275 sx. TOC Surface

Feet determined by visual. Hole Size 17 1/2"

Intermediate Casing:

Size 8 5/8" set at 4491'

Cemented with 350 sx. TOC 3651'

Feet determined by Calculations. Hole size 11"

Long String:

Size None set at

Cemented with sx. TOC

Feet determined by . Hole size

Total Depth 10,704

Producing Intervals; perforated or open hole

NA feet to NA feet.

NUMBER OF COPIES RECEIVED DISTRIBUTION		NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS (Submit to appropriate District Office as per Commission Rule 1106)		FORM C-103 (Rev 3-55)
SANTA FE FILE U.S.G.S. LAND OFFICE TRANSPORTER PROMOTION OFFICE OPERATOR	OIL GAS			

Name of Company		Address			
Texas Crude Oil Company-Sinclair Oil & Gas Co.		205 V-A J Tower, Midland, Texas			
Lease	Well No.	Unit Letter	Section	Township	Range
Macris-State	1-30	A	30	14-S	34-E
Date Work Performed	Pool	County			
See Below	Wildcat	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.

Cement plugs spotted 5-14-62 as follows:

- 25 sx @ 10,705'
- 25 sx @ 10,400' ✓
- 25 sx @ 9,600' ✓
- 25 sx @ 7,200' ✓
- 25 sx @ 5,900' ✓
- 25 sx @ 4,425' ✓

3356' of 8-5/8" casing was pulled and plugs spotted 6-9-62 as follows:

- 25 sx @ 3,250'
- 25 sx @ 1,100'
- 25 sx @ 298'
- 10 sx @ top of surface.

Steel marker placed in top. Pits will be filled and location cleaned and leveled when pits are dry.

Witnessed by	Position	Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
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 <i>John W. Runyan</i>		Name <i>Jack Howard</i>	
Title		Position Division Superintendent	
Date		Company Texas Crude Oil Company	

Corrected 8/6/81

PLUGGED WELL DATA

Operator Name Mark Production Co-Mewborne Oil Lease Name John Etchevery, Jr. "A"

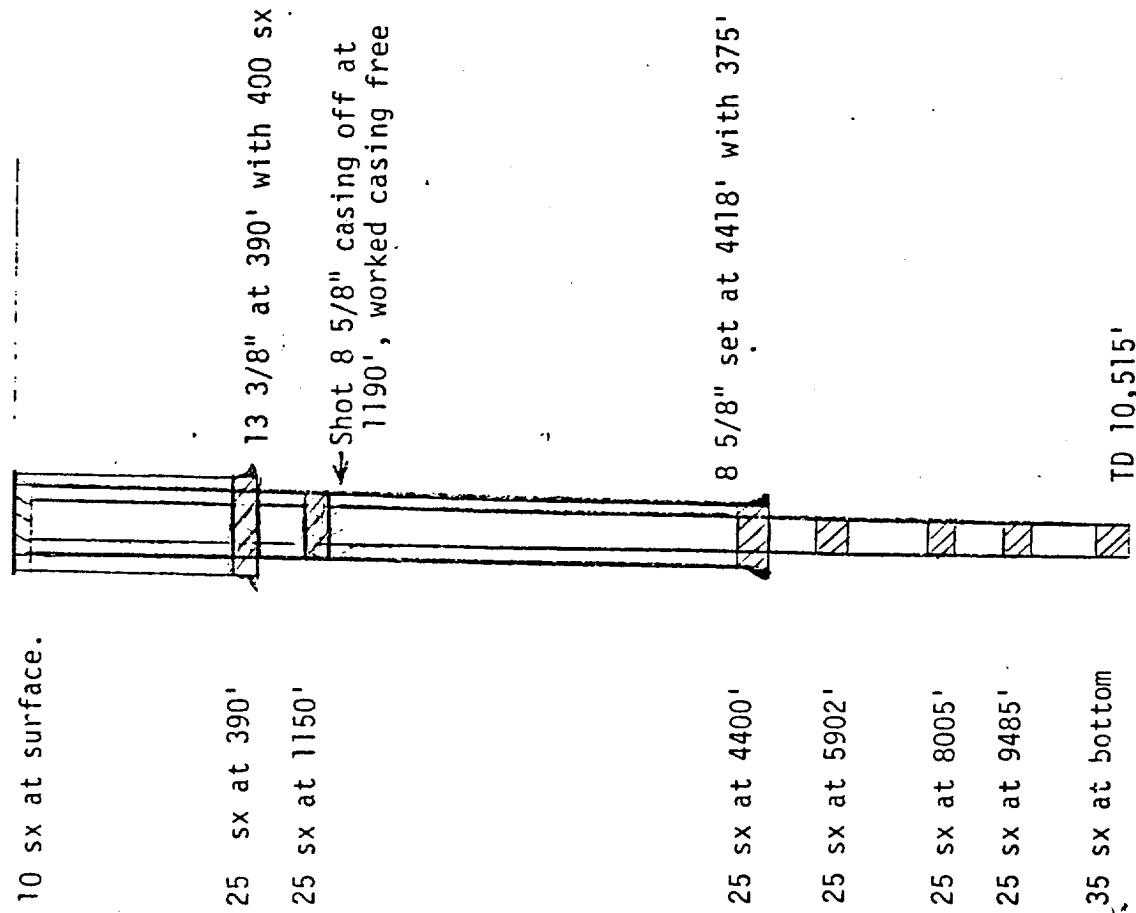
Well No. 1

Toy N. Hardy

Footage Location 1980 FNL and 1830 FNL Section 29 Township 14S Range 34E

County Lea Date P&A 1-20-72

SCHEMATIC



TABULAR DATA

Surface Casing: Size 13 3/8" set at 390
Cemented with 400 sx. TOC Surface
Feet determined by Visual. Hole Size "
Intermediate Casing:
Size 8 5/8" set at 4418'
Cemented with 375 sx. TOC 3500'
Feet determined by Calculations. Hole size 11"
Long String:
Size None set at ;
Cemented with sx. TOC
Feet determined by . Hole size
Total Depth 10,515
Producing Intervals; perforated or open hole
 feet to feet.

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

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 Mark Production Company	8. Farm or Lease Name John Etcheverry, Jr. "A"
3. Address of Operator 1108 Simons Building, Dallas, Texas 75201	9. Well No. 1
4. Location of Well UNIT LETTER F 1980 FEET FROM THE North LINE AND 1830 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 14-S RANGE 34-E NMPM.	10. Field and Pool, or Wildcat Indesignated
15. Elevation (Show whether DF, RT, GR, etc.) 4141' GL	12. County Lea

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.

11-28-71 Drilled to 10,515' - plugged and abandoning

10 jts of 12-3/4" casing set at 390' left in hole.
114 jts of 8-5/8" casing set at 4418' left in hole.

Set 35 sack plug at bottom
Set 25 sack plug at 9485' - Wolfcamp
Set 25 sack plug at 8005' - Abo
Set 25 sack plug at 5902' - Glorieta
Set 25 sack plug at bottom of intermediate - 4400'

Planning to pull 8-5/8" casing when weather permits rig to move off location. Will place 25 sack plug on top of stub, 25 sacks at bottom of 12-3/4" casing and 10 sacks at top with a cap.

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

SIGNED [Signature] TITLE Assistant Secretary DATE 12-2-71

APPROVED BY [Signature] TITLE MANAGER DISTRICT 1 DATE DEC 13 1971

CONDITIONS OF APPROVAL, IF ANY:

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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.

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 Dry	7. Unit Agreement Name
2. Name of Operator Mark Production Company	8. Farm or Lease Name John Etcheverry, Jr. "A"
3. Address of Operator 1108 Simons Building, Dallas, Texas 75201	9. Well No. 1
4. Location of Well UNIT LETTER F , 1980 FEET FROM THE North LINE AND 1830 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 14-S RANGE 34-E NMPM.	10. Field and Pool, or Wildcat Undesignated
15. Elevation (Show whether DF, RT, GR, etc.) 4141' GL	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.

1-1-72 Shot 8-5/8" casing off at approximately 1190' - worked casing free -

Set plug No. 1	25 sacks	@ 1150'	8-5/8" Stub
Set Plug No. 2	25 sacks	@ 390'	13-3/8" shoe
Set Plug No. 3	10 sacks	@ Surface	

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

SIGNED *Gaylord Thompson* TITLE Assistant Secretary DATE 1-20-72

APPROVED BY *Nathan E. Olegg* TITLE OIL & GAS INSPECTOR DATE MAR 6 1972

CONDITIONS OF APPROVAL, IF ANY:

INJECTION WELL DATA SHEET

SIDE 1

C. W. Trainer
OPERATOR

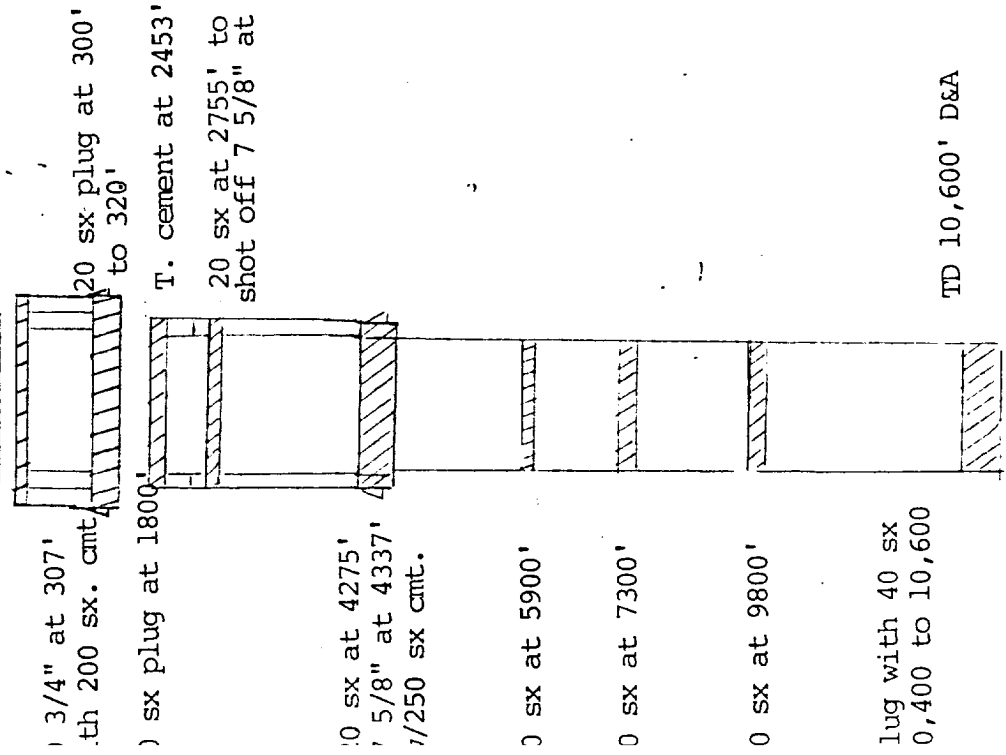
Maria
LEASE

1 1980' FNL and 1980' FEL
WELL NO. FOOTAGE LOCATION

29 SECTION
TOWNSHIP

R-34-E
RANGE

Schematic



Tabular Data

Surface Casing

Size 10 3/4" @ 307" Cemented with 200 sx.

TOC Surface feet determined by visual

Hole size 10 3/4"

Intermediate Casing

Size 7 5/8" at 4337" Cemented with 250 sx.

TOC 2453' feet determined by calculated

Hole size 9 7/8"

Long string

Size " Cemented with sx.

TOC feet determined by

Hole size 6 3/4"

Total depth 10,600'

Injection Interval

TD 10,600' D&A

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

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	GAS
PRODUCTION OFFICE	
OPERATOR	

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)

Name of Company C. W. TRAINER		Address P. O. BOX 2222 HOBBS, NEW MEXICO	
Lease MARIA	Well No. 1	Unit Letter G	Section 29
Date Work Performed 12/14/62 TO 1/21/63		Pool WILDCAT	Township 14-SOUTH
		County LEA	Range 34-EAST
THIS IS A REPORT OF: (Check appropriate block)			
☐ Beginning Drilling Operations		☐ Casing Test and Cement Job	
☒ Plugging		☐ Other (Explain):	
		☐ Remedial Work	

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

THIS WELL WAS PLUGGED AND ABANDONED AS FOLLOWS:

1. 40 SX. CEMENT PLUG 10,400 - 10,600
2. 20 SX. CEMENT PLUG 9,800 - 9,900
3. 20 SX. CEMENT PLUG 7,300 - 7,400
4. 20 SX. CEMENT PLUG 5,900 - 6,000
5. 20 SX. CEMENT PLUG 4,275 - 4,375 (BASE OF 7 5/8" CASING)
6. SHOT OFF 7 5/8" CASING AT 2855
7. 20 SX. CEMENT PLUG 2,775 - 2,875 (7 5/8" STUB)
8. 20 SX. CEMENT PLUG 1,800 - 1,900
9. 20 SX. CEMENT PLUG 300 - 320 (BOTTOM OF 10 3/4" CASING)
10. SET REGULATION MARKER WITH 10 SX. CEMENT.
11. LOCATION HAS BEEN CLEANED AND IS READY FOR INSPECTION.

Witnessed by C. W. TRAINER	Position OWNER - OPERATOR	Company C. W. TRAINER
--------------------------------------	-------------------------------------	---------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA			
D F Elev.	T D	P B T D	Producing Interval
Completion Date			
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 <i>John W. Rumpson</i>	Name <i>O. K. Gilbreth Jr</i>		
Title <i>Asst. Dir.</i>	Position O. K. GILBRETH, JR. ENGINEER		
Date <i>Jan 1963</i>	Company C. W. TRAINER		

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later than twenty days after completion of well follow instructions in case and copy of the Commission. Submit in QUINTUPLE If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

C. W. TRAINER
.....
(Company or Operator)

Maria
(Lena)

Well No. 1, in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, of Sec 29, T -14-S, R -34-E, NMPM.
Wildcat Pool, Lea County.

Well is 1980 feet from North line and 1980 feet from East line
of Section 29 If State Land the Oil and Gas Lease No. is _____

of Section.....29..... If State Land the Oil and Gas Lease Not
Drilling Commenced.....September 17....., 1962..... Drilling was Completed.....November 6....., 1962.....

Name of Drilling Contractor.....Forster Drilling Company, Inc.

Address P. O. Box 32 Odessa, Texas

Address.....
Elevation above sea level at Top of Tubing Head..... 4138.70 GL..... The information given is to be kept confidential until
Not Confidential....., 19.....

OIL SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....

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

No. 2, from.....to.....feet.

No. 3, from to feet.

No. 4, from.....to.....feet.....

CASING RECORD

CASING RECORD							
SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4	45#	Used	294				Surface
7 5/8	26.4#	New & Used	4325	HOWCO	2855		Intermediate

MUDDING AND CEMENTING RECORD

MUDDING AND CEMENTING RECORD						
SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/4	10 3/4	307	200	Dowell		
9 7/8	7 5/8	4337	250	Dowell		
6 3/4	None					

RECORD OF PRODUCTION AND STIMULATION

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

Data on Proposed Operation

Secondary Recovery Unit

VII.

1. Estimated average injection rate is 300 BWPD and the maximum is 500 BWPD.
2. The system is closed.
3. Estimated average injection pressure is 2000 psi and the maximum is 3000 psi.
4. Injection fluid is fresh and produced water. Analysis of fresh water is attached.
5. Not applicable.

VIII

The injection zone is;

Perforations from 10,402' to 10,407'. Top of Permo. - Penn(Bough "C") is 10,392'. The thickness of the Permo Penn formation is 700'

Source of drinking water is Cretaceous at 250' to 350'.

- IX. No stimulation program needed.
- X. Logs and test data on file with the division.
- XI. Analysis attached.

XIII.

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

GEOLOGY

The Tres Papalotes field located in T-14, R-34, Lea County, New Mexico, produces from several members of the Bough "C" formation. The Bough "C" is widely productive along the western platform margin of the Tatum Basin. Dated as Permo-Penn in age, the productive members consist of clean porous white limestone, very fossiliferous, with chert nodules interspersed within the limestone. The depositional model of this reservoir is most likely algal mats that grew and thrived within the photic zone, basinward from the basin edge in a relatively high energy environment, creating in the process the porous high permeability productive limestone.

WATER ANALYSIS - HALLIBURTON SERVICES

Located NW/4 of SW/4 of Section 29, T-14-S,
R-34-E, Lea County, New Mexico.

Res. at 70° = 5.41 ohms

G. S. = 1.000

PL = 7.8

Ca ++ = 100 ppm
Ma ++ = 100 ppm
Cl - = 75 ppm
SO₄ -- = 70 ppm
Bicarb = 168 ppm
Fe = None

513 ppm

PROOF OF NOTICE

SECONDARY RECOVERY

- (1.) Sage Energy Company
P. O. Drawer 3068
Midland, Texas 79702

Jay H. Hardy, Vice President - Engineering
AC 915 683 5271
- (2.) Application for injection well located Unit Letter "E", 2080 feet from the North Line and 560 feet from the West Line of Section 29, T-14-S, R-34-E, Lea County, New Mexico.
John Etcheverry Jr. "A" Well No. 2
- (3.) The formation name Bough "C" with injection intervals from 10,402' to 10,407'. The estimated injection rate is 300 BWPD and the maximum rate of 500 BWPD with 13000 psi.
- (4.) Notice has been sent to the following parties:
 - Commissioner of Public Lands
State of New Mexico Attn: Frank Prado, Oil and Gas Division
P. O. Box 1148
Santa Fe, New Mexico 87501
 - New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240
 - New Mexico Oil Conservation Commission
P. O. Box 2088 Attn: Mike Stogner
Santa Fe, New Mexico 87501
 - Yates Petroleum Company
105 South 4th Street
Artesia New Mexico 88210
 - John Etcheverry, Jr.
P. O. Box 1656
Lovington, New Mexico 88260
 - Enron Oil and Gas Co.
P. O. Box 2267
Midland, Texas 79702