### STATE OF NEW MEXICO

### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT



OIL CONSERVATION DIVISION

BRUCE KING

August 27, 1991

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Sage Energy Company P.O. Drawer 3068 Midland, Texas 79702

Attention: Jay H. Hardy

RE: Injection Pressure Increase W. Tres Papalotes Penn Unit

Well No. 2

Lea County, New Mexico

Dear Sir:

Reference is made to your request date July 8, 1991, to increase the surface injection pressure on the W. Tres Papalotes Penn Unit Well No. 2. This request is based on a step rate test conducted on the well on July 3, 1991. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

### WELL AND LOCATION

MAXIMUM INJECTION SURFACE PRESSURE

W. Tres Papalotes Penn Unit Well No. 2 Unit E, Section 29, T-14 South, R-34 East, NMPM Lea County, New Mexico

cc:

3350 PSIG

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay

Director

WJL/DC/jc

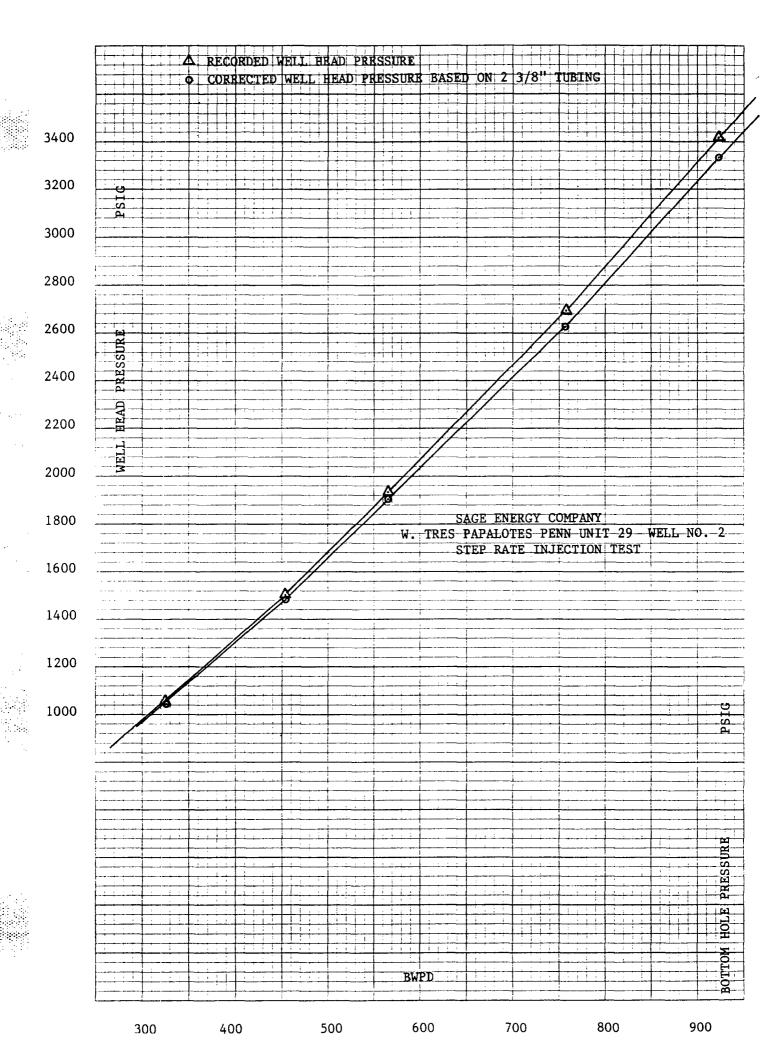
Oil Conservation Division - Hobbs

File: Case No. 9826

D. Catanach

R. Brown

COMPANY: Dage Energy Company	
ADDRESS: D.O. Drawer 3068	
CITY, STATE, ZIP: Midland, Texas 1422	
ATTENTION: lay H. Hardy	
<del>-                                    </del>	
•	essure Increase
W. Tres Pap	ildes Pens Unil
well No. 3	?
<u>kea</u> cou	nty, New Mexico
Dear Sir:	
Reference is made to your request dated for some increase the surface injection pressure on the work is based test conducted on the well on foly 3.  of the test have been reviewed by my staff and we feinjection pressure on the well is justified at this	<u>9/</u> . The results el an increase in
You are therefore authorized to increase the surface pressure on the following well:	injection
probbate on the restauring west.	
Well & Location	Maximum Injection Surface Pressure
W. Tres Papolitio Penn Unil Well No. 2 Unil E, Section FR, T- About, 2-34 E.L. Linger	3350 PV6
hea Costy, New Mexico	
	,
The Division Director may rescind this injection pre it becomes apparent that the injected water is not be the injection zone or is endangering any fresh water	eing confined to
A. Brown	
XC: T. GALLEGOS  D. CATANACH  FILE- Cose 98-6  OCD- Actor	



### JOHN WEST ENGINEERING CO. Step Rate injection Test

Well Name W. TES PAPALOTES PENN UNIT 29 WELL NO. 2

Date 7-3-91

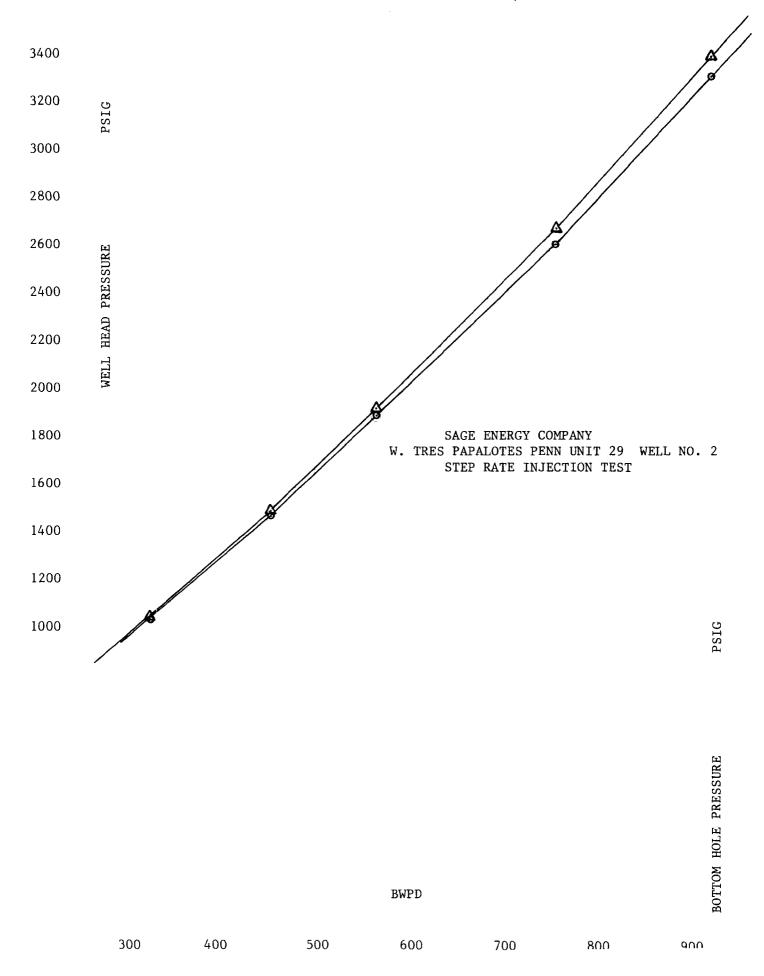
CO. Name SAGE ENERGY COMPANY PKR 10,368

PAGE 1

		· · · · · · · · · · · · · · · · · · ·	*	P/	AGE 1	<del></del>	·	·
Remarks	Tlma	Tbg. Press.	Rate BWPD.	Total	ВИР	Tbg. Press.	Rale GPM	Head Loss
	8:20 AM	307.6		0				
	8:25 AM	776.40	345.60	1.2				
<del></del>	8:30 AM	957.70	316.80	2.3			,	
1	8:35 AM	1055.00	316.80	3,4		1043.7	9.52	11.271
<del></del>			326.40				ļ	
<del></del>	8:40 AM	1299.00	432.00	4.9				
······································	8:45 AM	1423.70	432.00	6.4				<u> </u>
2	8:50 AM	1499.80	460.80	8.0		1480.1	12.88	19.717
			441.60			<u> </u>	ļ <u>-</u>	
<del>*************************************</del>	8:55 AM	1731.00	547.20	9.9		<u> </u>		
	9:00 AM	1845.70	576.00	11.9		<u> </u>		<del> </del>
3.	9:05 AM	1935.00	576.00	13.9		1903.8	16.52	31.248
•			566,40				ò	
<del>*************************************</del>	9:10 AM	2410.20		16.5				
<del></del>	9:15 AM	2594.70		19.2				
4	9:20 AM	2688.20		21.8		2634.6	22.12	52.623
	9:25 AM	2102 10	758.40	25.0		1		-
<del></del>	9:23 AM 9:30 AM	3102.10 3286.30	į	25.0 28.1		1	-	-   · · · · · · · ·
5	9:35 AM	3404.00		31.4		3327.1	26.88	76.903
		310100	921.60					
			721.00					
FALL-OFF	9:36	2702						
	9:37	2426						
	9:38	2248						
; ; ;	9:39	2112.2						
	9:40	1997.00						
5 MINUTE	9:45	1659.10						
5 MINUTE	9:50	1438.50						
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<b>3</b>	•	•	•	•	•	-	-	



• CORRECTED WELL HEAD PRESSURE BASED ON 2 3/8" TUBING



### JOHN WEST ENGINEERING CO. Step Rate injection Test

Well Name W. TES PAPALOTES PENN UNIT 29 WELL NO. 2

Date\_\_\_\_\_\_7-3-91

CO. Name SAGE ENERGY COMPANY PKR 10,368

PAGE 1

	<u> </u>			PA	AGE 1	·		
Remarks	Tima	Tbg. Press.	Rate BWPD.	Total	B. H. P	Tbg. Press.	Rate G P M	Heud Loss
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	8:25 AM	776.40	345.60	1.2				
	8:30 AM	957.70	316.80	2.3				
. 1	8:35 AM	1055.00	316.80	3.4		1043.7	9.52	11.271
<u>-</u>	0.33 1.11	1033.00	326.40			1043.7	7.32	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8:40 AM	1299.00	432.00	4.9				
¥	8:45 AM	1423.70	432.00	6.4				
2	8:50 AM	1499.80	460.80	8.0		1480.1	12.88	19.717
	·		441.60					
	8:55 AM	1731.00		9.9				
	9:00 AM	1845.70		11.9				
3	9:05 AM	1935.00		13.9		1903.8	16.52	31.248
			566.40			1232.0	1	
•	9:10 AM	2410.20		16.5			i,	
v. A	9:15 AM	2594.70	777.60	19.2				
<u>         4                           </u>	9:20 AM	2688.20	748.80	21.8		2634.6	22.12	52.623
X A	<u> </u>		758.40					
	9:25 AM	3102.10	921.60	25.0			_	
w. A	9:30 AM	3286.30	892.80	28.1			_	
<u>.                                      </u>	9:35 AM	3404.00	950.40	31.4		3327.1	26.88	76.903
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X X								
FALL-OFF	9:36	2702						
	9:37	2426						
М М	9:38	2248					_	
/	9:39	2112.2					·	
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5 MINUTE	9:45	1659.10						
5 MINUTE	9:50	1438.50						
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OIL CONSER. IN DIVISION REC. YED

### SAGE ENERGY COMPANY

P. O. DRAWER 3068
MIDLAND, TEXAS 79702

'91 JUL 10 AM 8 44

915/683-5271

July 8, 1991

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Attn: William J. Le May

Director

RE: Injection Pressure Increase
W. Tres Paplotes Penn Unit 29
Well No. 2 (DO R8505-A)
Sec 29, T-14-S, R-34-E
Lea County, New Mexico

Dear Mr. Le May,

Sage Energy Company respectfully requests that permission be granted to increase the injection pressure into the subject well from 2000 psi to 3400 psi. This is based on a step rate test (see attached) run by John West Engineering Company on July 3, 1991. The test indicates that the Penn formation is not being fractured at the requested injection pressure.

Sincerely

Vice President Engineering

CC: Jerry Sexton Supervisor

Oil Conservation Division I

File

Attachment

JHH/bb

CHE CO HINKLE COXHEATON, COFFIELD & HENSLEY

January 26, 1990

LEWIS C COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD ... HENSLEY, JR.
STUART D. SHANOR
C. D. MATTIN C. D. MARTIN
PAUL J. KELLY, JR.
CWEN M. LOPEZ
DOUGLAS L. LLINSFORD
JOHN J. KELLY

C. D. MARTN.
CWEN M. LOPEZ
DOUGLAS L. L. NSFODO
JOHN J. KELLY
T. CALER EZZICLL, JR.
WILLIAM B. BURFORD\*
RICHARD E. OLSON
RICHARD E. OLSON
RICHARD E. WILFONS\*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY D. HEWETT
JAMES BRUCE
JEFREY D. HEWETT
JAMES BRUCE
JERRY F. SMACKELFORD\*
LEFREY W. HE.LBERG\*
ALBERT I. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS\*
THOMAS D. HANES, JR.
FRANKLIN H. MCCALLUM\*

PRED W. SCHWENDIMANN
DAVID MORAN
JAMES W. MCADMS\*
JAMES J. GLODNEL
JOHN C. CHAMBERS\*
LARSON
STEPHANIE JANDRY
JERRY C. WORSHAM, II

ATTORNEYS AT LAW

RECEIVED

GREGORY J. NIBERT DAVID TO MARKETTE MARK C DOW 500 MARQUETTE N.W., SUITE 740

KAREN M. RICHARDSON 30 AUTHO 9E 100 E, NEW MEXICO B7102-2121

FRED W. SCHWIDIMANN (505) 768-1500

FAX (505) 768-1529

POST OFFICE BOX IO ROSWELL, NEW MEXICO 88202 (505) 622-6510 FAX (505) 623-9332

700 UNITED BANK PLAZA

2800 CLAYDESTA NATIONAL BANK BUILDING POST OFFICE BOX 3580 MIDLAND, TEXAS 79702 (915) 683-4691 FAX (915) 683-6518

> -700 TEXAS AMERICAN BANK BUILDING POST OFFICE BOX 9238 AMARILLO, TEXAS 79105 (806) 372-5569 FAX (806) 372-9761

218 MONTEZUMA POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554

JOE W. WOOD

CLARENCE E. HINKLE (1901-1985 W E. BONDURANT, JR. (1913-1973). ROY C. SNODGRASS, JR. (1914-1987).

\*NOT L-CENSED IN NEW MEXICO

Mr. Michael E. Stogner New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504

Case No. 9826, The Application of Sage Energy Company for Waterflood Expansion, etc., Lea County, New Mexico

Dear Mike:

My clients are getting anxious about the above matter. Please let me know if there is any additional information we can provide you or anything else we can do to push this matter along. Thank you.

Βv

Very truly yours,

James Bruce

HINKLE, COX, EATON, COFFIELD &

**TENSLEY** 

JB:le



### Sage Energy Company

## OIL CONSERVATION DIVISION RECEIVED

### '89 OCT 30 AM 10 12



October 26, 1989

New Mexico Oil Conservation Division P.O. Bcx 2088
Santa Fe, New Mexico 87504

Attn: Mike Stogner

RE: Pilot Waterflood
West Tres Papalotes
Penn Waterflood Unit
Lea County, New Mexico

### Gentlemen:

Sage Energy Company hereby requests a hearing on your November 29, 1989 docket for the expansion of the West Tres Papalotes Penn Pilot Waterflood Unit. Approval for the pilot waterflood was originally granted on September 4, 1987 under order No. R-9505.

Sage is requesting a hearing for approval of the Unit Agreement for the referenced waterflood. A plat showing the proposed area is attached.

As requested a completed form C-108 is being sent to you from our Midland office.

If anything further is needed, please let me know.

Sincerely,

of the

Lee Patrick Division Landman

LP:bg

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24	15	<b>*</b>	•	20	<b>*</b>		21
	<b>*</b>	14	34				
		V8 - OO26 - OI SAGE ENERGY COMPANY 3-1-91	ETCHEVERRY SAGE ENERGY COMPANY 30-92		- Just	مسلل المسلم	<b>*</b>
25	30 Jh		29-1 5 ETCHEVERRY SAGE ENERGY	29	·		28
	H <sup>o</sup> rah.		COMPANY 11-24-71 HBP	<b>*</b>			<b></b>
	<b>*</b>		SAGE 3- 1-91 V-2160-1 SAGE ENERGY COMPANY		<b></b>		•
36	31 \$	K - 2043-4 TOC GULFCOAST, INC 12-19-71	SAGE ENERGY COMPANY 1-1-92	32			33
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district office.

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1	Stand ou Life rate that was verified in 1971 in
APPLICA	TION FOR AUTHORIZATION TO INJECT
Ι.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? , es  nu
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.
ĮV.	Is this an expansion of an existing project? $\overline{\mathbf{x}}$ yes $\overline{\mathbf{x}}$ no If yes, give the Division order number authorizing the project $\underline{\mathbf{R}}$ 8505 $\underline{\mathbf{x}}$ .
٧.	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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>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.).</li> </ol>
*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 fault 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: Date: October 31, 1989
submi of th	ne information required order Sections VI, VIII, X, and XI above has been previously teted, it need not be duplicated and resubmitted. Please show the date and circumstance are earlier submittal attachment for Section VI, VIII, X and XI have been previously
subm; No	itted with an application dated June/19, 1987 for approval of New Mexico "30" State Waterflood project. Lea County, New Mexico Application L-9940 approved 9-4-87.

### III. HELL 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:
  - 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.

- 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.

Tub	Tubing size	2 7/8"	lined with _	ned with Internal Plastic Coating (meterial	ic Coating	8	set in a
	Baker Model	Baker Model "R" (brand and model)		packe	packer at 10,400±		feet
(or	. describe	(or describe any other casing-tub	ubing seal).				
014	Other Data						
1.	Name of	Name of the injection formati		on Bough "C" (Permo Penn)			
2.	Name of f	Name of Field or Pool (if applicable) Tres Papalotes Penn West	oplicable)	Tres Papalotes	Penn West		
<del>*</del>	Is this	Is this a new well drilled for injection? /7	for injectio	in? /_/ Yes	ON AXX		
	If no, fo	If no, for what purpose was	the well or	iginally dril	he well originally drilled? Oil and gas exploration	as exploration	
4.	Has the v	Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used) No	orated in an	y other zone(	s)? List all olug(s) used)	such perforated No	interval

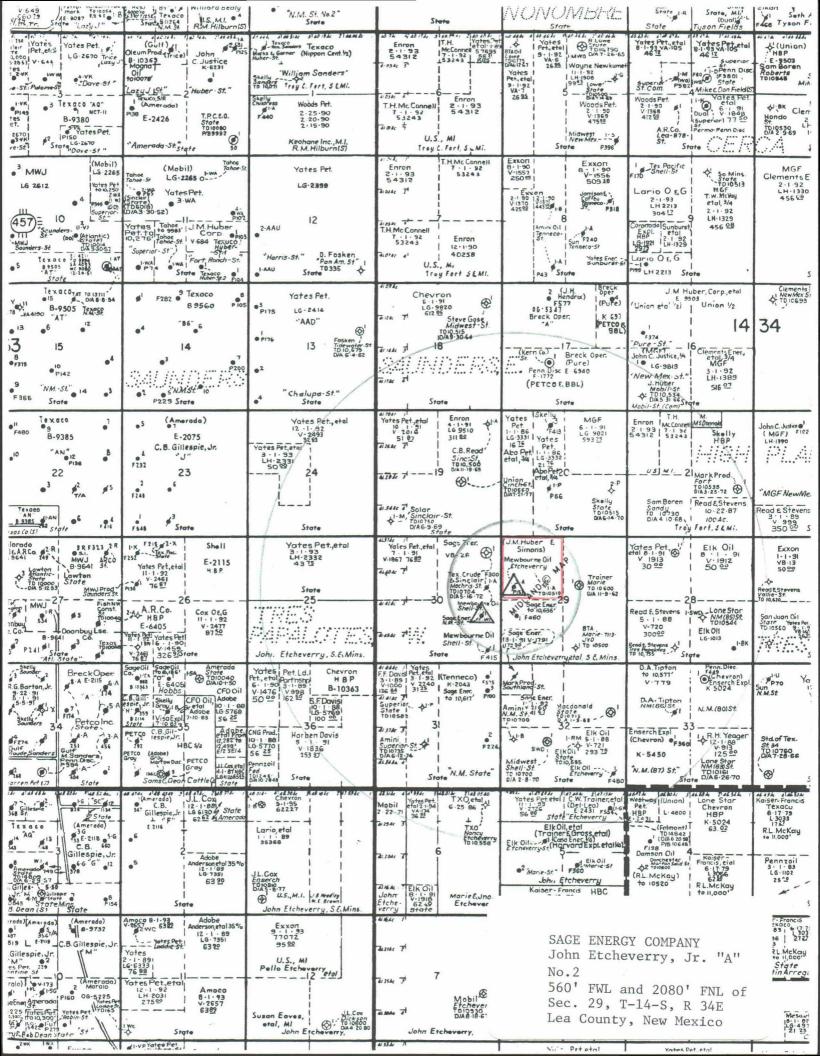
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\* Etcheverry "A" #2 was re-entered (6/89) to make a water injection well. It will be sidetracked with kick off point at 5498' and BHL 500' to North at 10,600 ft.

1

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

John Etcheverry, Jr. "A"	, 2080' FNL and 10N	Tabular Data	Surface Casing /4" at 431' w/ Size 12 3/4" " Cemented with 425 sx.	10C surface	Inter	3" at 4400' with Size 8'5/8" " Cemented with 375 sx. sx. TOC Feet determined by	Hole size	Long atring " Compress with 375	TOC 8288 Feet determined by Calcu	Hole size 77/8"	Total depth 10,500	10,402 - 70 Injection interval	10,500' with 10,402' feet to 10,470' feet (perforated or open-hole, indicate which)
PANY	it Letter "E", 2080' OTAGE LOCATION	Schematic	at 431'	700 "8/7 & 70ed oi+	538' to surface with 250 sx. circ 100 sx.	8 5/8" at 4400' with 375' sx.	5498"	cut 4½" csq at			M	≢ perf. 10,402 - 70	$\Lambda$ 4½" at 10 375
SAGE ENERGY COMPANY	WELL NO.	Schol	NEW	1			PBTD 5498	OID OID 30 sx at 5922'		0 sx at 7990'	TRP 10.355' = $4 \text{ sx}$	1	10,500 TD



# AREA OF REVIEW JOHN ETCHEVERRY NO. 2-A INJECTION WELL

OPERATOR	Sage En John Et No. 1	Mewbour Shell S	Mewbour Shell S	Texas Crude Marchris-Sta	Mewbour Etcheve	Mewbour Etcheve	Sage En New Mex	
Σ,	Energy Company Etcheverry	Mewbourne Oil Company Shell State No. 1 S	Mewbourne Oil Company Shell State No. lA Sec.	rude & Sinclair Oil s-State No. 1 Sec.	Mewbourne Oil Company Etcheverry No. 1A	Mewbourne Oil Company Etcheverry No. 2A Sec.	Sage Energy Company New Mexico "30" State	Trainer
IOCA	Sec. 29,	e	ny Sec. 30,	air Oil 1 Sec. 30,	œc.		Sec. 30,	
LOCATION	29, T-14, R-34-E	30, T-14 R-34-E	30, T-14, R-34-E	Texas Crude & Sinclair Oil Marchris-State No. 1 Sec. 30, T-14, T-34-E	29, T-14, R-34-E	29, T-14-S, R-34-E	Sec. 30, T-14, R-34-E	
TYPE CO	0	O	O	D	ָם		O.	
COMPLETION	Oil	Oil	Oil	D&A	D&A	Oil	Oil	
DATE	8-24-71	2-2-72	7-19-72	5–16–72	11-28-71			
PB/TD	10,535'	10,510'	10,530'	10,704'	10,515'	10,500	10,518'	
CASING	12 3/4" 8 5/8" 4½" at	12 3/4" 8 5/8" 4½" at	13 3/8" 8 5/8" 4½" at	13 3/8" 8 5/8"	13 3/8" 8 5/8"	12 3/4 8 5/8" 4½" at	13 3/8" 8 5/8" 5½" at	
PROGRAM I	at 390' at 4400' 10,535' v	at 395' at 4420' 10,510' v	at 410' v at 4372' 10,530' v	at 285' at 4491'	at 390' at 4418'	at 4400' at 7500'	at 43' w at 4482' 10,561 w	
CASING PROGRAM AND CEMENT	12 3/4" at 390' with 400 sxs 8 5/8" at 4400' with 375 sxs 4½" at 10,535' with 375 sxs	12 3/4" at 395' with 415 sxs 8 5/8" at 4420' with 375 sxs 4½" at 10,510' with 375 sxs	13 3/8" at 410' with 400 sxs 8 5/8" at 4372' with 375 sxs 4½" at 10,530' with 375 sxs	13 3/8" at 285' with 275 sxs 8 5/8" at 4491' with 350 sxs	13 3/8" at 390' with 400 sxs 8 5/8" at 4418' with 375 sxs	12 3/4" at 431' with 425 sx 8 5/8" at 4400' with 375 sx 4½" at 10,500' with 375 sxs	at 43' with 450 sxs at 4482' with 2000 sxs 10,561 with 380 sx.	
T	SXS SXS	SXS SXS	SXS SXS	SXS	sxs 5 sxs	SXS.	sxs 00 sxs	
ק	10,400 10,440 10,465	10,384	10,390			10,402	10,392	
PERFORATIONS	to 10,418 to 10,446 to 10,475	10,384 to 10,403	10,390 to 10, <b>4</b> 56			10,402 to 10,470	10,392 to 10,407	

# PLUGGED WELL DATA

CIBP at 10,340' w/4 sx in top. Perf. 10						20 sx at 5922'	50 sx at 4525' stub.	Re Re	8 5/8	30 sx at 1945'	75 sx at 690' - 805' Recove	12	75 sx at 340'- 445'	10 sx at surface	SCHEMATIC	County Lea County, New Mexico .	Footage Location 560' FSL and 560'	Operator Name Mewbourne Oil Company
10,384'to 10,403'								Rec. 4475' 4¾" csq.	5/8" at 4420' w/375 sx		Recovered 690' of 8 5/8" csg.	3/4" at 395' w/415 sx				Date P&A 12-21-84	FEL Section 30	Lease Name Shell
	10,384 feet to 10,403 fe	Producing Intervals; perforated or open hole	Total Depth 10.510'	Feet determined by calculations . Hole size 7	Cemented with 375 sx. TOC 8288	Size 4;" set at 10,510	Long String:	Feet determined by <u>calculations</u> . Hole size <u>                                     </u>	Cemented with 375 sx. TOC 2430'	Size <u>8 5/8"</u> set at 4420'	Intermediate Casing:	Feet determined by <u>Visual</u> . Hole Size 17½	Cemented with 415 sx. TOC Surface	Surface Casing: Size 12 3/4" set at 395'	TABULAR DATA		Township T-14-S Range R-34-E	1 State Well No. 1

4½" set at 10,510 w/375 sx TD 10,510'

	OF COPIES RECEIVED		Form C-103
	DISTRIBUTION		Supersedes Old C-102 and C-103
SANT	AFE	NEW MEXICO OIL CONSERVATION COMMISSION	Eliective 1-1-65
FILE			<b>?</b>
u.s.c	;.s.		5a. Indicate Type of Lease
	DOFFICE		State X Fee
	RATOR	<del></del>	5. State Oil & Gas Lease No.
OPE	HATOR	JJ	3. State Off & dds Ledse No.
		SUNDRY NOTICES AND REPORTS ON WELLS	
	(00 NOT USE THIS #1 10%	PAN FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  "APPLICATION FOR PERMIT -" (FORM C-1011 FOR SUCH PROPOSALS.)	
٠. 0	IL X GAS	OTHER-	7. Unit Agreement Name
⊒. Nan	Mewbourne	Oil Company	8. Form or Lease Name Shell-State
. Add	lress of Cperator	• •	9. Well No.
	P. O. Box	7698, Tyler, Texas 75711	1 10. Field and Pool, or Wildcat
		. 560 FEET FROM THE SOUTH LINE AND 560 FEET FROM	m
		LINE, SECTION 30 TOWNSHIP 14-S RANGE 34-E NMPM	
, ,	HE	LINE, SECTION TOWNSHIP T U RANGE UT NMPM	
TT:		15. Elevation (Show whether DF, RT, GR, etc.)	12. County
		4143' GL	Lea
it.		Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
	NOTI	CE OF INTENTION TO: SUBSEQUEN	T REPORT OF:
PERF	DRM REMEDIAL WORK	PLUG AND ABANGON REMEDIAL WORK	ALTERING CASING
TEMP	ORANILY ABAHDON	COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL	OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JQB	<del>_</del>
		OTHER	
07	HER		
17 Fu	arcrite Eropoged of C	ompleted Operations (Clearly state all pertinent details, and give pertinent dates, including	estimated date of starting any proposed
	ork) SEE RULE 1103.		estimated date of starting any proposed
1.	12-13-84	Set CIBP at 10,340' and capped with 4 sxs co	ement.
2.	12-14-84	Circulated hole with mud. Pulled out of hole cement plug. Pulled out to 5922' and set 20 Cut off csg at 4475'.	
3.	12-15-84	Set 50 sx cement at 4525'.	>
4.	12-19-84	Spotted 30 sx cement plug at 1945'. Went in 805'. Spotted 50 sx plug in top of 8-5/8" s	n hole with tubing to stub.
5.	12-20-84	Tagged 8-5/8" stub plug at $690$ . Spotted 75 445.	sx cement plug at
6.	12-21-84	Tagged cement plug at 340'. Cut off wellhes surface plug and erected dry hole marker.	ad and set 10 sx
i-,1)	nereby certify that the	information above is true and complete to the best of my knowledge and belief.	
	Mr. San	Thompson Gas Control Supervisor	January 14,1985
-16HE	the state of	THE GOO SOLUTION OUDGETVISOR	part Gallacty 17,1300
4 p m = c :	Re	Valle OIL & GAS INSPECTOR	4-1-85
	760 27	**************************************	<del></del>

Operator Name Mewborne (Footage Location 2080' FNL	Mewborne Oil Company Lease Name Shell 2080' FNL and 560' FEL Section 30	Township 14S Range 34E
SCHEMATIC		TABULAR DATA
10 sx at surface.		Surface Casing: Size 13 3/8" set at 410'
4		Cemented with 400 sx sx. TOC Surface
75 sx at 460'	13 3/8" at 410' w/400 sx	Feet determined by visual Hole Size
×	Rec. 996' of 8 5/8" csg.	Intermediate Casing:
sx at		Size 8 5/8" set at 4372'
sx at		Cemented with 375 sx. TOC 3000'
	8 5/8" at 4372' w/375 sx	Feet determined by <u>calculations</u> . Hole size
		Long String:
35 sx at 4,443'		Size 44" set at 10,530
		Cemented with 375 sx. TOC 8285'
60 sx at 5,846'	Rec. 5/00' of $4\frac{1}{2}$ " csg. $4\frac{1}{2}$ " at 10,530' w/375 sx.	Feet determined by <u>calculations</u> . Hole size
		Total Depth10,530
		Producing Intervals; perforated or open hole
	A -	10,390 feet to 10,456
CIBP at 10,390 w/35 sx on top	Perf. 10,390' to 10,456'	

DISTRIBUTION SANTAFE	C EXICO OIL CONSERVATION CO	MMIS? C Effect	and C-103
11.2			. *
s.c.s.		i	ne Type of Lease
AND OFFICE		State	[X] Fee
SCIARASC		S. State C	352
SUNDRY NOTICE THIS FORCE FOR PROPERTIES FOR PE	CES AND REPORTS ON WELLS CHILE DRIVE DEEPLY OF PLUG BACK TO A DIFFERE	NT RESERVOIR.	
OIL GAS OTHER		7. Unit A	greement Name
MEWBOURNE OIL COMPANY			ell "A" State
P. O. Box 7698, Tyler, TX	75711	9, well is 1	0.
. Location of well		10. Field	and Pool, or Wildon
UNIT LETTER H 2080	FEET FROM THE North LINE AND	FEET FROM Tr	es Papalotes-Wes
THE East LINE, SECTION 30	TOWNSHIP 14S RANGE	34E NAPM.	
	15. Elevation (Show whether DF, RT, GR, etc. 4143 GL	12. Com Le	
Check Appropr	ate Box To Indicate Nature of Not	ice, Report or Other Data	
NOTICE OF INTENTION	ON TO:	SUBSEQUENT REPOR	T OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORLD	·	ALTERING CASING
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AN	<del></del>	PLUG AND ABANDONMENT
OTHER	OTHER	<del></del>	
". Descrize Proposed or Completed Operations	Clearly state all pertinent details, and give pe	rtinent dates, including estimated	date of starting any propos
works SEE RULE 1103.			
On November 3, 1978 plugg	ged well as follows:		
Set Cast Iron Plus	g at top perforations - 10,39	10' with 35 car com	nt on ton
25 sx plug at 5846		, with 33 sax center	and on top.
		***	
35 sx plug at 5846			
35 sx plug at 4443		. <del></del>	
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 gas	shot off at 5700° and the 5	700' were pulled.	i j
8-5/8" casing was	shot off at 995' and 995' w	ere pulled.	
I hereby certify that the information above is	true and complete to the best of my knowledge	and belief.	
Marjanie In	Production	Clerk	11/30/78
211)	AD & LIQ	S INSPECTION	MAR J 1 1986
ONUITIONS OF APPROVAL, IF ANY:	1	- UATE	

Operator Name	Operator Name TexCrude/Sinclair O&GCo. Lease Name Mac	Machris-State Well No. 1
Footage Location	n 660' FN and 660' FE Section 30	Township 14-5 Range 34-E
County Lea	. Date P&A June, 1949	
SCHE	SCHEMATIC	TABULAR DATA
10 sx at surface.		Surface Casing: Size 13 3/8" set at 285'
		Cemented with 275 sx. TOC Surface
		Feet determined by visual . Hole Size 174
- ~ <b>*</b>	13 3/8" at 285' with	Intermediate Casing:
25 sx at 298'	. YS 6/7	Size 8 5/8" set at 4491'
25 sx at 1,100'		Cemented with 350 sx. TOC 3651'
1	: (	Feet determined by <u>Calculations</u> . Hole size 11"
Z5 SX at 3,35U'	Recovered 3356' 8 5/8" csg.	Long String:
		Size None set at
25 sx at 4,425'	0 5/0" 2+ / /01!i+h 250 5%	Cemented with sx. TOC
	0 3/0 at 4,431 With 330 5x.	Feet determined by . Hole size
25 sx at 5,900'		Total Depth 10,704
25 sx at 7,200'	B	Producing Intervals; perforated or open hole
•		NA feet to NA feet.
25 sx at 9,600'		
א מ ר		
25 sx at 10,705'	TD 10,704'	

4	WOLLER OF	DISTRIBUT	ION			(	*	1.54	1 1	·	. (	T)		:
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	U.B.G.S.	CE OIL		1=										(Rev 3-55)
H	PROMATION	TER GAS									ORTS O	FIRE	ain	
Įi	OPERATOR.		<u> </u>			S (Submi	t to approp	riate D	istric	Offiek.	as per Cui	missio	n Rule 110	)6) <sub>;</sub>
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-	Texa	s Cruá	e_011	Comp	any	-Sinclair	COIL & C	Gas C	O. Letter	ISocrion	Township	over,	Midland	
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D	F Elev.	<del></del>		T D			PBTI				Producing	Interva	1 0	Completion Date
Tu	bing Dia	meter			Tubi	ing Depth		C	Dil Stri	ng Diame	ter	0	il String De	pth
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Op	en Hole	Interval						F	Produci	ng Forms	tion(s)		<del></del>	
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V	Aftes Torkover												<del></del>	
					<del></del>				I here	by certif	y that the ir	formation	on given abo	ove is true and complete
		OII	L CONSI	ERVA	TION	COMMISSION	4		to the	best of	my knowled	ge.		
1	proved t		<del>//</del>	<del></del>	<del>-/</del>	<del>/</del>	<del></del>		Name		-1-	/	$\overline{}$	<u> </u>
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Ds	ite						- <del></del>		Compa	ny/	ovee Ce	-		

	PL.	Corrected 9/6/3" "A" Novel
Operator Name Mar Footage Location	nark Production to-memborne Uil Lease Name John Etchevery, Ur. n 1980 FNL and 1830 FWL Section 29 Township	148
County Lea	. Date P&A 1-20-72	
SCHEMATIC	<u>][</u>	TABULAR DATA
10 sx at surface.		Surface Casing: Size 13 3/8" set at 390
		Cemented with 400 sx. TOC Surface
		Feet determined by Visual Hole Size
25 cv at 3001		Intermediate Casing:
3 A C 2	13 3/8" at 390' with 400 sx	Size 8 5/8" set at 4418'
<b>&lt;</b>	Shot 8 5/8" casing off at	Cemented with 375 sx. TOC 3500'
	ilso, worked casing tree	Feet determined by Calculations . Hole size
		Long String:
		Size None set at
		Cemented with sx. TOC
		Feet determined by Hole size
25 sx at 4400'	8 5/8" set at 4418' with 375'	Total Depth 10,515
25 cx at 5902'		Producing Intervals; perforated or open hole
3 5 7		feet tofeet.
25 sx at 8005'		
25 sx at 9485'	Й	
35 sx at bottom	TD 10,515'	

New Mark Production   New Mexico Oil Conservation Commission   New Mexico Oil Conservation			((	
U.S. OBJECT THE PROPOSED OF Completed Complete	DISTRIBUTION ANTA FE	NEW MEXICO OIL CONS	SERVATION COMMISSION	Supersedes Old C-102 and C-103
The street of th	U.S.G.S.			State Fee KX
2. Nome of Corestor    Name of Corestor   Name of C	1.	SUNDRY NOTICES AND REPORTS ON M FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG I	WELLS BACK TO A DIFFERENT RESERVOIR. CH PROPOSALS.)	7. Unit Agraement Name
3. Address of Operator  1108 Stromes Building, Dallae, Texas 75201  1. Definition of Well  1108 Stromes Building, Dallae, Texas 75201  1. Definition of Well  1108 Stromes Building, Dallae, Texas 75201  1. Definition of Well  1108 Texas 75201  1109 Texas 7520	WELL X WELL	OTHER-	<del></del>	8 Fac 21 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
1.08 Simons Building, Dallas, Texas 75201  4. Locations of Well  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations of The Data  NOTICE OF INTENTION TO:  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations of The Data  NOTICE OF INTENTION TO:  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations of The Data  NOTICE OF INTENTION TO:  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations and The Data  NOTICE OF INTENTION TO:  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations and The Data  NOTICE OF INTENTION TO:  5. Elevation (Show wheeler Pp. RT. CR. etc.)  4. Locations and The Data  12. County  Location and The Data  13. Describe Proposed or Completed Operations (Clearly state all periment details, and give periment dates, including estimated dute of starting any proposed work) and and the County and		on Company		
10. Field and Pool, or Wilder    1980		······		
1980   TELLY FROM THE   North   LINE AND   1830   TELLY FROM   Indestinated		Building, Dallas, Texas 75201		10 Fleid and Pool, or Wildcat
15. Elevation (Show whether DF, RT, GR, etc.)  4141' GL  Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:  PLUG AND ABANDON  TELEGRAPHY ADARDON  PULL OR ALTER CASING  OTHER  17. Drilled to 10,515' - plugged and abandoning  10 its 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 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.			LINE AND FEET FROM	
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK  PULS AND ABANDON  APPROVED AS ABANDON  APPROVED AS ABANDON  SUBSEQUENT REPORT OF SUBSECUENT  APPROVED AS ABANDON   THE West LI	NE, SECTION 29 TOWNSHIP 14.	S RANGE 34-R NMPM.		
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  NOTICE OF INTENTION TO	mmmm	15. Elevation (Show whether	DF, RT, GR, etc.)	12, County
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  NOTICE OF INTENTION TO		4141	'GL	Lea
PULL OR ALTER CASING  PULL OR ALTER CASING  THE CASING TEST AND CEMERY 103.  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.  11-28-71 Drilled to 10,515' - plugged and shandoning  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 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.			_	er Data
PULL OR ALTER CASING  PULL OR ALTER CASING  THE CASING TEST AND CEMERY 103.  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.  11-28-71 Drilled to 10,515' - plugged and shandoning  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 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.	BEREORY BENEDIAL WORK	BLUG AND ADAMOON	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
OTHER  OTHER  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 1703.  11-28-71 Drilled to 10,515' - plugged and shandoning  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.	<del></del>			<b>元为</b>
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.  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 59485' - 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.	PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	-1
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.	отиея		OTHER	<i>H</i>
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.	17, Describe Proposed or Cor	apleted Operations (Clearly state all pertinent de	tails, and give pertinent dates, including	estimated date of starting any proposed
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.  18.1 hereby certify that the information above is true and complete to the best of my knowledge and belief.  SIGNED ASSISTANT SECRETARY  DATE 12-2-71	ŕ	10 jts of 12-3/4" casing set	t at 390' left in hole.	
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 ASSISTENT Secretary  DATE 12-2-71  APPROVED BY  TITLE ASSISTENT SECRETARY  DATE 12-1-71		Set 25 sack plug at 9485' - V Set 25 sack plug at 8005' - V Set 25 sack plug at 5902' - V	Abo Glorieta	
APPROVED BY APPROVED BY TITLE ASSISTENT SOCRETARY DATE 12-2-71  APPROVED BY APPROVED BY TITLE TITLE DEC 1 3 1971		location. Will place 25 sac	k plug on top of stub, 2!	
APPROVED BY ALL TITLE ASSISTENT SECRETARY DATE 12-2-71  APPROVED BY ALL TITLE TITLE DEC 1 3 1971	18. I hereby certify that the	nformation shove is true and complete to the besi	of my knowledge and belief.	
	SIENBO LEGIOLI			
	APPROVED BY CONDITIONS OF APPROVA	TIVLE -	· · · · · · · · · · · · · · · · · · ·	*** DEC 13 1971

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NO. OF COPIES RECEIVE	ED				Maria R	Form C-103
DISTRIBUTION		ł				Supersedes Old C-102 and C=103
SANTA FE		NE	EW MEXICO OIL CO	NSERVATION CON	MISSION	Effective 1-1-65
FILE						
U.S.G.S.						Sa, Indicate Type of Lease
LAND OFFICE						State Fee X
OPERATOR		Ì				5. Sigte Oil & Gas Lease No.
IDO NOT USE TH	SUNDR	Y NOTICES	AND REPORTS ( L OR TO DEEPEN OR PLL L" (FORM C-101) FOR	ON WELLS		
	USE "APPLICAT	ION FOR PERMIT	-" (FORM C-101) FOR	SUCH PROPOSALS.)	TO RESERVOJA.	
2. Name of Operator	WELL	OTHER.	Ory			7, Unit Agreement Nume
Mark Produ	uction Com	pany				8. Form or Lease Name John Etcheverry, Jr."A
3. Address of Operator			75001			9, Well No.
1108 Simon	ns Buildir	ig, Dallai	s, Texas 75201			1
4. Location of Well				·		10. Field and Pool, or Wildcat
UNIT LETTER	<u> </u>	1980	T FROM THE NOT	th LINE AND	1830 FEET FRO	Undesignated
THE West	LINE, SECTI	on <u>29</u>	томизнір14-	-S RANGE	34-E NMPN	
VIIIIIIII		15.	Elevation (Show whet		)	12. County
	7777777	111111	4	141' GL		Lea
16.	Check .		Box To Indicate	e Nature of Noti		ther Data
''	0,1020, 1				200254051	T REPORT OF:
PERFORM REMEDIAL WO	· · ·		PLUG AND ABANDON	REMEDIAL WORK		ALTERING CASING
TEMPORARILY ABANDON				COMMENCE DRIL		PLUG AND ABANDONMENT
PULL OR ALTER CASING	<del> -</del>		CHANGE PLANS	CASING TEST AND	<del>                                      </del>	PLUG AND ABANDONMENT [A]
PULL ON ALTER CASING	لسا		CHANGE PEARS [	<u>!</u>		
47			ſ	OTHER		
OTHER						<u>,</u>
i7. Describe Proposed work) SEE RULE		perations (Clea	urly state all pertinent	details, and give per	tinent dates, includir	ng estimated date of starting any proposed
1-1-72	Shot 8-5	/8" casin	g off at appr	oximately 119	00' - worked	casing free -
						a
	Set plug		25 sacks		8-5/8"	
	Set Plug	No. 2	25 sacks	@ 390'		shoe
	Set Plug	No. 3	10 sacks	@ Surfa	ace	
	_					
18. I hereby certify tha	t the information	n above is true	and complete to the h	est of my knowledge	and belief.	
to. I hereby derily tha		7	/	o. my knowledge	ond perior	
$\mathcal{G}_{\mathcal{G}}$		,				1 00 70
31GHE XUYSO	W. Jus	mpoo	TITLE_	Assistant	Secretary	DATE 1-20-72
<del></del>		# n				
Mat	trans &	7 [10 e	40	OIL & GAS	S INSPECTO	OR MAR 6 19/2
APPROVED BY			TITLE -			
CONDITIONS OF APP	ROVAL, IF AN	1: <i>[</i>	`			

	R-34-E	RANGE		200 sx.	visual	250 °°×.		×				fort
	T-14-S	TOWNSHIP	ar Dala	Cemented with	feet determined by	d with ed by _	-	Cemented with	t determined by			Indicate which)
Maria	29	SECTION	Tabular	face Casing 10 3/4" @ 307' "	10C Surface fee 2875' 2855'Hole size 10 3/4"	Intormediate Casing Size 7 5/8" at 4337' " TOC 2453' Fee	Hole size 9 7/8"	Long string Size "	TOC Feet Ilole size 6 3/4"	Total depth 10,600'	Injection interval	feet to (perforated or open-hale,
		FOOTAGE LOCATION	Schematic	11111111 to 320' at 300' to 320'	20 sx at 2755' to 28' shot off 7 5/8" at 28						A30 '00,600 TT	
C. W. Trainer		MELL NO.	35	10 3/4" at 307' with 200 sx. cmt4	<u>   </u>	20 sx at 4275' 7 5/8" at 4337' w/250 sx cmt.	20 sx at 5900'	20 sx at 7300'	20 sx at 9800'	. 47 47	10,400 to 10,600	1

HUMBET CF COFIE	S ECEIVED		1 ()					(	<u> </u>		A THE PROPERTY OF THE PROPERTY
FILE			N - 1	EW MEXIC	0 0	L CO	NSERV	'ATION C	OMMI:	SSION	FORM C-103
U.0.4.5				(Rev 3-55)							
f# 448PORTER	011		$\perp$ . $\ell$	MISCELLANEOUS REPORTS ON WELLS							
		<del></del>	(Subm	it to appropr	iate D	istrict	Office	s per Com	mission	Rule 1106	,
Name of Comp	•	W. T	RAINER	· · · · · · · · · · · · · · · · · · ·		P. O. BOX 2222 HOBBS, NEW MEXICO					
Lease		RIA	VIAI	Well No.	Unit L			Township 14-SC		Rang	
Date Work Peri	ormed	F	ool		<u> </u>	<u>.                                    </u>		County	20111		A LAST
12/14/62	TO 1./21	<u>/63 [</u>	WILL	CAT A REPORT	OE. ((	Thorak .	*********	1.F	:A		
Beginning	Drilling Ope	tations		sing Test and			<i>tpproprial</i>	Other (E.	xplain):		
□ Plugging			<del></del>	medial Work	•	-	_				1
	nt of work do	ne, nati	ure and quantity	of materials v	ısed, a	nd res	ults obtai	ned,	· · · · · · · · · · · · · · · · · · ·		
Witnessed by	1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	40 S 20 S 20 S 20 S SHOT 20 S 20 S 20 S SET	GGED AND AE X. CEMENT F EGULATION TION HAS BE	PLUG 10,40 PLUG 9,80 PLUG 7,30 PLUG 5,90 PLUG 4,27 PLUG 2,77 PLUG 1,80 PLUG 30 MARKER WI EEN CLEANE	00 - 00 - 00 - 75 - AT 28 75 - 00 - ITH 1 ED AN	10,60 9,90 7,40 6,00 4,3 55 2,8 1,90 3 0 SX D IS	00 00 00 75 (BAS 75 ( 7 00 20 (BO CEMEI READY	5/8" STU TTOM OF NT. FOR INS	UB) 10 3/4 PECTIO	4" CASING	
Tubing Diamet	et	<u> </u>	Tubing Depth	<u> </u>	lo	Dil Stri	ng Diame	ler	Ю	il String Dep	th
		1	<del></del>			· 			$\perp$		-
Perforated Into	:1481(\$)										
Opea Hole Interval					Producing Formation(s)						
				RESULT							
Test	Date of Test		Oil Productio BPD		toduct CFPD					Gas Well Potential MCFPD	
Before Workover											
After Workover						-					
	OIL CON	ERVAT	TION COMMISSIO	)N				y that the in my knowleds		on given abo	ve is true and complete
Approved by	John	w	Kum	1/221		Name		OX	1	Eli:	40
Title	V . V . !	in !	N. J	- <u> </u>		Positi	on		GÍLBR NEER	ETH, JR.	SI JI
Date			aris Iss	· · · · · · · · · · · · · · · · · · ·		Сотр	iny	C. W.		ER_	•

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1			
<u> </u>	 		

of the Commission, Submit in QUINTUPLICATE.

If State Land submit 6 Copies

9

AREA 640 ACRES

	##*************	C. W.	TRAINE		*************************		Maria		
		-	, a opasa,		.¼. of Sec	29 <b></b>	<b>\</b>		
					•	1980			
Section	29	***********	If State	Land the Oil a	nd Gas Lease No.	. is	######################################	######################################	per 1 p. p. acer 10 h. p. acer 10 h. p. p.
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me of Dr	illing Contrac	tor	Fors	ter Drill	ing Company	Inc	921°>000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	**********	
dress		********	P. 0	Box 32	Odessa	Texas	**************	********************	••••••
	ove sea level : Confider	-	-		70 GL	The ini	ormation given i	s to be kept co	nfidential u
			·	O	il bands or 2	ONES			
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clude date	on rate of w	ater infl	low and elev		water rose in ho				
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81ZE 10 3/4	weig per po	HT DOT	NEW OR USED	<b>AMOUNT</b> 294	KIND OF	CUT AND PULLED FROM		NS P	urrosz Eace
81772	weig per p	HT DOT	NEW OR USED	<b>AMOUNT</b> 294	CASING BECC	ORD CUT AND		NS P	urrosz Eace
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size 10 3/4	weig per po	HT DOT	NEW OR USED  Used  ew & Use	294 ed 4325	EIND OF SHOE	CUT AND PULLED FROM  2855  TING RECORD		NS P	orrosz face ermediate
10 3/4 7 5/8 Size of Hole	WEIGFER PO	# Ne	NEW OR USED  Used  ew & Use	AMOUNT 294 ed 4325 MUDDING NO. SACES	EIND OF BEOR	CUT AND PULLED FROM  2855  TING RECORD	PERFORATIO	Suri Inte	orrosz face ermediate
size of Roll 3 3/4 9 7/8	#EIG PER PO 45# 26.4    SIZE OF CASING   10 3/4 7 5/8	# Ne	NEW OR USED USED USED USED USED USED USED USED	AMOUNT 294 ed 4325 MUDDING NO. BACKS OF CREMENT	KIND OF BEOCH	CUT AND PULLED FROM  2855  TING RECORD	PERFORATIO	Suri Inte	or or
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\$1ZE 10 3/4 7 5/8 \$1ZE OF HOLE 13 3/4 9 7/8	#EIG PER PO 45# 26.4    SIZE OF CASING   10 3/4 7 5/8	WRZ BE 30 43:	NEW OR USED  Used  ew & Use  ZEE  07	MUDDING NO. SACES OF CEMENT  200 250	EIND OF BHOE  HOWCO  HOWCO  METROD USED  Dowell  Dowell  PRODUCTION	CUT AND PULLED FROM  2855  TING RECORD  AND STIMULA	PERFORATIO  MUD SHAVITY	Suri Into	or or

### 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 injeciton zone and any underground source fo drinking water.

### **GEOLOGY**

The Tres Papalotes field located in T-14, R-34, Lea County, New Mexico, produces from several numbers 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 exergy environment, creating in the process the porous high permeability productive limestone.

### WATER ANALYSIS - HALLIBURION SERVICES

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

Res. at  $70^{\circ} = 5.41$  ohms

G. S. = 1.000

PL = 7.8

Ca ++ = 100 ppm

Ma ++ = 100 ppm

CI - = 75 ppm

 $SO_4$  -- = 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 3000 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. Eox 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

### STATE OF NEW MEXICO



# ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

### GARREY CARRUTHERS

February 12, 1990

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87504 (505) 827-5800

Mr. James Bruce
Hinkle, Cox, Eaton,
Coffield & Hensley
Attorneys at Law
500 Marquette, N.W.
Suite 740
Albuquerque, New Mexico

Re: CASE NO. 9326 ORDER NO. R-3505-A

Applicant:

Sage Energy Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

FLORENE DAVIDSON

OC Staff Specialist

lorene Clavidson

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other\_\_\_\_