



333 Clay
P.O. Box 4648
Houston, Texas 77210-4648

OIL CONSERVATION DIVISION
RECEIVED

1995 JAN 20 AM 8 52

(713) 646-4100

January 9, 1995

Mr. David Catanach
Petroleum Engineer
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Rohmer No. 1 Disposal Well (API #30-015-25722)
Injection Pressure Increase

Dear Mr. Catanach:

As per our previous conversation regarding the Scurlock Permian Rohmer No. 1 Disposal Well, I am enclosing data pertaining to the step rate test performed on December 13, 1994 by Halliburton.

The Rohmer No. 1, located in Sec. 23, 22S, 27E, Eddy County, New Mexico is currently injecting into the Delaware formation through perforations at 3,880' - 3,930' and 3,960' - 4,030' at a minimum administratively approved injection pressure of 775 psi. Well data and a schematic are also enclosed for your review.

The pressure graph indicates that fracture of the injection interval was achieved at 1,161 psi while pumping 3.0 barrels per minute. Shut in pressures are as follows:

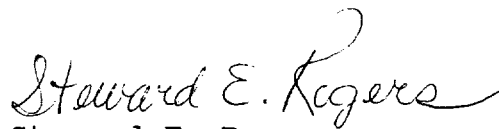
Instant Shut In	970 psi
5 minutes	947
10 minutes	944
15 minutes	941

With the fracture pressure noted during this step rate test, we have established that the injection fluids will remain confined to the permitted injection interval at pressures below 1,161 psi.

Due to the higher fracture pressure and the exceptional mechanical integrity of the Rohmer No. 1, we would respectfully request that pursuant to division rules, our permitted injection pressure be increased to 1,100 psi, 61 psi below fracture pressure.

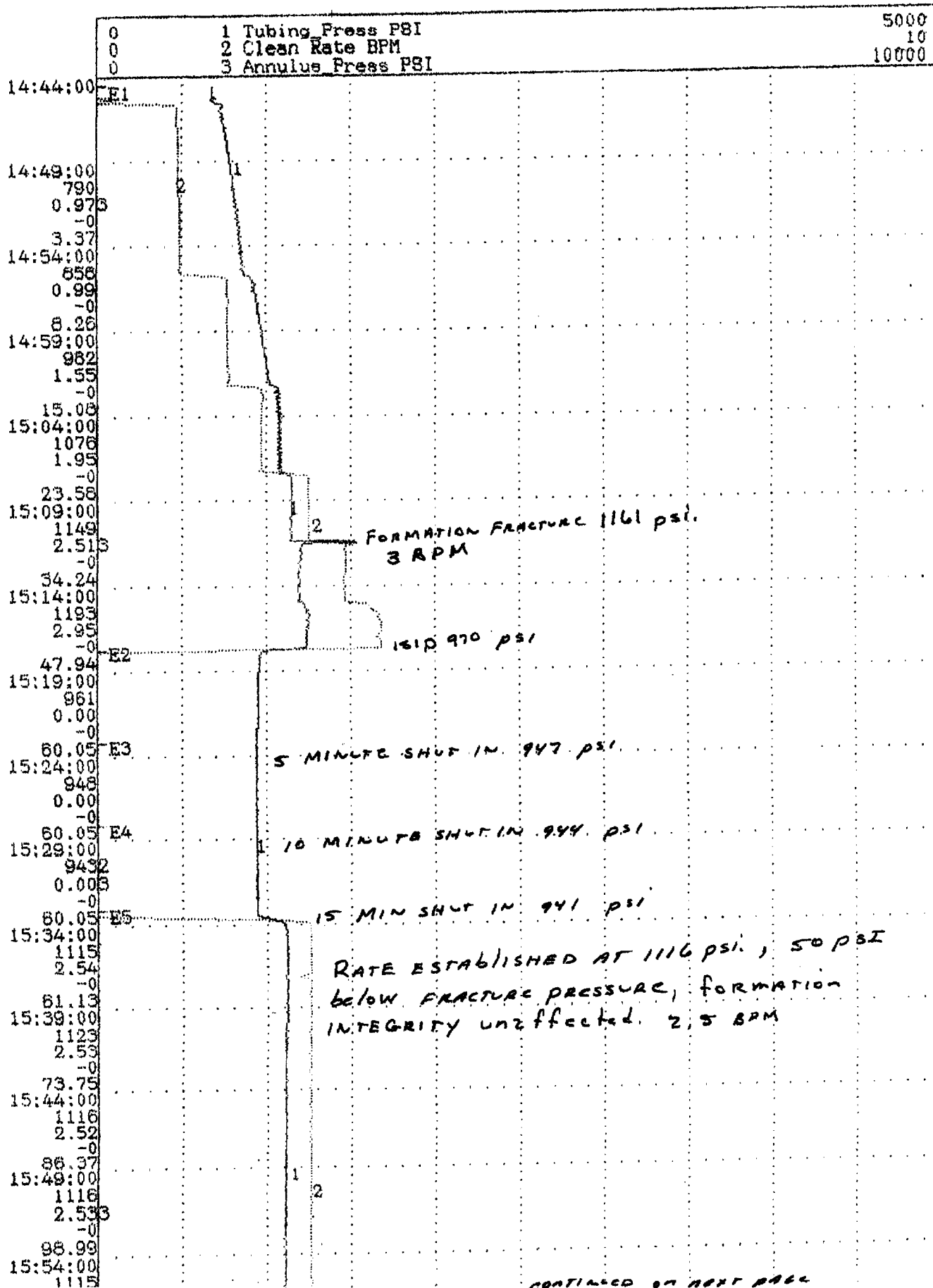
Your assistance in this matter is appreciated. Please contact me if you have any questions regarding this request.

Sincerely,


Steward E. Rogers
Operations Coordinator

SER/jtw
encl.

cc: Oil Conservation Division
Attn: Betty Rollins
811 South 1st Street
Artesia, New Mexico 88210



111.67
15:59:00
1113
2.54
-0
124.36
16:04:00
1111
2.54
-0
137.07
16:09:00
11132E6

CONTINUATION SHEET

TEST COMPLETE.

Date: 12/13/94
Ticket #: 678142_3.1

```

15:17:41 Event #2      ISIP
CAPTURE DATA          Tubing_Press      =      1161 PSI
15:23:06 Event #3      5 Min Shutin Pres.
CAPTURE DATA          Tubing_Press      =      949 PSI
15:28:01 Event #4      10 Min Shutin Pres.
CAPTURE DATA          Tubing_Press      =      944 PSI
15:33:01 Event #5      15 Min Shutin Pres.
CAPTURE DATA          Tubing_Press      =      941 PSI

```

Tubing Press	==	938 PSI	Clean Rate	=	STAGE SUMMARY
Annoils Press	==	-0 PSI			0.00 BPM
Stg Clean Total	==	151.78 BBL			
Clean Total	==	151.80 BBL			

16:10:19 End Job

Job Comments:



SCURLOCK
PERMIAN
CORPORATION
SUBSIDIARY OF ASHLAND OIL, INC.

STEWARD E. ROGERS
OPERATIONS COORDINATOR

P.O. BOX 310028
NEW BRUNSWICK, NJ 08901-0028

OFFICE: (210) 620-1087
HOME: (210) 629-5607
FAX: (210) 620-1592
MOBILE: (210) 260-7519
FAXTEL: 1-800-374-0477 (0709)

TIME FAXED: 145 CST

DATE: 23 JAN 95

TO: DAVID C. [unclear]

FROM: STEWARD E. ROGERS

FAX#: 505-827-8174

NO. OF PAGES SENT (INCLUDING COVER SHEET): 2

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THANK YOU.

COMMENTS: I TRACED OVER THE OPERATORS WRITING TO
IMPROVE THE LEGIBILITY

Please contact STEWARD E. ROGERS at (210) 620-1087 if any problems occur in receiving this fax. Our automatic telecopier # is (210)620-1592.

PLEASE DELIVER THIS FAX IMMEDIATELY UPON RECEIPT.

"SAFE PEOPLE CARE"

HALLIBURTON

JOB LOG FORM 2013 R-4

DATE

PAGE NO.

12-13-94

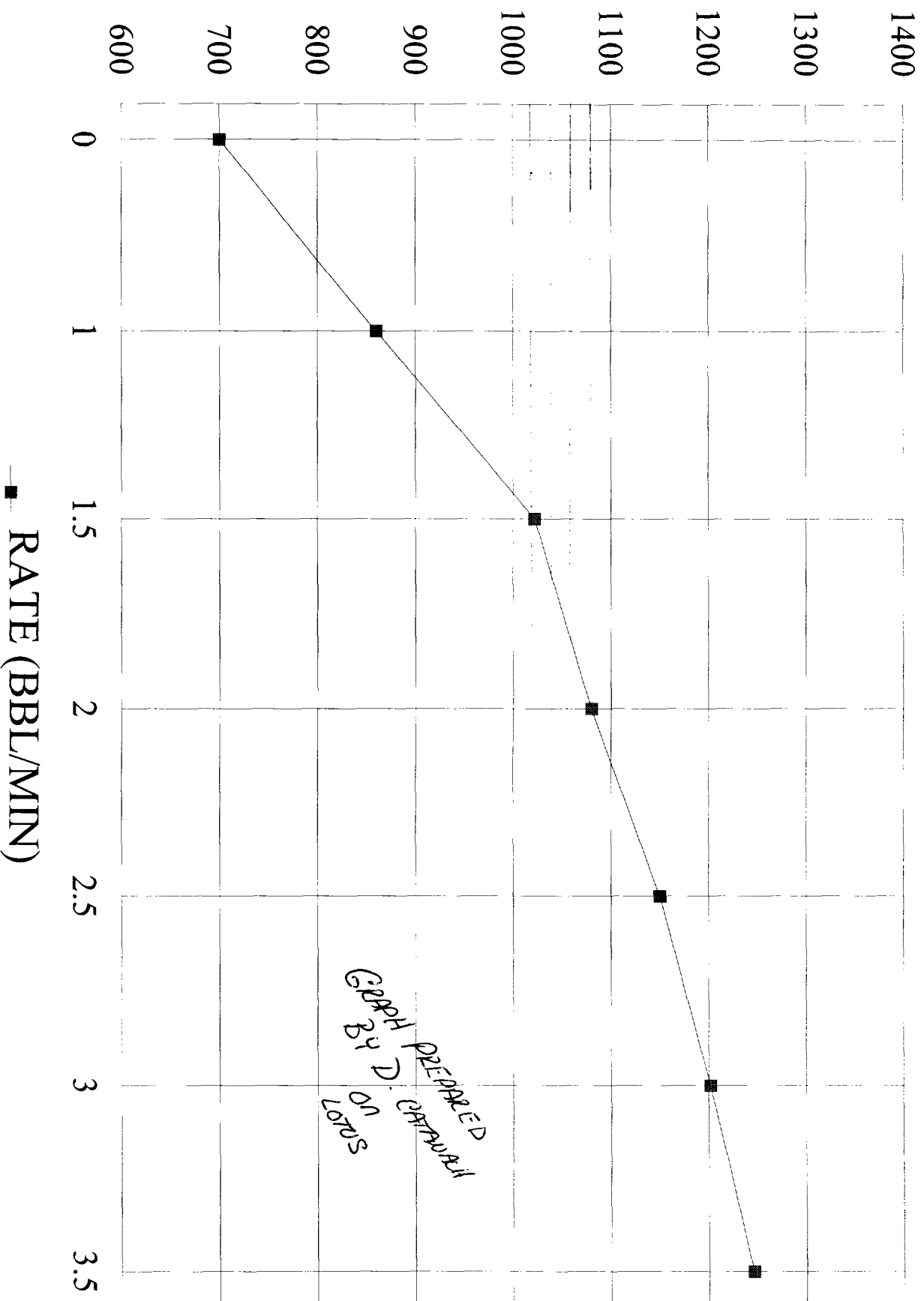
2

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Scurlock		1		Rothmer		Stop Rate		678142	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	14:27					698		Set up Open well	
						700			
	14:45	1	4.5	1		735		Pump H ₂ O	
	14:50	1	4.5	1		805			
	14:55	1	9.2	1		860			
	14:56	1.5	10	1		925		Pick up Rate	
	14:58	1.5	15	1		975			
	15:01	1.5	20	1		1022			
	15:02	2		1		1059		Pick up Rate	
	15:04	2	25	1		1080			
	15:07	2	30	1		1080			
	15:07	2.5		1		1133		Pick up Rate	
	15:09	2.5	35	1		1152			
	15:22	2.5	40	1		1150			
	15:11	3		1		1210		Pick up Rate	
	15:13	3	45	1		1205			
	15:15	3	50	1		1202			
	15:15	3.5		1		1262		Pick up Rate	
	15:16	3.5	55	1		1261			
	15:18	3.5	60	1		1246			
	15:18							1st 970 [#]	
	15:23							5min 777	
	15:28							10min 944	
	15:33							15min 941	
	15:34	2.6		1		1117		Clean up well	
	15:44	2.6	87	1		1118			
	15:54	2.6	113	1		1115			
	16:04	2.6	138	1		1112			
	16:09		152	1		940		Shut Down	

CUSTOMER

STEP RATE TEST: ROHMER # 1

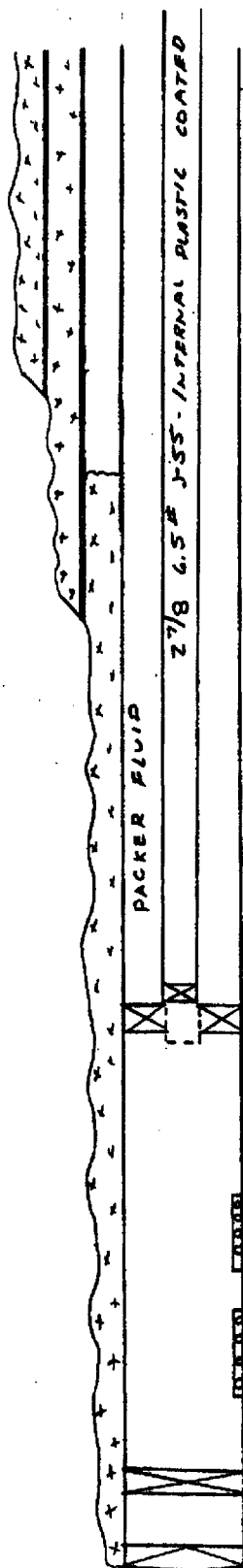
SCURLOCK PERMIAN INC.



ABHLAN PIPE LINE COMPANY ENGINEERING DEPARTMENT		SHEET
		AFE
SUBJECT	SCURLOCK PERMIAN CORR. ROHMER #1 SWP	
UNIT LETTER P 1780 PNL, 1780 PNL SEC 23 E25		DISTRICT
BY	CHECKED BY	APPROVED BY
S. ROGERS		
		DATE
		1 July 1993

0427-8 (02/91)

ROHMER #1 - CURRENT STATUS
24 JUN 1993.



13 3/8" 48#/ft - 277 ft. KB

TOC 5 1/2 x 9 5/8 ANNULUS - 728 ft. KB

9 5/8" 40# - 2154 ft. KB

5 1/2" 17# J-55 LTC - 4204.91 KB - CEMENT W/ 600
SX HALLIBURTON LT, TAIL W/ 185 SX PREMIUM PLUS.
785 SX. TOP OF CEMENT BY LOG 728' KB

2 7/8 6.5# J-55 INTERNAL PLASTIC COATED - 3794.37 ft
120 JTS.

2 7/8" SN 1.10 ft.

2 7/8 x 5 1/2" NICKEL PLATED LOCKSET PACKER
4.71' LONG - TOP SET AT 3812.47 KB - PACKER
SET IN TENSION. 12 K

3880 KB

60 ft - 25 HOLES .52" DIA

3930 KB

TREATED W/ 4500 GAL. 7 1/2% SPEARHEAD

3960 KB

70 ft 35 HOLES .52" DIA

4030 KB

CEMENT BAFFLE - 4163.04 KB

GUIDE SHOE - 4204.91 KB

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

JUL 7 1993

WELL API NO.
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Rohmer
8. Well No. 1
9. Pool name or Wildcat Delaware

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>Disposal</u>
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DRY RESVR ☐ OTHER <u>Re-Entry</u>

2. Name of Operator Scurlock Permian Corp.
3. Address of Operator 333 Clay P.O. Box 4648, Houston, Tx. 77210-4648

4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>23</u> Township <u>22S</u> Range <u>27E</u> NMPM <u>Eddy</u> County

10. Date Spudded 02-26-87	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 06-24-93	13. Elevations (DF& RKB, RT, GR, etc.) GL-3093.4 RKB-3110.4	14. Elev. Casinghead 3093.4
15. Total Depth 12,300	16. Plug Back T.D. 4163	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <u>yes</u> Cable Tools	19. Producing Interval(s), of this completion - Top, Bottom, Name N/A
21. Type Electric and Other Logs Run Composite				20. Was Directional Survey Made No
22. Was Well Cored No				

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	277	17 1/2	300 sx cl c	
9 5/8	40	2154	12 1/4	1550-65/35 poz + 200 cl c	
5 1/2	17#/ft	4205	8 1/2	600 sx I.t. + 185 sx Premium	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 7/8	3812 KB	3806 KB

26. Perforation record (interval, size, and number) 3880-3930-25 holes .52" Dia. 3960-4030-35 holes .52" Dia.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 3880-3930 3960-4030 AMOUNT AND KIND MATERIAL USED 4500 Gal. 7 1/2" Spearhead
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PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) Part ID-3	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By 7-16-93 chump SLD	
30. List Attachments							

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Steward E. Rogers Printed Name Steward E. Rogers Title Asst. Reg. Mgr. Date 06-28-93

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505



OIL CONSERVATION DIVISION



January 24, 1995

Scurlock Permian Corporation
P. O. Box 4648
Houston, Texas 77210-4648

Attention: Steward E. Rogers

**RE: Injection Pressure Increase
Rohmer SWD Well No. 1
Eddy County, New Mexico**

Dear Mr. Rogers:

Reference is made to your request dated January 9, 1995, to increase the surface injection pressure on the Rohmer Well No. 1. This request is based on a step rate test conducted on the well on December 13, 1994. 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
Rohmer No. 1 1980' FNL & 1980' FWL Unit E, Section 23, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico	970 PSIG

VILLAGRA BUILDING - 408 Galisteo

Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830

Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco

Office of the Secretary
827-5950

Administrative Services
827-5925

Energy Conservation & Management
827-5900

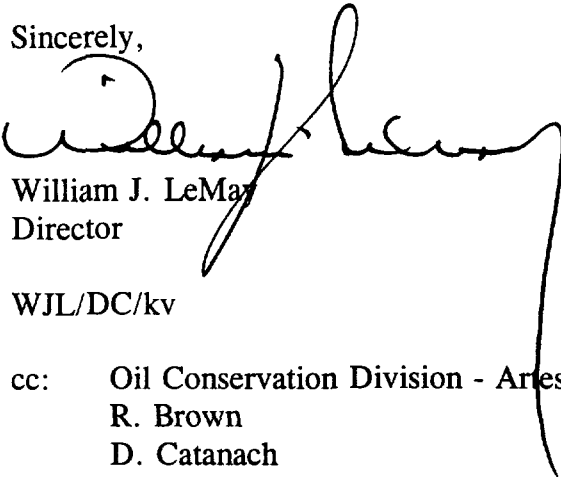
Mining and Minerals
827-5970

Oil Conservation
827-7121

Injection Pressure Increase
Scurlock Permian Corporation
January 24, 1995
Page 2

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,

A handwritten signature in black ink, appearing to read 'William J. LeMay', is written over the typed name and title. The signature is fluid and cursive, with a long, sweeping underline that extends down towards the distribution list.

William J. LeMay
Director

WJL/DC/kv

cc: Oil Conservation Division - Artesia
R. Brown
D. Catanach
File: SWD-505