

ON REVERSE

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered
☐ Show to whom, date, and address of delivery
☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Sun Texas Pacific
 P. O. Box 1861
 Midland, Texas 79702

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COF
☐ EXPRESS MAIL

ARTICLE NUMBER: 5382659

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE *Victor R. [Signature]* ☐ Address ☐ Authorized agent

5. DATE OF DELIVERY: *JAN 21 1983*

6. ADDRESSEE'S ADDRESS (Only if requested):

7. UNABLE TO DELIVER BECAUSE:

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

ON REVERSE

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
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 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Texaco, Inc.
 P. O. Box 3109
 Midland, Texas 79702

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COF
☐ EXPRESS MAIL

ARTICLE NUMBER: 5382657

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE *James [Signature]* ☐ Address ☐ Authorized agent

5. DATE OF DELIVERY: *JAN 21 1983*

6. ADDRESSEE'S ADDRESS (Only if requested):

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS: *[Initials]*

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

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TOTAL \$

3. ARTICLE ADDRESSED TO:
 Arco Oil & Gas Company
 P. O. Box 1610
 Midland, Texas 79702

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COF
☐ EXPRESS MAIL

ARTICLE NUMBER: 5382661

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE *RJM [Signature]* ☐ Address ☐ Authorized agent

5. DATE OF DELIVERY: *JAN 21 1983*

6. ADDRESSEE'S ADDRESS (Only if requested):

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS: *[Initials]*

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
 Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

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☒ Show to whom and date delivered
☐ Show to whom, date, and address of delivery
☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Charles B. Gillespie, Jr.
 P. O. Box 8
 Midland, Texas 79702

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☐ CERTIFIED ☐ COF
☐ EXPRESS MAIL

ARTICLE NUMBER: 5382662

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE *[Signature]* ☐ Address ☐ Authorized agent

5. DATE OF DELIVERY: *JAN 21 1983*

6. ADDRESSEE'S ADDRESS (Only if requested):

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS: *[Initials]*

POSTMARK: *MIDLAND, TEXAS JAN 21 1983 USPO*

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
 Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☐ Show to whom and date delivered
☐ Show to whom, date, and address of delivery
☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Commissioner of Public Lands
 P. O. Box 1148
 Santa Fe, New Mexico 87501

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COF
☐ EXPRESS MAIL

ARTICLE NUMBER: P05 5382658

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE *Horacio Mascareñas* ☐ Address ☐ Authorized agent

5. DATE OF DELIVERY: *JAN 21 1983*

6. ADDRESSEE'S ADDRESS (Only if requested):

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS: *[Initials]*

POSTMARK: *SANTA FE, N.M. JAN 21 1983*

counter tops. We hang sheetrock, paneling and do all kinds of remodeling and finish work. For information and free estimate call 396-2971.

PHOTOGRAPHY

Specializing in unique personalized wedding photos. All occasions. Distinctive style. Pat Hogue. 396-2077.

SEWING MACHINE REPAIR

Clean-oil-Adjust-\$19.50. Lovington Vacuum Center. 1016 South Main 396-3057

Auto Insurance Your Problem?

Turned down tickets? DWI? Young-old-cancelled-long haul trucks. Monthly payment. Ed Bonds Agency 1020 South Main Phone 396-5166

RENT-A-MAID

Need your house cleaned? Call me. 396-2233

COMPLETE REPAIRS-

Remodeling, repairs or additions. For free estimates call 396-2341

Trailer repair, lighting, and brake systems. Call 396-7292.

Horsehoefing, breaking and training horses. Phillip Berry. 396-6955

M and J SALVAGE
We Pay Top Prices
For Junk Cars
County Road 97

Painting YARBRO CONSTRUCTION

396-2021 or 396-4786

LEE AUTOMOTIVE



- TUNE-UPS
- BRAKE WORK
- AIR CONDITIONER
- ENGINE OVERHAUL
- TRANSMISSION OVERHAUL
- MINOR & MAJOR REPAIRS ON CARS & TRUCKS
- DIESEL CARS & TRUCKS
- PRE-PURCHASE INSPECTIONS

396-3888, 1111 N. MAIN

SEWING CENTER SALES & REPAIRS

1214 South Love
396-3816

HELP

WANTED

Mature person needed to babysit preferably in my home 5 days a week. Call after 5:30 p.m. only. 396-3711.

DENTAL CHAIR SIDE ASSISTANT. Taking applications at 701 North Main between the hours of 8:30 AM and 11:30 AM

White tractor and trailer. Lost in the East Mesa area of Hobbs. Reward offered. 393-7888.

LOST-on road between Lovington and Caprock, one brown soft side suitcase and one yellow softside suitcase. Reward for return. Call 396-3740 or 396-5041.

NOTICE

MWJ Producing Co., 1804 First National Bank Bldg., Midland, Texas, 798701, has made application for authorization to inject salt water into a non-producing zone in Sec. 26, T-14 S, R-38E, Lea County, New Mexico, located 330 Ft. FNL and 1650 Ft. FWL in the San Andres formation at a depth of 4,130 ft. to 5,160 ft. and with an expected injection rate of 20 BPH at 300 p.s.i.a. pressure. 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. For additional information, contact John L. Schlager or Pat Bishop, MWJ Producing Co., 915-682-5216.

NEW YORK (AP) - Dr. Michael M. Stewart, vice president of the Rockefeller Foundation and associate professor of medicine at the Columbia University College of Physicians and Surgeons, died Saturday of complications from abdominal surgery. He was 46.

TORONTO (AP) - Eric Curwin, the British secret agent

Need Extra Money?

Sell Avon.
Set your own hours
Call Macalynn Cox
392-2928

ALCOHOLICS

ANONYMOUS-Meets Monday and Thursday at St. Mary's Episcopal at 5th and Ave. C starting at 7:30 p.m. Call 396-6450, 396-5747 or 396-4020.

AL ANON MEETS Monday at 8:00 p.m. and Wednesday from 12 to 1 at St. Mary's Episcopal Church, 5th and Ave. C. Call 396-4376 or 396-4888.

When you think of cosmetics, think of Mary Kay. Try before you buy. Call professional beauty consultant, Erby Roberts at 396-4539.

Start out the new year with a personalized skin care program with Mary Kay Cosmetics. Call Debbie Eppard, 396-3372 for an appointment.

SMALL

APPLIANCES

RAINBOW REXAIR
Settles household dust like rain! Great for allergies!

396-3845

V. MAP

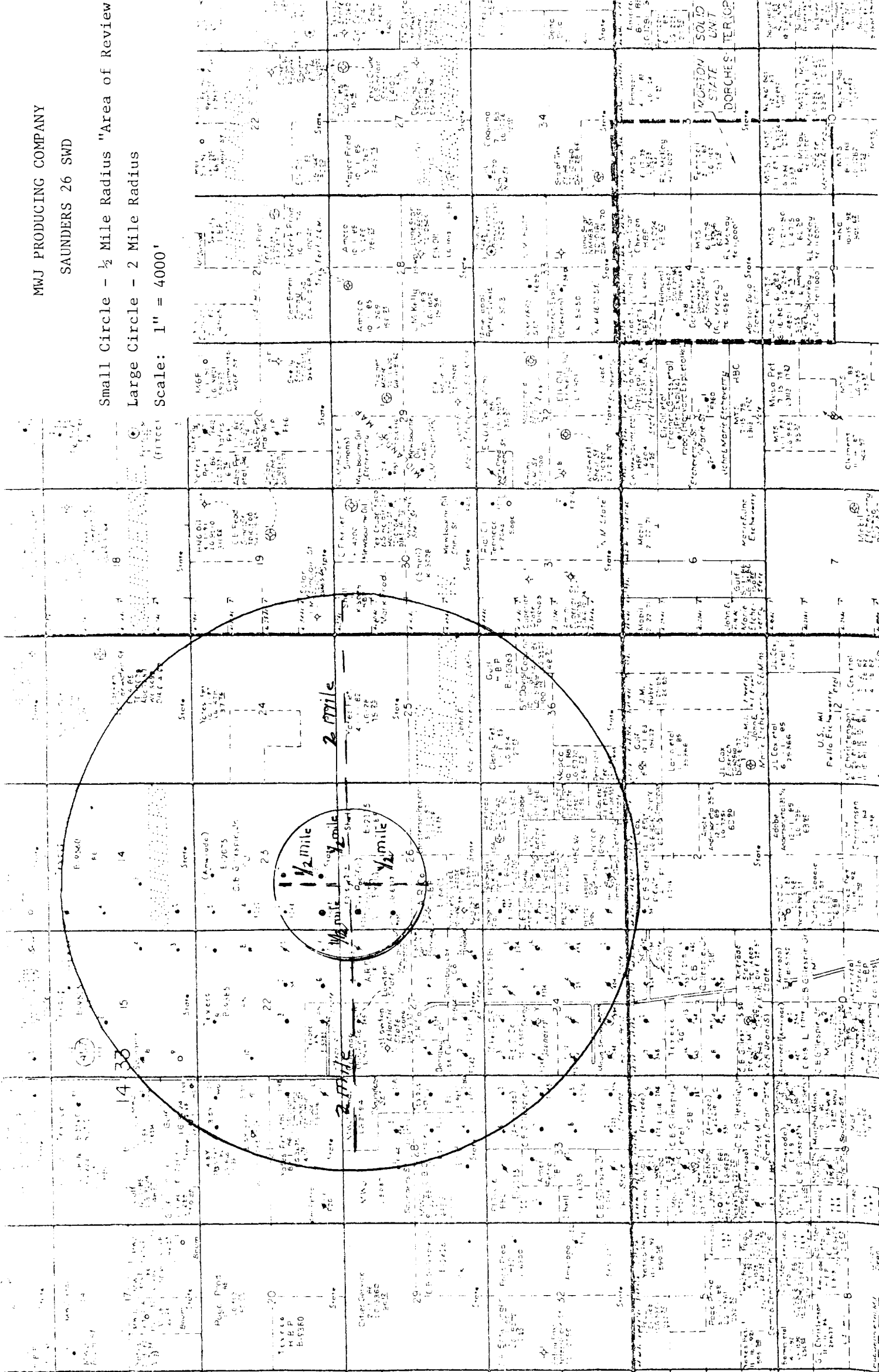
MMJ PRODUCING COMPANY

SAUNDERS 26 SWD

Small Circle - 1/2 Mile Radius "Area of Review"

Large Circle - 2 Mile Radius

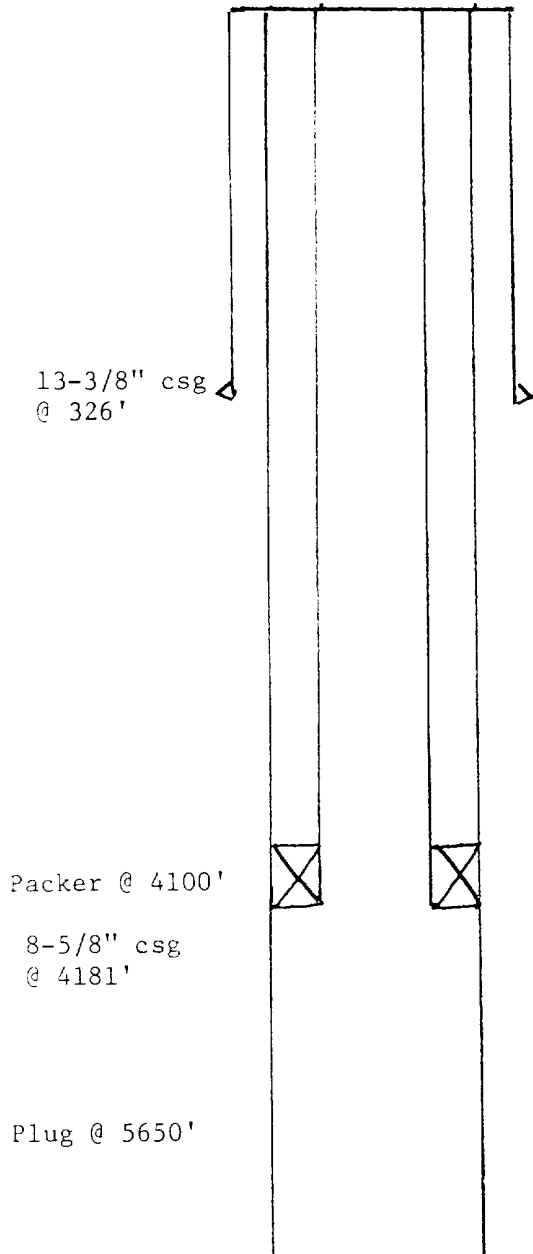
Scale: 1" = 4000'



RECEIVED
JAN 27 1983
C.C.D.
HOBBS OFFICE

INJECTION WELL DATA SHEET

MWJ PRODUCING COMPANY SAUNDER 26 SWD located 330' FNL & 1650' FWL
Section 26, T-14S, R-33E, Lea County, New Mexico

SCHEMATICTUBULAR DATASURFACE CASING

13-3/8", 48# csg set @ 326'. Cemented with 500 sx cement & circulated to surface. Hole size 17".

LONG STRING

8-5/8" 24# & 32# casing set @ 4181'. Cemented with 1873 sx cement and circulated to surface. Hole size 11".

Injection interval will be open hole from 5650' up to base of 8-5/8" casing @ 4181'.

TUBING

Tubing size is 2-3/8" which will be lined with a powered epoxy coating. Tubing will be set in a Baker Model Packer at approximately 4100'.

VI. WELLS WITHIN AREA OF REVIEW (1/2 mile radius)

OPERATOR: TEXAS PACIFIC COAL & OIL COMPANY
LEASE NAME: STATE OF NEW MEXICO #2-X
FIELD NAME: SAUNDERS
LOCATION OF WELL: 330' FNL & 1650' FWL, Sec 26, T-14S, R-33E
Lea County, New Mexico
TYPE OF LEASE: STATE
WELL STATUS: PLUGGED & ABANDONED (3/13/69)
PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 10/17/58 COMPLETION DATE: 12/11/58
TOTAL DEPTH: 10,000' PLUG BACK DEPTH: 9,860'

CASING RECORD:

SIZE	WEIGHT	DEPTH	CEMENTING RECORD & TOP OF CEMENT
13-3/8"	48#	326'	500 sx
8-5/8"	24 & 32#	4181'	1873 sx
5-1/2"	15.5 & 17#	10000'	300 sx

TUBING RECORD:

SIZE	DEPTH	PACKER DEPTH	PLUGGING	SCHEMATIC
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No record

10 sx cmt at
surface

PERFORATIONS AND TREATMENT:

INTERVAL	TREATMENT
9750-9798'	500 gal 15% MEC ac

13-3/8"
csg 326'

POTENTIAL TEST:

DATE	PRODUCTION
12/11/58	215 BOPD GOR 1023:1

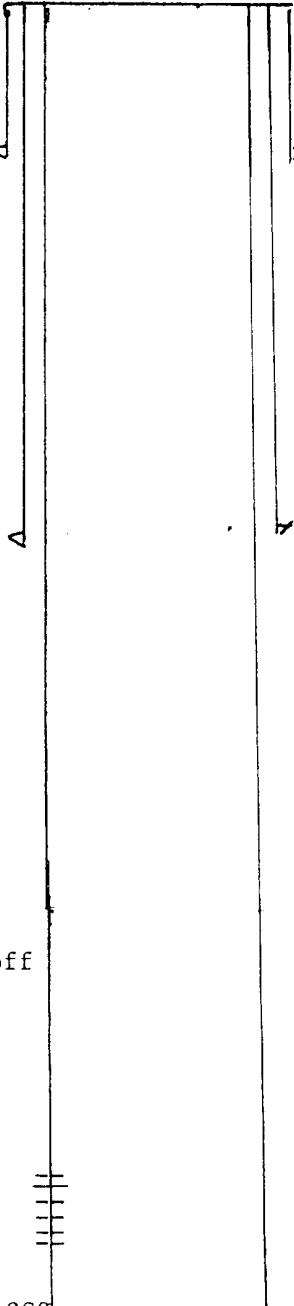
25 sx cmt @ 4181'
8-5/8"
csg

25 sx cmt @ 5650'

25 sx cmt @ cut off
of 5½" csg 7500'

25 sx cmt in 5½"
over perms from
9750-9798'

TD 10000' 5½" csg



VI. WELLS WITHIN AREA OF VIEW (1/2 mile radius)

OPERATOR: THE TEXAS COMPANY (TEXACO, INC.)

LEASE NAME: #4 AN STATE OF NEW MEXICO

FIELD NAME: SAUNDERS

LOCATION OF WELL: 660' FSL & 660' FEL, Sec 22, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PUMPING OIL

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 5/14/58

COMPLETION DATE: 6/26/58

TOTAL DEPTH: 10,100'

PLUG BACK DEPTH: 9,999'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
13-3/8"	48#	363'	350 sx
8-5/8"	24 & 32#	4150'	2200 sx
5-1/2"	17#	10000'	400 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>
2-3/8"	9997'	9640'

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9730-9912'	acd w/1000 gals mud ac.

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
6/26/58	416 BOPD GOR 1385:1

VI. WELLS WITHIN AREA OF REVIEW (1/2 mile radius)

OPERATOR: AMERADA PETROLEUM CORP. (CHARLES B. GILLESPIE, JR)

LEASE NAME: 6-SJ STATE

FIELD NAME: SAUNDERS

LOCATION OF WELL: 1980' FSL & 1980' FWL, Sec 23, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PUMPING OIL WELL

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 1/23/59 COMPLETION DATE: 4/13/59

TOTAL DEPTH: 9,922' PLUG BACK DEPTH: 9,912'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
13-3/8"		293'	250 sx
8-5/8"		4180'	1500 sx
5-1/2" lnr 17#		4054-9918'	800 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>
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No record

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9892-9902'	Acid w/2000 gal 15% LT Western ac

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
4/13/59	55 BO & 25 BWPD

VI. WELLS WITHIN AREA OF VIEW (1/2 mile radius)

OPERATOR: AMERADA PETROLEUM CORPORATION (CHARLES B. GILLESPIE, JR)

LEASE NAME: #1-SJ STATE

FIELD NAME: SAUNDERS

LOCATION OF WELL: 660' FSL & 660' FWL, Sec 23, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PUMPING OIL WELL

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 2/15/58

COMPLETION DATE: 4/1/58

TOTAL DEPTH: 10,052'

PLUG BACK DEPTH: 10,047'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
13-3/8"	36#	296'	250 sx
8-5/8"	32,28,24#	4160'	1500 sx
5-1/2" lnr 17#		10,052'	600 sx & 200 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>
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No record

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9754-9932'	acd w/1000 gal 15% LST ac.

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
4/1/58	548 BO

VI. WELLS WITHIN AREA OF VIEW (1/2 mile radius)

OPERATOR: AMERADA PETROLEUM CORPORATION (CHARLES B. GILLESPIE, JR)

LEASE NAME: #2-J STATE "S"

FIELD NAME: SAUNDERS

LOCATION OF WELL: 1980' FSL & 660' FWL, Sec 23, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PUMPING OIL WELL

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 5/15/58

COMPLETION DATE: 7/4/58

TOTAL DEPTH: 10,015'

PLUG BACK DEPTH: 9,939'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
10-3/4"	29#	294'	250 sx
7-5/8"	26 & 40#	4157'	1500 sx
5-1/2" lnr 17#		4050-10015'	540 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>
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No record

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9766-9880'	ac w/1000 gal 15% LST ac

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
7/4/58	240 BO & 53 BWPD 469:1

VI. WELLS WITHIN AREA OF VIEW (1/2 mile radius)

OPERATOR: AMERADA PETROLEUM CORPORATION

LEASE NAME: #3-SJ STATE

FIELD NAME: SAUNDERS

LOCATION OF WELL: 660' FSL & 1980' FWL, Sec 23, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PLUGGED & ABANDONED (9/24/80) *

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 7/5/58 COMPLETION DATE: 8/17/58

TOTAL DEPTH: 10,000' PLUG BACK DEPTH: 9.986'

CASING RECORD:

SIZE	WEIGHT	DEPTH	CEMENTING RECORD & TOP OF CEMENT
13-3/8"	36#	296'	250 sx
8-5/8"	32#	4169'	1500 sx
5-1/2" lnr	17#	4080-9999'	800 sx

TUBING RECORD:

SIZE	DEPTH	PACKER DEPTH	PLUGGING	SCHEMATIC
No record				

PERFORATIONS AND TREATMENT:

INTERVAL	TREATMENT
9754-9801'	acd w/1000 gal 15% LST ac

POTENTIAL TEST:

DATE	PRODUCTION
8/17/58	353 BOPD GOR 1422:1

10 sx cmt plug @ surface

13-3/8" csg @ 296'
25 sx across
base of 13-3/8"

8-5/8" csg @ 4169'
50 sx cmt across
8-5/8" csg stub

25 sx cmt across
liner top @ 4080'

* No record of report of P & A.
Information taken from Notice of Intention.

25 sx cmt across
perfs
Perfs from 9754-
9801'

TD 10,000'

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JAN 27 1983
O.C.D.
HOBBS OFFICE

VI. WELLS WITHIN AREA OF REVIEW (1/2 mile radius)

OPERATOR: MWJ PRODUCING COMPANY

LEASE NAME: SAUNDERS 26 STATE #1

FIELD NAME: SAUNDERS

LOCATION OF WELL: 1980' FNL & 660' FWL, Sec 26, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PUMPING OIL WELL

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 10/30/81

COMPLETION DATE: 1/6/82

TOTAL DEPTH: 10,075'

PLUG BACK DEPTH: 9,971'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
13-3/8"		420'	400 sx
8-5/8"		4170'	1500 sx
5-1/2"		10,010'	300 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>
2-3/8"	9989'	9817'

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9848-9894'	acd w/2000 gal 20% HCL ac

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
2/15/82	130 BO, 160 MCF & 210 BWPD

VI. WELLS WITHIN AREA OF REVIEW (1/2 mile radius)

OPERATOR: TEXAS PACIFIC COAL & OIL CO. (SUN TEXAS)

LEASE NAME: STATE OF NEW MEXICO #1-X

FIELD NAME: SAUNDERS

LOCATION OF WELL: 660' FNL & 660' FWL, Sec 26, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PLUGGED & ABANDONED (6/19/60)

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 6/17/58

COMPLETION DATE: 8/7/58

TOTAL DEPTH: 10,050'

PLUG BACK DEPTH: 9,984'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>
13-3/8"	49#	350'	375 sx
8-5/8"	28 & 32#	4179'	1786 sx
5-1/2"	17#	10049'	300 sx

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>	<u>PLUGGING</u>	<u>SCHEMATIC</u>
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No record

10 sx cmt at surface

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9748-9908'	No record

13-3/8" csg
329'

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
8/7/58	252 BOPD GOR 2104:1

25 sx cmt @ 4179'
btm of 8-5/8" csg
20 sx @ 4800'

20 sx @ 5400'

20 sx @ 7100'

20 sx @ 8050'

20 sx @ 8750'
Shot off & pulled

20 sx cmt @ 9925'

Perfs from
9748-9908'

TD 10050'

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C.C.D.
HOBBS OFFICE

VI. WELLS WITHIN AREA OF .VIEW (1/2 mile radius)

OPERATOR: THE ATLANTIC REFG CO. (ARCO OIL & GAS COMPANY)

LEASE NAME: #2-R STATE

FIELD NAME: SAUNDERS

LOCATION OF WELL: 660' FNL & 660' FEL, Sec 27, T-14S, R-33E
Lea County, New Mexico

TYPE OF LEASE: STATE

WELL STATUS: PLUGGED & ABANDONED (4/4/75)

PRODUCING FORMATION: PERMO-PENN

SPUD DATE: 9/24/58

COMPLETION DATE: 11/6/58

TOTAL DEPTH: 9,950'

PLUG BACK DEPTH: 9.932'

CASING RECORD:

<u>SIZE</u>	<u>WEIGHT</u>	<u>DEPTH</u>	<u>CEMENTING RECORD & TOP OF CEMENT</u>	
11-3/4"	42#	399'	250 sx	
8-5/8"	24#	4150'	1600 sx	
5-1/2"	15.5#	9,950'	600 sx	7815'

TUBING RECORD:

<u>SIZE</u>	<u>DEPTH</u>	<u>PACKER DEPTH</u>	<u>PLUGGING</u>	<u>SCHEMATIC</u>
2"	9760'		10 sx cmt plug at surface	

PERFORATIONS AND TREATMENT:

<u>INTERVAL</u>	<u>TREATMENT</u>
9802-9876'	1000 gal 15% MCA

POTENTIAL TEST:

<u>DATE</u>	<u>PRODUCTION</u>
11/6/58	323 BOPD

11-3/4" csg
399'

50 sx cmt top
of salt from
1492-1625'

8-5/8" csg 4150'
50 sx cmt from
4018-4226' across
8-5/8" csg shoe

40 sx cmt across
5 1/2" stub from
5008-5150'

25 sx cmt from
5460-5670' on
top of Glorietta

50 sx cmt on top
of BP @ 9500'

2" tbg @ 9760'

Perfs from
9802-9876'

TD 9950'

RECEIVED
JAN 27 1983
HOBBS OFFICE

VII.

PROPOSED OPERATION

MWJ PRODUCING COMPANY proposes to utilize this disposal well to dispose of water produced from the MWJ SAUNDERS 26 Lease well number 1. Present water production from the Saunders 26 #1 is 500 bbls. per day. The proposed average volume of water to be injected is 500 bbls per day. Maximum anticipated volume of water to be disposed of is 750 bbls per day. The average anticipated injection rate is 1/2 bbls per minute at an average pressure of 200 psi. Maximum anticipated rate is 1 bbl per minute at a maximum pressure of 300 psi. This proposal is to dispose of water produced from the Bough "C" formation.

Martin Water Laboratories, Inc

P. O. BOX 1468
MONAHANS, TEXAS 79756
PHONE 943-3234 OR 563-1040

RESULT OF WATER ANALYSES

731 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

TO: JOHN FULLER

LABORATORY NO. _____

SAMPLE RECEIVED 1-20-83

RESULTS REPORTED _____

COMPANY M W J PRODUCING CO. LEASE SAUNDERFIELD OR POOL SAUNDERSSECTION _____ BLOCK _____ SURVEY _____ COUNTY LEA STATE NEW MEXICO

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 WELL # 26-1 (1-19-83)

NO. 2 _____

NO. 3 CHEMICAL ANALYSIS of water we will be pumping intoNO. 4 OUR disposal well: SAUNDERS 26 SWD.REMARKS: PERMO-PENN

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0237			
pH When Sampled				
pH When Received	6.7			
Bicarbonate as HCO ₃	1830			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	4025			
Calcium as Ca	1180			
Magnesium as Mg	261			
Sodium and/or Potassium	8978			
Sulfate as SO ₄	3284			
Chloride as Cl	13,210			
Iron as Fe	19.7			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	28,743			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	2050			
Resistivity, ohms/m at 77° F.	0.26			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

SAMPLE TAKEN AT 9848-9894'

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HALLIBURTON DIVISION LABORATORY
HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240
LABORATORY WATER ANALYSIS

1041
No. W80-1074

To: MWJ Production Company
1804 1st National Bank Building
Midland, Texas

Date 10-2-80

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Submitted by _____ Date Rec. 10-2-80

Well No. Saunders "16" #1 Depth 4,943' Formation San Andres

County Lea Field Saunders Source DST #1

	Sampler	Tool Top	Top of Fluid
Resistivity	0.096 @ 74°F.	0.100 @ 74°F	0.163 @ 74°F.
Specific Gravity	1.071		
pH	6.3		
Calcium (Ca)	3,000		*MPL
Magnesium (Mg)	1,200		
Chlorides (Cl)	61,000	57,500	26,500
Sulfates (SO ₄)	3,600		
Bicarbonates (HCO ₃)	390		
Soluble Iron (Fe)	40		

Fluid Change - Res. @ 74°F. - 0.125 Chlorides, mpl - 40,000

Pit Sample - Res. @ 74°F. - 0.162 Chlorides, mpl - 27,000

Remarks: To the best of our knowledge, the chemical analysis of this San Andres water is the closest test of the disposal zone formation water for the proposed SWD well. This should be adequate for requirement 7-5 of form C-108. *Milligrams per liter

Respectfully submitted,

Analyst: Brewer

HALLIBURTON COMPANY

cc:

By W. L. Brewer
CHEMIST

NOTICE

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VIII.
GEOLOGICAL DATA

The injection zone in this proposed well is the San Andres formation which is composed of dolomite, lime, & limey sand. The top of the San Andres is at 4112', and the zone is 1538' thick. We propose to dispose of water from 4112' to the cement plug at 5650'.

The depth to the bottom of the underground source of drinking water is at 270', which is the base of the Ogallala formation, Tertiary age. There are three water wells within a one mile radius of the proposed disposal well. The closest well is located approximately 2450' west/southwest from the proposed disposal well. At this time there is no surface equipment at this well. To the best of our knowledge, this well is not presently producing. (See attached analysis Section XI).

Chemical analysis on a water well 4500' to the northwest could not be obtained. Mr. Jim Wright of the New Mexico Water Resources Division gave us this general information on the fresh water in this area. Chlorides 40-70 PPM and conductivity 500-800. He assured us this information would be satisfactory to your Commission.

Attached see the chemical analysis of the closest Glorietta water measured in our area from the New Mexico Oil and Gas Commission files.

IX.

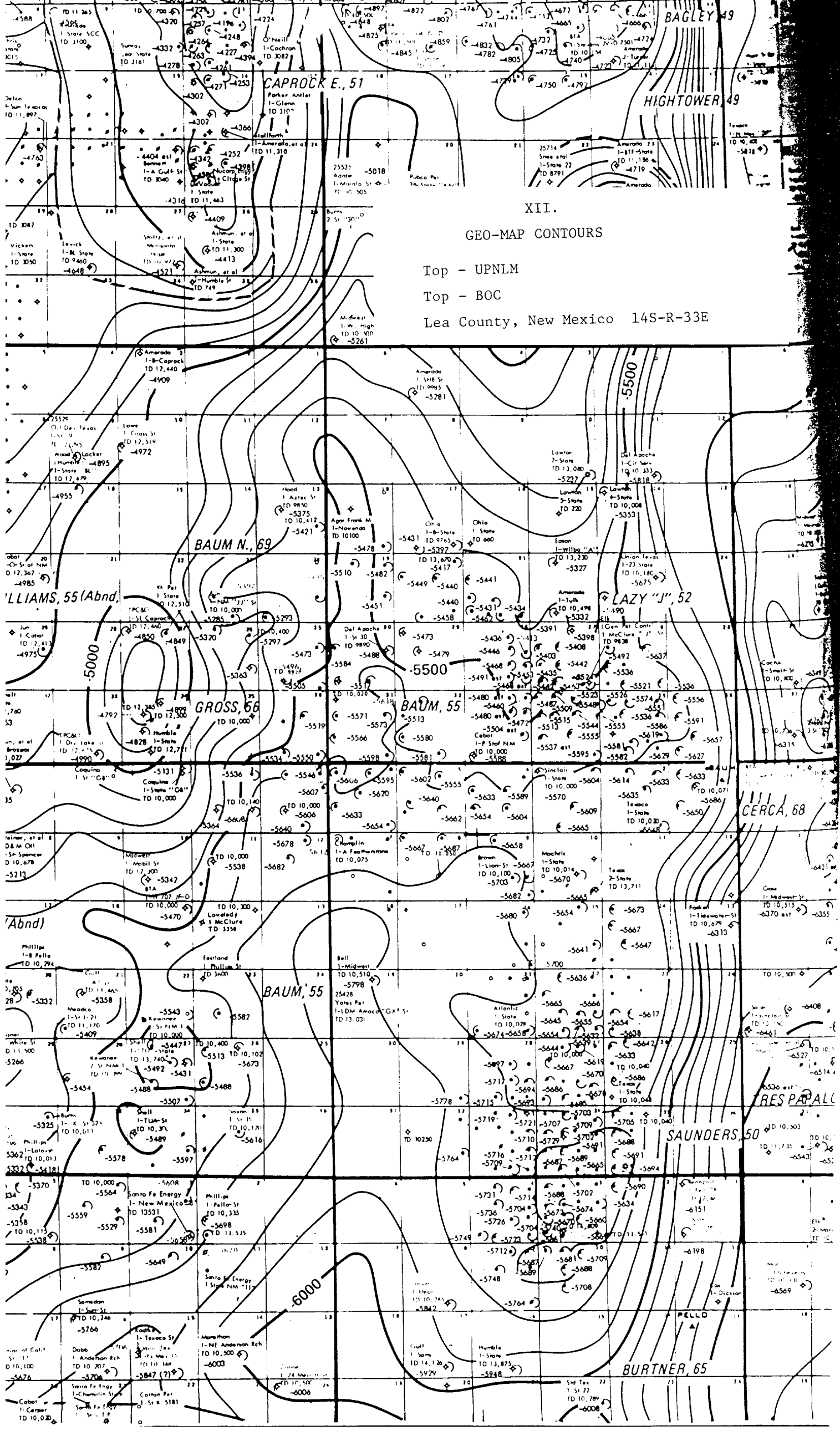
PROPOSED STIMULATION

MWJ PRODUCING COMPANY proposes to clean out well to 5500' and acidize open hole with 3000 to 5000 gals 15% acid, run and set a packer at 4100' and dispose of water into a non-productive zone.

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XII.

We have examined available geological and engineering data and found no evidence of open faults or any other hydrologic connections between the disposal zone and any underground source of drinking water. (See attached Geo-Map contour maps).



XII.
GEO-MAP CONTOURS

Top - UPNLM
Top - BOC
Lea County, New Mexico 14S-R-33E

T-14S, R-33E

