DATE IN 9-26-05	SUSPENSE	ENGINEER Jones	LOGGED IN 9-27-05	TYPE SWD	APP NO. pSEM[illegible]

5270498
50

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☑ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

Run CBL
Above Capitan Reef
Formation Tops = ?
Nearest SWD = ?
SALT = ?
30-025-32741

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name	Signature	Title	Date

e-mail Address

KAISER STATE #44

SALT WATER DISPOSAL WELL

OCD FORM C-108

OPERATOR

MESQUITE SWD, INC.

August 2005

LEE ENGINEERING

P.O. BOX 10523, MIDLAND, TX 79702 (432) 682-1251

September 20, 2005

Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

Attn: Mr. Will Jones

Re: Request for Administrative Approval
for Water Disposal Well.
Kaiser State well No. 44
API # 30-025-32741
Section 13 E, T-21-S, R-34-E
Lea County, New Mexico

Dear Mr. Jones:

Please find attached a Form C-108 requesting approval to utilize the Kaiser State #44 as a salt-water disposal well. If all attachments are satisfactory and no offset Owners object, Mesquite SWD, Inc. respectfully requests approval be granted administratively.

Mesquite SWD, Inc. requests permission to inject water into the Yates-Seven Rivers Formations from 3560-90', 3615-19', 3638-44', 3770-76', 3788-92' & 3800-06'. The 2 7/8" cement lined injection tubing will be set at 3500' with a plastic coated AD-1 Packer.

The maximum anticipated injection rate is 6000 BWPD with an injection pressure not to exceed 712 PSI. If injection pressures need to be increased, a State witnessed step-rate test will be performed.

If you have any questions or if I can be of any assistance, please do not hesitate to call me at (432)-682-1251. My e-mail address is: robertlee5@att.net.

Restricted injection
to
3560-3770
To avoid possible
Capitan Reef Danger,
Wtl Jones

Sincerely,

Robert Lee (RW)

Robert Lee

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

RECEIVED
SEP 26 2005
OIL CONSERVATION DIVISION

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X____Disposal _____Storage
Application qualifies for administrative approval? ___X_____Yes _____No

II. OPERATOR: ____Mesquite SWD Inc._____

ADDRESS: _____P. O. Box 1479 Carlsbad, NM 88220_____

CONTACT PARTY: ____Mr. Clay Wilson_____PHONE: __505-706-1869_____

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 ____X____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: ____Robert Lee_____TITLE: __Consulting Engineer_____

SIGNATURE: Robert Lee DATE: ____August 30, 2005____

E-MAIL ADDRESS: _____robertlee5@att.net_____

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate 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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

UNIT F

KAISER STATE #44

PROPOSED WELLBORE DIAGRAM

P & W RESOURCES LLC

SU-T-R 2310' FNL & 2310' FWL	**API #:** 30-025-32741
13-21S-34E	
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: DISPOSAL	

FORM	TOP

10 3/4" @ 404'
w/340 sx Cmt
TOC @ surface

TOC @ 1,368', calc

Top RUSTLER = 1552' or 857' or 1,787'

BOT @ 2,230'

SALT

3518'-32' BASE OF SALT

3446' = Y, or 3493', or 3515'

7 5/8" plastic coated AD-1 pkr @ 3,500' on
2 7/8" Rice duo-lined tbg

Proposed Perfs:
3,560-90'
3,615-19'
3,638-44'
3,770-76'
3,788-92'
Perfs: 3,800-06'

3798' = 7 RVRS?

3820 3864 OIL SANDS

4149-4453 = SULFUR WATER

4,180' = Queen Top

TD 4,190'

7 5/8" @ 4,190' w/500 sx Cmt
TOC @ 1,368', calc

CASING				TUBING
Pipe	10 3/4"	7 5/8"		2 7/8"
Depth	404'	4,190'		3,500'
Cement	340 sx	500 sx		

YATES-7 RVRS ZONE HISTORY

12/16/94 Spud. **1/18/95** Initial Completion
Perforated 3,800-06'
Acidized w/250 gals 15% HCl
IP 73 BOPD, 2700 BWPD, 45 MCFD

7 5/8" plastic coated AD-1 pkr set @ 3,500' on
2 7/8" Rice duo-lined tbg
Proposed Perfs:
3,560-90'
3,615-19'
3,638-44'
3,770-76'
3,788-92'

4380 - 5500 Ref?

Current

KAISER #44
APPLICATION FOR INJECTION
NMOCD Form C-108 Section III

III. Data on injection well(s)

A. Injection well information (see attached schematic)

Tabular data

1. Lease: Kaiser State
Well No: 44
Location: 2310' FNL & 2310' FWL,
Section 13
T-21-S, R-34-E
Lea County, NM

2. Casing: 10 3/4", 45.5 #/ft, surface csg. @ 404' in 14 3/4" hole, cemented w/340 sx. TOC @ surface, circulated.
7 5/8 ", 26.4 & 29.7 #/ft, production casing @ 4190' in 9 1/2" hole, cemented w/ 500 sx. TOC @ 1368', calculated

3. Injection tubing: + or - 111 jts 2 7/8", 4.6 lb/ft, J-55 Rice Duoline internally cement lined tubing set @ 3550'.

4. Packer: Plastic coated AD-1 Packer set at 3500'.

B. Other well information

1. Injection formation: Yates- Seven Rivers
Field: Wilson

2. The injection intervals will be from 3560-3806. The well is currently perforated at 3800'-06'. It is proposed to add perfs to inject into at 3560-90', 3615-19', 3638-44', 3770-76' and 3788-92'.

3. This well was drilled as a Yates- Seven Rivers producer in 1995. It was originally completed at 3800-06'. The well was acidized with 250 gals of acid.

4. There are no other perfed or tested intervals in this well. We intend to add perfs as listed in item #2.

5. There is no production from zones above this interval within this area. The next lower producing zone is the Morrow at a depth of 12,100'

KAISER STATE #44
CONVERT TO INJECTION
NMOCD Form C-108 Sections VII thru XII

VII. Data on proposed operation.

1. Proposed average injection rate: 3000 BWPD per well
   Proposed maximum injection rate: 6000 BWPD per well

2. The system will be a closed system.

3. Proposed average injection pressure: 500 PSI
   Proposed maximum injection pressure: 712 PSI (This is based on a .2 psi/ft gradient)

4. The proposed injection fluid is produced water from other leases. Water analysis of these waters is not available.

5. This zone was productive of oil and gas but is now uneconomic to produce. There is no water analysis for this well; however, analysis of water in the area indicates an Rw of .228.

VIII. The proposed injection interval is located in the Yates-Seven Rivers formation. This Permian age reservoir is 235' thick in this area. The intervals to be injected into are 3560-90', 3615-19', 3638-44', 3770-76', 3788-92' & 3800-06'. There are no fresh water wells within one mile of the proposed salt-water disposal well based on the attached information provided by the State Engineer.

IX. The injection zone will be perforated intervals at 3560-90', 3615-19', 3638-44', 3770-76', 3788-92' & 3800-3806'. The injection string will be 2 7/8" cement lined tubing set at 3500' with a plastic coated AD-1 packer. No stimulation is planned for the injection interval.

X. Logs have been submitted to the OCD.

XI. There are no fresh water wells within one mile of the proposed conversion. The information for this area as provide by the State Engineer is attached

XII. An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water. These shallow formations are generally not faulted. The casing and cement should isolate the migration of salt eater up the borehole. The salt and anhydrite section from 2000-3450 will prevent vertical migration in the formation.

Jones, William V., EMNRD

From: Robert Lee [robertlee5@worldnet.att.net]
Sent: Friday, November 11, 2005 7:03 AM
To: Jones, William V., EMNRD
Subject: RE: SWD application Kaiser 44 30-025-32741

Will,
Mr. Clay Wilson, my client, has agreed to exclude the lower portion from the injection interval and have a maximum depth of 3770'. Should I resubmit a proposed wellbore diagram to you to show this? How do you want him to isolate the upper zone, CIBP with cement or a cement plug or squeeze the existing lower perfs and set a cement plug.

Thanks for your help on this. Any advice is appreciated.

RObert

-----Original Message-----
From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Thursday, October 27, 2005 10:27 AM
To: Robert Lee
Cc: Kautz, Paul, EMNRD; Ezeanyim, Richard, EMNRD
Subject: SWD application Kaiser 44 30-025-32741

Hello Robert:
Thanks for your reply concerning my questions.

I am working on the Kaiser #44 injection application and have been looking at logs and old injection permits in the area and also talking to Paul Kautz.

Unfortunately, it looks like I may release a permit for injection into this well, but limit the maximum depth to about 3,770' and with requirements of periodic injection surveys. Please let me know as soon as possible, if your client can live with this as a start. If they want to inject into the Seven Rivers, then I may refer this to a hearing or some other medium of communication where the applicant proves to the satisfaction of an examiner that the Reef in this area is not threatened or should not be protected.

Bottom line is that the logs show, and Paul Kautz says, that the Seven Rivers in this area is a massive carbonate which is almost indistinguishable from the Capitan Reef - and likely hydraulically connected to the Reef. The Division has a "policy" to limit newly permitted injection wells away from the Reef - at least until studies are completed to show that the Reef in this area does not need to be protected. Older permits that extend into the Seven Rivers may exist, but these could possibly be rescinded - and new ones will probably not be issued.

Let me know, I can release this permit today with a maximum depth of 3,770 feet.

Regards,

Will Jones
NMOCD/Santa Fe

--

Jones, William V., EMNRD

From: Robert Lee [robertlee5@worldnet.att.net]
Sent: Friday, October 14, 2005 9:21 AM
To: Jones, William V., EMNRD
Subject: Question of publication for a C-108

Will,

I am working on a C-108, that has not been sent to you yet, and I have an affidavit of publication. An offset operator called me and had a problem with some of the interval we were going to perf. My client agreed to change the injection interval to satify the offset operator.

My question for you is:
Do I need to republish the notice with the current proposed lesser interval, even though the original notice had the current interval and other intervals which have been eliminated?

I am still compiling data for you on the Kaiser 44 well. I'm having a difficult time getting tops for the Rustler to below ~~the Capitan~~ Reef. A lot of scout tickets only report the Yates tops.

On the Big Eddy #86 & #99, my client has agreed to withdraw the #86 application if Bass will allow the #99 to proceed. The Bass landman is waiting for Engineering to agree with this, but thinks they will approve that.

Thanks for all your help.

RObert Lee
--

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, October 26, 2005 4:53 PM
To: Kautz, Paul, EMNRD
Subject: RE: SWD proposal for the Kaiser State Well No. 44 30-025-32741

Paul:
This is Unit F, Section 13, T21S, R34E

I have been trying to pick the top of the Seven Rivers and the top of the Capitan Reef here by looking at offset wells that were drilled deeper. None of those tops are picked in the well files or on the logs. Do you have something showing those tops?

I am guessing that the 7 rivers starts about 3,800 and the Reef starts about 4,380 and the Delaware starts about 5,000 feet. The 7 rivers looks almost like the reef - do they intertongue? The 7 rivers may be less porosity than the reef?

I believe that there are lots of other injection wells in this area either now or in the past and many were permitted down past 4,000. So to limit this permit may not make sense.

I can either approve this permit the way it is proposed (3,560 to 3,806) or restrict them to 3,560 to 3,770 or so to be sure. What do you think? ideally? or practically? I may put in the requirement to run an injection survey periodically.

Thank You,

William V. Jones Engineering Bureau Oil Conservation Division Santa Fe

---

From: Kautz, Paul, EMNRD
Sent: Friday, October 14, 2005 3:56 PM
To: Jones, William V., EMNRD
Subject: RE: SWD proposal for the Kaiser State Well No. 44 30-025-32741

the interval at 3800 may be reef. if it is not reef it is coolb be hydrologically connected to the reef.

From: Jones, William V., EMNRD
Sent: Thu 10/6/2005 3:43 PM
To: robertlee5@att.net
Cc: Arrant, Bryan, EMNRD; Kautz, Paul, EMNRD
Subject: SWD proposal for the Kaiser State Well No. 44 30-025-32741

Hello Robert:
Questions concerning this application:

Will this be a commercial well?
What other SWD wells are in this vicinity, and which interval are they injecting?

This proposed injection interval is above the Capitan Reef and hopefully below the salt.
Please send picks of formation tops from the Rustler to below the Reef in this vicinity. Something changes at 3,800 feet.

It looks like Laterologs were run in this well, when Induction logs would have worked better. Are any of this proposed injection perforations 100pct water saturated?

Please send a production history decline curve for this well (from the 3800-3806 interval).

Your copies of the notification cards are included, but would you please list the names of all entities notified? Point out who the surface owner is.

I also must wait to hear from our geologist about this interval and whether it is safe for injection.

Thank You,

William V. Jones Engineering Bureau **Oil Conservation Division** Santa Fe

LEE ENGINEERING

P.O. BOX 10523, MIDLAND, TX 79702 (432) 682-1251

October 24, 2005

Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

Attn: Mr. Will Jones

Re: Additional data pertaining to
Request for Administrative Approval
For Water Disposal Well.
Kaiser State well No. 44
API # 30-025-32741
Section 13 E, T-21-S, R-34-E
Lea County, New Mexico

30-025-02538
SWD-923
R-3567 Cor 40 (1969)

Dear Mr. Jones:

Please find attached data pertaining to your email of 10/6/05 concerning the SWD application for the Kaiser State #44 on behalf of Mesquite SWD Inc..

This well is intended to be a commercial SWD facility. There is one active SWD in the area, the Kaiser #9 located 1980' FNL & FWL in Section 13. It is operated by P & W Resources and is injecting into the Yates formation at 3590-3610 & 3664-68. There is also a P&A'ed SWD called the San Simon #1 located 1325' FNL & 650' FEL in Section 13. It injected into an openhole section of the Yates-7 Rivers at 3638-4175'.

The injection interval is below the salt section. I had estimated the base of the salt section at 3445'. The Kaiser #43 in 13-M shows the base of the salt at 3332' and the Amerada St. #1 in 13-B shows the base of the salt at 3318'.

I have not been able to find formation tops for the Rustler, Capitan or other zones other than the Yates, 7-Rivers & Queen. These three tops are:

Yates	3446'
7-Rivers	3798'
Queen	4180'

I will need to defer to Mr. Kautz and Mr. Arrants expertise for the other tops.

Based on the attached water saturation analysis for these zones, it appears the Sw ranges from 94% to 21%. The lowest water saturation is from the productive zone at 3800-3806. That zone produced 54,691 BO, 11,816 MCF and 3,667,300 BW. A production curve is attached. It was producing 17 BOPD, 10 MCFPD & 4225 BWPD when it was T&Aed in 1997.

A list of the companies notified is attached with the surface owner designated.

Will, thank you for all your help. If you have any questions or if I can be of any further assistance, please do not hesitate to call me at (432)-682-1251. My e-mail address is robertlee5@att.net.

Sincerely,

Robert Lee

Knowles #43. M-13-21-34

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-dr or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all spe tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is t filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STAT

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 1582	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 3332'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3493	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permain	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

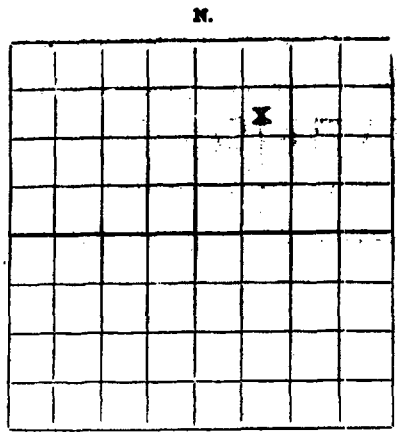
No. 1, from.....to..... No. 3, from.....to.....
No. 2, from.....to..... No. 4, from.....to.....

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
	700	700	SH: Brn-Rd				
700	1582	882	SS: Amber, Rd. SH: Brn-Rd ANHY: Wht				
1582	2230	648	SH: Brn, Rd DOLO: Wh-Lt. Tan				
2230	3320	1090	Halite: ANHY: Off Wh.				
3320	3500	180	DOLO: Tn ANHY: Wht.				
3500	3730	230	SS: Cir. Lt. Gry DOLO: Tn SH: Brn-Orn				



AREA 640 ACRES
LOCATE WELL CORRECTLY

(Revised 7/1/52)
(Form C-105)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Wilson Oil Company (Company or Operator) Amerada-State (Lease)

Well No. 1, in NW ¼ of NE ¼, of Sec. 13, T. 21, R. 34, NMPM.

Wilson Pool, Lea County.

Well is 990 feet from North line and 1650 feet from East line of Section 13. If State Land the Oil and Gas Lease No. is B6717

Drilling Commenced January 2, 1953 Drilling was Completed January 13, 1953

Name of Drilling Contractor Company tools

Address

Elevation above sea level at Top of Tubing Head 3672 The information given is to be kept confidential until , 19

OIL SANDS OR ZONES

No. 1, from 3838 to 3848 No. 4, from to

No. 2, from 3860 to 3864 plugged No. 5, from to

No. 3, from 3820 to 3830 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 4149 to 4153 feet. Sulphur water

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
5½	14	new	3917	Halliburton		3838-48 3820-30	oil string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
6¼	5½	3917	200	Halliburton	wt. 9.2	

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 3790 feet to 4153 feet, and from ..... feet to ..... feet.

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

PRODUCTION

Put to Producing Jan. 18, 19 53

OIL WELL: The production during the first 24 hours was 76 barrels of liquid of which 100 % was was oil; ..... % was emulsion; ..... % water; and ..... % was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure ..... lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico				Northwestern New Mexico	
T. Anhy	1657	T. Devonian		T. Ojo Alamo	
T. Salt	1787	T. Silurian		T. Kirtland-Fruitland	
B. Salt	3318	T. Montoya		T. Farmington	
T. Yates	3515	T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres		T. Granite		T. Dakota	
T. Glorieta		T.		T. Morrison	
T. Drinkard		T.		T. Penn	
T. Tubbs		T.		T.	
T. Abo		T.		T.	
T. Penn		T.		T.	
T. Miss		T.		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
3790	3830	40	Wht. Lime				
3830	3860	30	Sand, Lime & Bent. SD.				
3860	3945	85	Wht. Lime				
3945	3955	10	Gry. Sd.				
3955	4060	95	Wht. Lime				
4060	4070	10	Gry. Sand				
4070	4105	35	Wht. Lime				
4105	4120	15	Lime, Sand & Bent.				
4120	4153	33	Wht. Lime				

ARCHIE EQUATION ESTIMATION OF WATER SATURATION

Well: Kaiser State #44

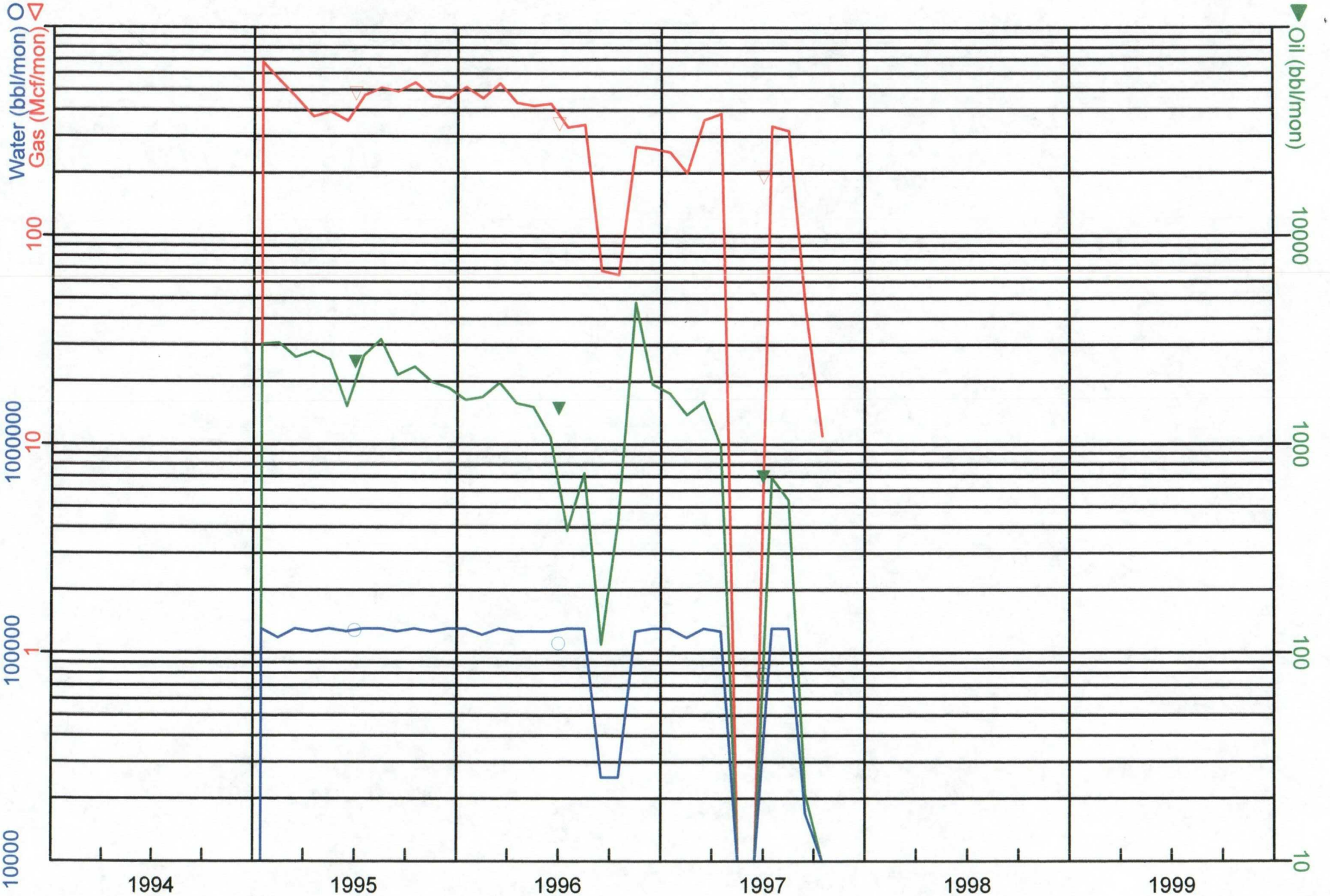
Formation: Yates- 7-Rivers

Parameters	
a	1
m	2
n	2
Rw	0.228

Depth	Phi	Rt	Sw	BVW
3565	0.16	10	0.94	0.15
3575	0.19	9	0.84	0.16
3586	0.17	10	0.89	0.15
3616	0.13	25	0.73	0.10
3640	0.16	40	0.47	0.08
3772	0.18	35	0.45	0.08
3790	0.16	60	0.39	0.06
3800	0.13	300	0.21	0.03

Case Name: KAISER STATE 44
API Number: 30025327410000
County,State: LEA,NM

Oper: MESQUITE SWD INCORPORATED
Field: WILSON
Reservoir: YATES SEVEN RIVERS



Hist Oil Cum: 54.69 Mbbl
Hist Gas Cum: 11.82 MMcf
Hist Wtr Cum: 3,667.30 Mbbl

Perfs: 0-0
Location: S 21.0/E 34.0/SEC 13.0 SE NW

Addresses of people to send C-108 to:

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
ATTN: Mr. Will Jones
(505)- 476-3448

New Mexico Oil Conservation Div.
P. O. Box 1980
Hobbs, New Mexico 88240
ATTN: Ms. Sharon Prichard
((505)-393-6161

Hal Rasmussen Operating Inc.
550 W Texas, Ste 500
Midland TX 79701

Maynard Oil Co.
1600 Broadway Ste 2200
Denver CO 80202-4921

Tom Brown Drilling
14001 Dallas Pkwy, Ste 1000
Dallas, TX 75240

ConocoPhillips
P O BOX 791
Midland TX 79702

Devon SFS
P O BOX 60210
Midland TX 79711-0210

Nearburg Production Co
3300 N A St, Bldg 2, Ste 120
Midland TX 79705-5421

Marks & Garner Production Co
P O Box 70
Lovington NM 88260

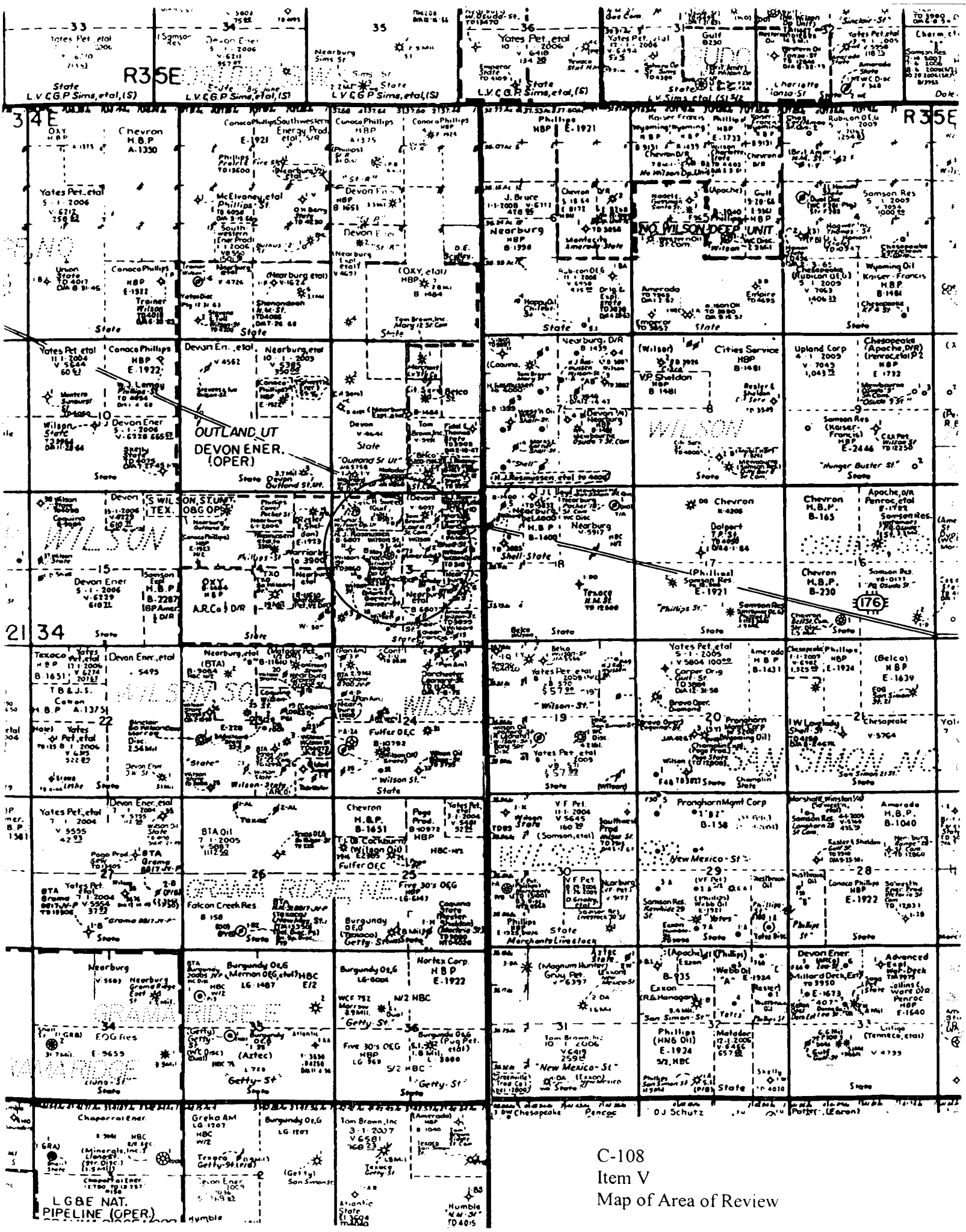
Kaiser- Francis Oil Co
P O Box 21468
Tulsa OK 74121-1468

Matador Operating
8340 Meadow Rd, #158
Dallas TX 75231

Forest Oil Corporation
P O Box 849746
Dallas TX 75284

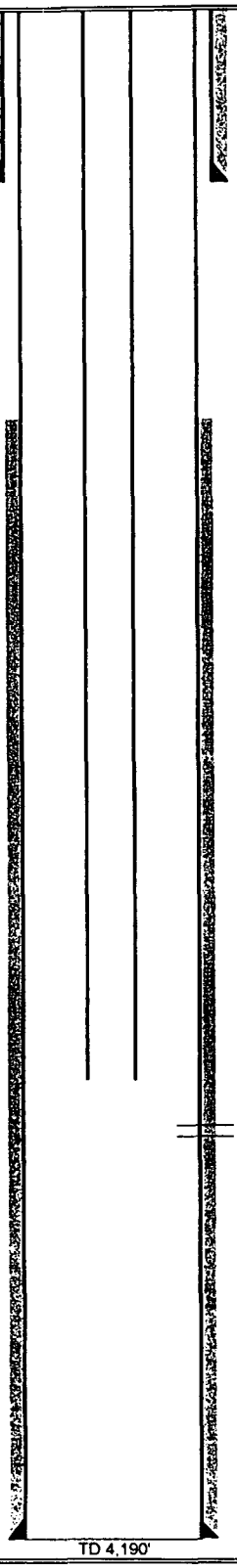
Gruy Petroleum Management Co
3300 N A St, Bldg 8, Ste 120
Midland TX 79705

SURFACE OWNER
New Mexico State Land Office
P O Box 1148
Santa Fe, NM 87504-1148



C-108
Item V
Map of Area of Review

FORM	TOP



KAISER STATE #44

CURRENT WELLBORE DIAGRAM

P & W RESOURCES LLC

SU-T-R 2310' FNL & 2310' FWL 13-21S-34E	**API #:** 30-025-32741
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: DISPOSAL	

CASING			TUBING
Pipe	10 3/4"	7 5/8"	2 7/8"
Depth	404'	4,190'	???
Cement	340 sx	500 sx	

YATES-7 RVRS ZONE HISTORY

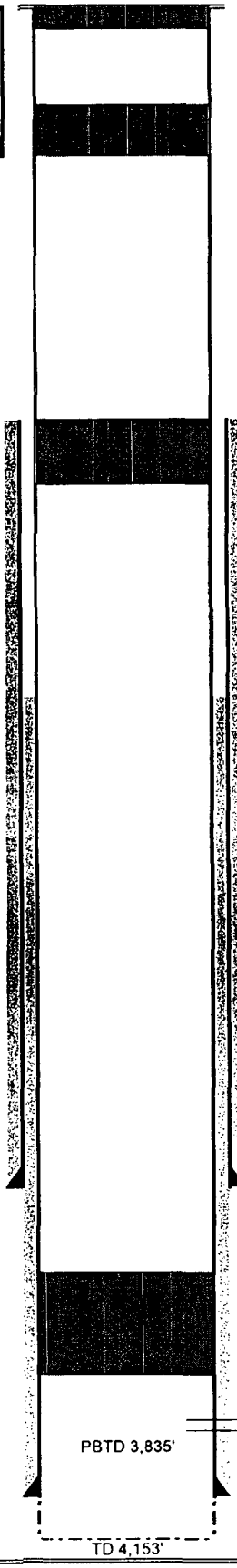
12/19/94 Spud. **1/18/95** Initial Completion
Perfs 3,800-06'
Acidize w/250 gals 15% HCl
IP 73 BOPD, 2700 BWPD, 45 MCFD

Mesquite SWD, Inc. C-108 ITEM VI Tabulation of Wells Within the Area of Review

	OPERATOR	CURRENT WELL NAME	API # 30-025	LOC'N	S-T-R T-21-S R-34-E	STATUS	SPUD DATE	COMP DATE	TD	PBTD	ZONE	CASING PROGRAM	TOC (Calc.)	COMP. INTERVAL	TRTMT.	IP
1	P & W Resources	Kaiser #9 Originally drilled as the Wilson operated State #9	2538	1980 FNL 1980 FWL	Section 13	Act. SWD	3/5/1942 4/22/1983	5/16/1942 6/1/1983	3845' 3781'	3752'	Yates- 7 Rivers	15 1/2" @ 108' w/ 125 sx 12 1/2"@ 744' w/ 150 sx 10" @ 1240' w/ 100 sx 8 5/8" @ 2840' w/ 200 sx 7" @ 3600' w/400 sx 5" @ 3781' w /340 sx	Surf. 309' 412' 563' Surf. Surf.	3600-3845' OH 3590-3610' 3664-3668'	360 Qt. Nitro A/3000	85 BO & 4000 MCF SWD
2	Wilson Oil & Gas	Amerada State #1	2529	990 FNL 1650 FEL	13	P&A	12/30/1952	2/23/1953	4153'	3835'	Yates- 7 Rivers	16" @ 110' w/ 80 sx 7" @ 3490 w/ 250 sx 5 1/2" @ 3917' w/ 200 sx	Surf. 470' 2775'	3820-3830	500 gal MA	76 BOPD
3	Wilson Oil Co	Amerada State #2	2530	1980 FNL 1980 FEL	13	P&A	9/24/1941	12/4/1941	3741'	3736'	Yates- 7 Rivers	16" @ 101' w/150 sx 7" @ 3,450' w/300 sx	Surf. 1490'	OH 3450-3600	Natural	IPF 728 BOPD on 24/64" choke
4	Maynard Oil	Wilson Deep Unit #1	20461	2080' FNL 2080' FWL	13	Prod	2/18/1963	8/9/1963	13862'	12380'	Morrow	13 3/8 @ 668' w/ 775 sx 9 5/8" @ 5635' w/ 3378 sx 7" @ 13097' w/ 300 sx	Surf. Surf. 11500' (TS)	12320-344	2000 gal acid	7500 MCFD
5	Tom Brown	Laura 13 State Com #1	35682	760 FNL 1980' FEL	13	SI	11/27/2001	2/12/2002	12522'	12497'	Morrow	13 3/8 @ 1404' w/ 1045 sx 9 5/8" @ 5540' w/ 1615 sx 7" @ 11352' w/ 400 sx 4 1/2" Lnr 11055-12520' w/ 140 sx	Surf. Surf. 8251'	12188-12197 12280-12282 12285-12297 12313-12325	Natural	3206 MCFD 14 BOPD
6	C. H. Sweet	State B #1	2528	990 FNL 2310 FWL	13	P&A	2/25/1948	8/29/1948	3802		Yates- 7 Rivers	8 5/8 @ 176' w/ 150 sx 5 1/2" @ 3657' w/100 sx	Surf. 3085'	OH 3657- 3802'	195 qts nitro	75 BOPD
7	Rasmussen	State #5	2534	1980 FSL 1980 FEL	13	T&A	8/30/1941 8/15/1968	10/28/1941 8/20/1968	3691' 3794'	NA	Yates- 7 Rivers	15 1/2" @ 97' w/ 150 sx 7" @ 3449 w/300 sx	Surf. 1756'	3449-3691' 3685-3794'	Natural	1320 BOPD & 300 MCF 110 BOPD
8	Wilson Oil Co	State #7	2536	1980 FSL 1980 FWL	13	P&A	12/7/1941	2/26/1942	3795'	NA	Yates- 7 Rivers	15 1/2" @ 110' w/175 sx 7" @ 3543' w/300 sx	Surf. 1583'	OH 3543-3785	shot 265 qts	IPF 60 BOPD 12 hrs on 15/64" ck
9	Rasmussen	State #8	2537	2310 FEL 990 FSL	13	T&A	1/18/1942	3/12/1942	3760'	3752'	Yates- 7 Rivers	15 1/2" @ 130' w/150 sx 7" @ 3,442' w/300 sx	Surf. 1482'	OH 3442- 3752'	NA	IPF 1250 BOP 6 hrs.
10	Rasmussen	State #10	2539	660 FSL 1980 FWL	13	SI	3/20/1942	5/27/1942	3842'	NA	Yates- 7 Rivers	12 1/2" @ 675' w/117 sx 7" @ 3,453' w/300 sx	339' 1493'	OH 3453- 3842'	NA	NA
11	Wilson Oil Co.	State #11	2540	1980 FNL 660 FWL	13	D & A	2/23/1944		3860'	NA	Yates- 7 Rivers	15 1/2" @ 107' w/150 sx	Surf.			
12	Marks & Garner	State #13	2533	1980' FNL 660' FEL	13	P&A	6/5/1941	8/11/1941 12/15/1952	3765' 4139'	3870'	Yates- 7 Rivers	16" @ 114' w/ 80 sx 7" @ 3525' w/ 300 sx 5 1/2" Lnr @ 3930' w/200 sx	Surf. 1185'	3831-55	NA	76 BOPD 6 BWPD 720 BOPD

	OPERATOR	CURRENT WELL NAME	API # 30-025	LOC'N	S-T-R T-21-S R-34-E	STATUS	SPUD DATE	COMP DATE	TD	PBTD	ZONE	CASING PROGRAM	TOC (Calc.)	COMP. INTERVAL	TRTMT.	IP
13	Rasmussen	State #14	2543	2310' FSL 990' FWL	13	Prod	7/22/1944	10/13/1944	3836'	NA	Yates- 7 Rivers	15 1/2" @ 140' w/150 sx 7" @ 3700' w/150 sx	Surf. 2530'	OH 3700- 3836'	Natural	350 BOPD
14	Wilson Oil Co.	State #15	2544	990' FSL 990' FWL	13	P&A	10/29/1944	1/10/1945	3815'	3810'	Yates- 7 Rivers	16" @ 120' w/150 sx 7" @ 3705' w/300 sx	Surf. 1365	3745-3810'	A/500	500 BOPD
15	Wilson Oil Co.	Amerada State #3	2531	2310' FNL 1650 FEL	13	T&A	4/6/1961 5/27/1970	5/30/1961	3773' 3796'	NA	Yates- 7 Rivers	8 5/8" @ 175' w/125 sx 4 1/2" @ 3686' w/175 sx	Surf. 2243'	3686-3773' 3791-96'	A/1500 OH	34 BOPD 7 BO & 80 BWPD
16	Wilson Oil Co.	State #40	2545	990' FSL 2310' FWL	13	P&A	2/20/1950	4/8/1950	3777'	NA	Yates- 7 Rivers	15" @ 237' w/150 sx 7" @ 3643' w/500 sx	115' Surf.	OH 3643- 3777'	Natural	2400 BOPD
17	Rasmussen	State #41	2546	2310 FNL 1270 FWL	13	Act	4/20/1950	6/13/1950	3811'	3805'	Yates- 7 Rivers	16" @ 246' w/175 sx 7" @ 3667' w/500 sx	Surf. Surf.	3661-3805'	A/500	72 BOPD
18	Rasmussen	State #42	2547	2310' FSL 2310 FEL	13	T&A	7/22/1955 11/24/1981	9/30/1955 1/15/1982	3671' 3808'	 3780'	Yates- 7 Rivers	16" @ 115' w/100 sx 7" @ 3577' w/400 sx 4 1/2" @ 3808' w/200 sx	Surf. 456' 1709'	3577-3671' 3765-73'	 A/250	123 BOPD
19	Rasmussen	Kaiser State #44	32741	2310' FNL 2310' FWL	13	T&A	12/13/1994	1/18/1995	4190'		Yates- 7 Rivers	10 3/4" @ 404 w/340 sx 7 5/8" @ 4190' w/500 sx	Surf. 1369'	3800-3806'	Natural	73 BO, 45 MCFPD 2700 BW
20	Maynard Oil Co	Wilson Deep Unit #2Y	35551	660' FNL 680' FWL	13	Act	5/11/2001	9/19/2001	12945	12483	Morrow	13 3/8" @ 1417' w/ 1035 sx 9 5/8" @ 5304' w/ 2850 sx 5 1/2" @ 12945' w/ 435 sx	Surf. Surf. 11240'	12090-100	2000 gal acid	50 BOPD 0 BWPD 1961 MCFPD
21	Rasmussen	San Simon SWD #1	28495	1325' FNL 650' FEL	13	P&A	12/20/1983	2/5/1984	4175'	3600'	Yates- 7 Rivers	9 5/8" @ 402' w/167 sx 5 1/2" @ 3638' w/333 sx	Surf. Surf.	OH 3638- 4175'	38000# 10/20 sd & 21000 gal gelled wtr	50 BOPD , 5 MCFPD 150 BWPD
22	Dorchester Exploration	Wilson State Com #1	24587	1980' FSL 990' FEL	13	P&A	11/23/1973	2/8/1974	12591'	11965'	Morrow Strawn	13 3/8" @ 510' w/500 sx 9 5/8" @ 5505' w/500 sx 5 1/2" @ 12416' w/500 sx	Surf. 3926' 10258'	12,241-303' 12100-12109' 11156-11344'	A/4000 gals A/7000 gal	Wet IPF 14 BOPD, 264 BOPD & 320 MCFD
23	Rasmussen	State B #12	2541	990' FEL 1650' FSL	13	SI	1/17/1944	3/12/1944	3894'	3695'	Yates- 7 Rivers	16" @ 95' w/140 sx 7" @ 3725' w/280 sx	Surf. 2136'	3585-92'	Natural	1280 MCFD
24	Wilson Oil Co	Wilson State #6	2535	1980' FSL 660' FEL	13	P&A	10/29/1941	1/10/1942	3895'	NA	NA	16" @ 104' w/250 sx	Surf.	Dry Hole	NA	NA

FORM	TOP



AMERADA STATE #1

CURRENT WELLBORE DIAGRAM

WILSON OIL CO.

SU-T-R 990 FNL & 1650 FEL 13-21S-34E	**API #:** 30-025-02529
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	

15 1/2" @ 113'
w/75 sx Cmt

P&A 2/67
25 sx @ 3,660-3,780'
25 sx @ top 7" @ 608'
25 sx @ base of 16" @ 110'
10 sx surface plug.

CASING			
Pipe	15 1/2"	7"	5 1/2"
Depth	113'	3,479'	3,917'
Cement	80 sx	250 sx	200 sx

7" TOC @ 615' (calc)

5 1/2" TOC @ 2,775' (calc)

YATES-7 RVRS ZONE HISTORY
12/30/52 Spud. **2/23/53** Initial Completion **Perforated** 3,820-3,830' **IP** 60 BOPD, 9 BWPD

7" @ 3,479' w/250 sx Cmt

Perfs: 3,820-30'

5 1/2" @ 3,917' w/200 sx Cmt

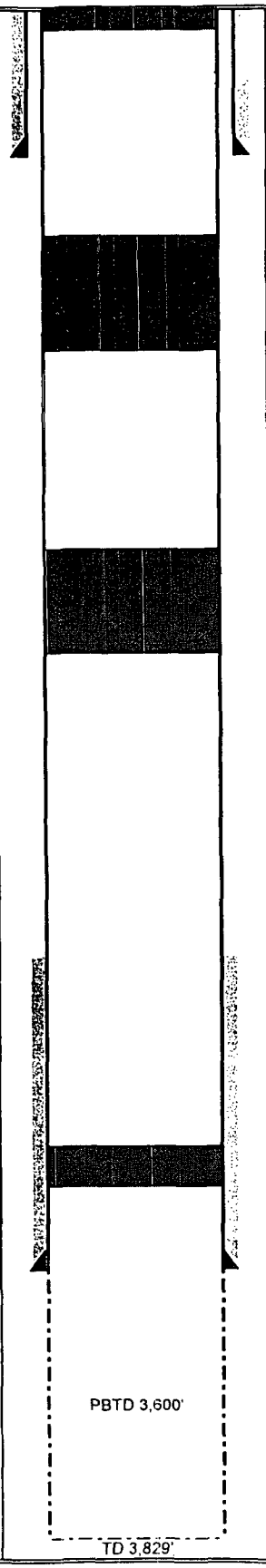
AMERADA STATE #2

CURRENT WELLBORE DIAGRAM

WILSON OIL CO.

SU-T-R 1980 FNL & 1980 FEL 13-21S-34E	**API #:** 30-025-02530
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	

FORM	TOP



16" @ 101'
w/150 sx Cmt.

P&A 11/79
50 sx cmt 3,350-3,340'
35 sx 1.600-1,421'
60 sx 450-347'
13 sx @ surface

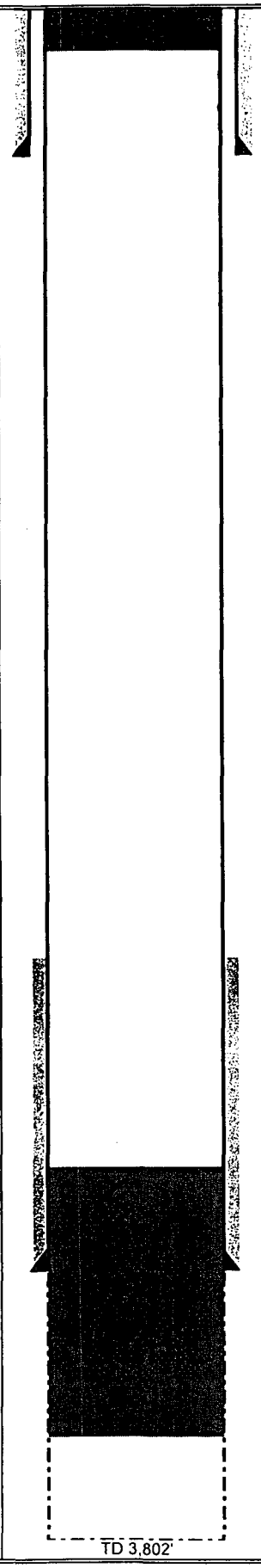
CASING		
Pipe	16"	7"
Depth	101'	3,450'
Cement	150 sx	300 sx

YATES-7 RVRS ZONE HISTORY
9/24/41 Initial Completion **Open Hole** 3,450-3,600' **Natural** **IP** 728 BOPD

TOC @ 2,370' (calc)

7" @ 3,450' w/300 sx Cmt

FORM	TOP



8 5/8" @ 176'
w/150 sx Cmt,
TOC @ surface

TOC @ 3,085' (calc)

5 1/2" @ 3,657' w/100 sx Cmt

STATE B #1

CURRENT WELLBORE DIAGRAM

C H SWEET

SU-T-R	990 FNL & 2310 FWL 13-21S-34E	**API #:** 30-025-02528
FIELD:	WILSON	
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS:	P&A	

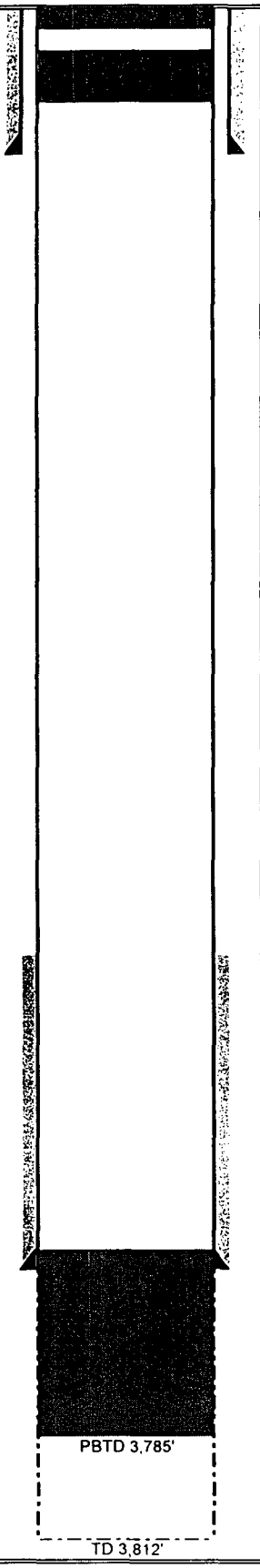
P&A
30 sx cmt @ 3,596' to 3,796'
Cmt marker @ surface.

CASING		
Pipe	8 5/8"	5 1/2"
Depth	176'	3,657'
Cement	150 sx	100 sx

YATES-7 RVRS ZONE HISTORY

2/25/48 Spud. **8/29/48** Initial Completion
Open Hole 3,657-3,802'
IP 75 BOPD

FORM	TOP



16" @ 101'
w/175 sx Cmt

TOC @ 2,463' (calc)

7" @ 3,543' w/300 sx Cmt

STATE #7

CURRENT WELLBORE DIAGRAM

WILSON OIL CO

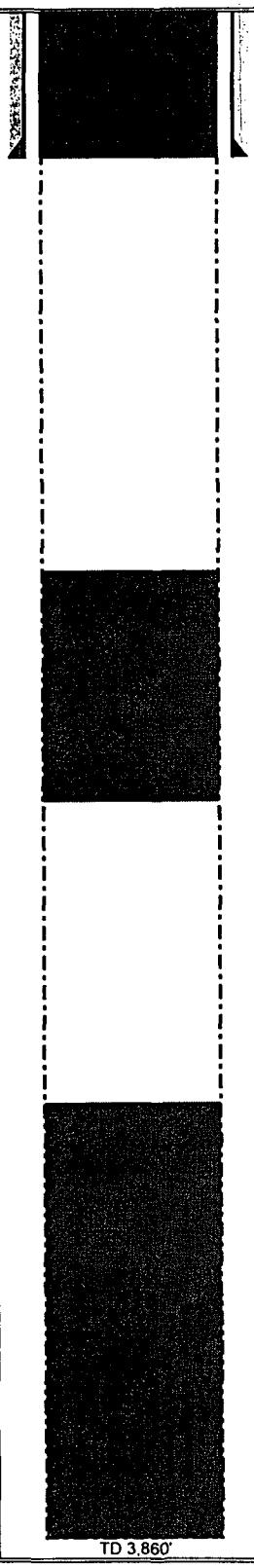
SU-T-R	1980 FSL & 1980 FWL 13-21S-34E	**API #:**	30-025-02536
FIELD:	WILSON		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A		

P&A 5/5/71
50 sx cmt & 50 gal pea gravel 3,545-3,785'
Top jt of 7" unscrewed, pmp 25 sx @ top of 7"
15 sx @ surface

CASING		
Pipe	16"	7"
Depth	101'	3,543'
Cement	175 sx	300 sx

YATES-7 RVRS ZONE HISTORY
12/7/41 Spud. **2/26/42** Initial Completion **Open Hole** 3,543-3,785' IP 120 BOPD

FORM	TOP



STATE #11

CURRENT WELLBORE DIAGRAM

WILSON OIL CO

SU-T-R 1980 FNL & 660 FWL 13-21S-34E	**API #:** 30-025-02540
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	

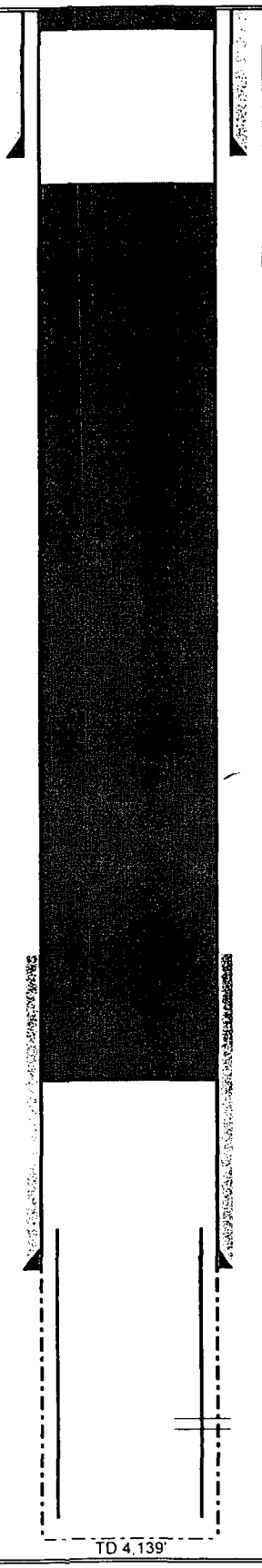
P&A 5/5/45
Cmt plug 3,860-3,340' w/144 sx.
Cmt plug 1,750-1,550' w/100 sx.
Cmt plug 110' to surface.

CASING		
Pipe	15 1/2"	
Depth	107'	
Cement	150 sx	

YATES-7 RVRS ZONE HISTORY

2/23/44 Spud. 5/5/44 Initial Completion
D&A

FORM	TOP



16" @ 113'
w/80 sx Cmt,
TOC @ surface

TOC @ 1,185' (calc)

7" @ 3,529' w/250 sx Cmt

Perfs: 3,744-52'

5 1/2" liner to 3,930'

SHELL A STATE #13

CURRENT WELLBORE DIAGRAM

MARKS & GARNER

SU-T-R 1980 FNL & 660 FEL 13-21S-34E	**API #:** 30-025-02533
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	

P&A 2/7/85
Ran 6 jts tbg & pmpd 380 sx cmt. (This amt of cmt should be sufficient to fill 7" csg from 180' to 2,437'.)
LD 4 jts tbg & pmpd 20 sx cmt.
Install dry hole marker.

	CASING		LINER
Pipe	16"	7"	5 1/2"
Depth	113'	3,529'	3,930'
Cement	80 sx	250 sx	200 sx

YATES-7 RVRS ZONE HISTORY

7/26/41 Spud. **8/4/41** Initial Completion
Open Hole 3,529-3,765'
Shot w/205 qts nitro
IP 300 BOPD, 0 BWPD
12/15/52 Deepen well to 4,139'. Ran a 5 1/2" liner to 3,930' cmt w/200 sx.
Perforated 3,744-52'

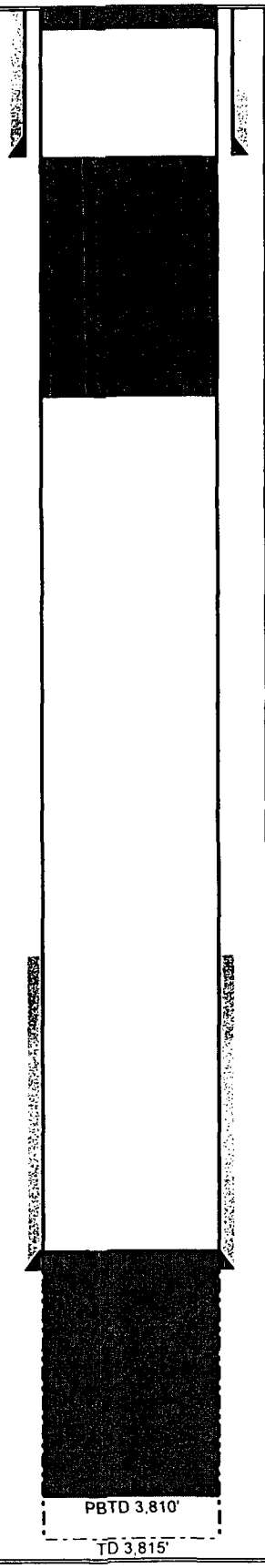
FORM	TOP

STATE 15

CURRENT WELLBORE DIAGRAM

WILSON OIL CO.

SU-T-R	990 FSL & 990 FWL 13-21S-34E	**API #:**	30-025-02544
FIELD:	WILSON		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A		



16" @ 122'
w/150 sx Cmt,
TOC @ surface

P&A 3/21/71
50 sx cmt & 50 gal pea gravel @ 3700-3810'
Pulled 172' 7" csg
35 sx cmt @ top of 7" & base of 16"
15 sx cmt @ surface w/dry hole marker.

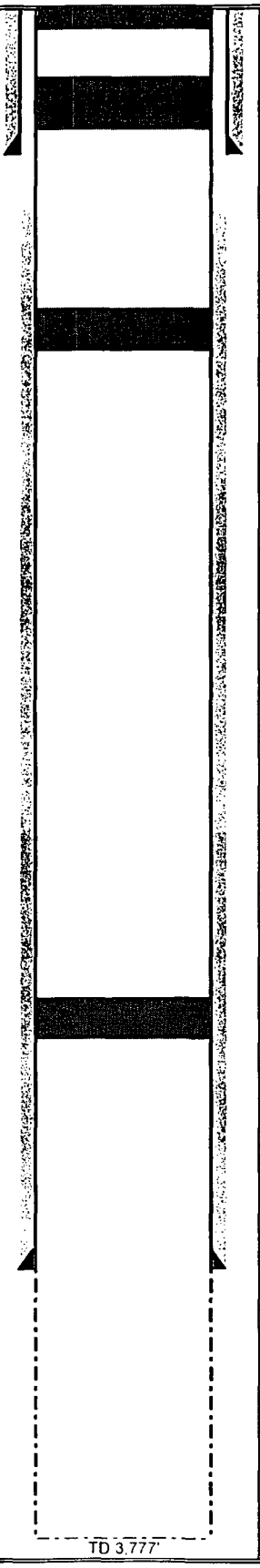
CASING		
Pipe	16"	7"
Weight	70#	20#
Depth	122'	3,714'
Cement	150 sx	300 sx

YATES-7 RVRS ZONE HISTORY
10/29/44 Spud. **1/10/45** Initial Completion
Open Hole 3,705-3,810'
Acidized w/1500 gal acid
IP 500 BOPD

TOC @ 1,365' (calc)

7" @ 3,714' w/300 sx Cmt

FORM	TOP



15" @ 237'
w/150 sx Cmt.

TOC @ 376' (calc)

7" @ 3,643' w/500 sx Cmt

STATE 40

CURRENT WELLBORE DIAGRAM

WILSON OIL CO.

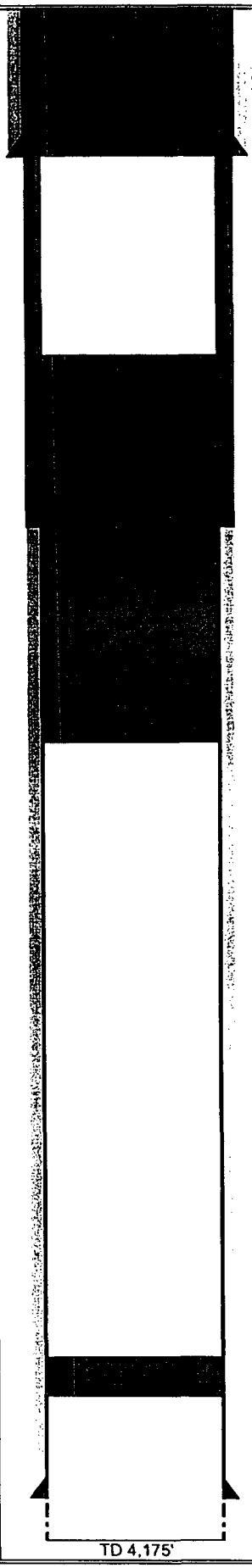
SU-T-R 990 FSL & 2310 FWL	**API #:** 30-025-02545
13-21S-34E	
FIELD: WILSON	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	

P&A
25 sx cmt 3,400-3,510'
25 sx cmt @ 807'
25 sx cmt @ 225'
10 sx cmt @ surface

CASING		
Pipe	15"	7"
Depth	237'	3,643'
Cement	150 sx	500 sx

YATES-7 RVRS ZONE HISTORY
2/20/50 Spud. **4/8/50** Initial Completion
Open Hole 3,643-3,777'
Natural
IP 2400 BOPD

FORM	TOP



150 sx @ 410' to surf.

9 5/8" @ 402'
w/167 sx Cmt,
Circ 20 sx

60 sx @ 1,589-1,750'

Ppd 120 sx @ 2,000' w/tag @ 1,765'

Ppd 520 sx @ 2,180', no tag

25 sx @ 3,600'

5 1/2" @ 3,638' w/333 sx Cmt, TOC @ 1,717' calc

SAN SIMON SWD #1

CURRENT WELLBORE DIAGRAM

Hal J. Rasmussen Operating, Inc.

SU-T-R	13H-21S-34E	**API #:**	30-025-28495
POOL:	YATES-7 RVRS		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	8/12/2005 BY RSL		

LOG ELEVATION: N/R
GROUND ELEVATION: 3,668'

	CASING		LINER	TUBING
Hole	12 1/2"	7 7/8"		
Pipe	9 5/8"	5 1/2"		
Weight	40#	14#		
Grade	N-80	J-55		
Thread				
Depth	402'	3,638'		
Mud wt				

LOGS			
Electric Log			2/6/1984

TAN-YATES-7 RVRS ZONE HISTORY

12/20/83 Spud. **2/5/84** Initial Completion
Open hole 3,638-3,775'
4/4/84 Deepened to 3,821'. PB w/10 sx sand capped w/10' cmt.
5/12/05 Spot 25 sx @ 3,600'
Spot 640 sx cmt, tag TOC @ 1,765'.
Circ MLF. Sqz 60 sx under pkr @ 1,500' thru perfs @ 1,750', tag TOC @ 1,589'
Sqz 60 sx under pkr @ 190' thru perfs @ 452', tag TOC @ 452'.
Sqz 150 sx down 5 1/2" csg thru perfs @ 410' w/cmt circ to surf up 5 1/2" x 9 5/8" annulus.
Cut off wellhead, install dry hole marker.

WILSON STATE COM #1

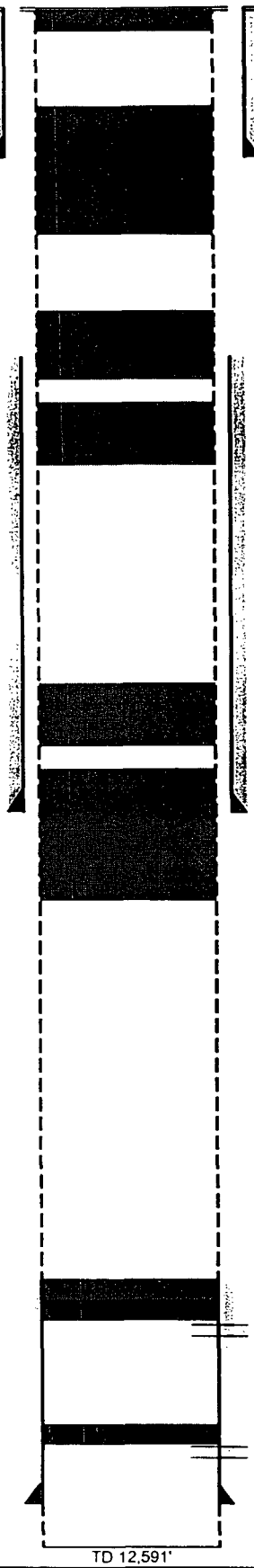
CURRENT WELLBORE DIAGRAM

Dorchester Exploration, Inc.

SU-T-R	13I-21S-34E	**API #:**	30-025-24587
POOL:			
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	8/15/2004 BY RSL		

LOG ELEVATION:	N/R
GROUND ELEVATION:	3,651'

FORM	TOP



Plug 1' to surface

384 sx @ 817-450'

13 3/8" @ 510'
w/500 sx Cmt, Circ

60 sx @ 1,648-1,520'

Cut 9 5/8" @ 1,600' & pulled

60 sx @1,858-1,694'

15 sx @ 5,400-5,360'

9 5/8" @ 5,505'
w/500 sx Cmt, TOC 3,905' calc

Cut 5 1/2" @ 5,574' & pulled

Cmt plug 5,700-5,450'

CIBP @ 11,100' w/35' cmt on top
PERFS: 11,156-11,344'

CIBP @ 12,000' w/4 sx cmt - PBTD 11,965'
PERFS: 12,100-12,109'
PERFS: 12,241-303', sqzd w/100 sx
5 1/2" @ 12,416' w/ 500 sx Cmt, TOC 9,531' calc

TD 12,591'

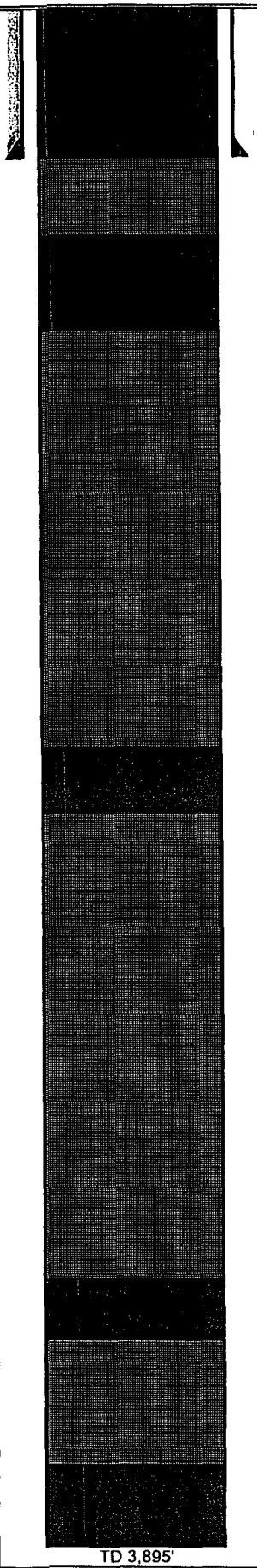
CASING				TUBING
Hole	17"	12 1/4"	8 1/2"	
Pipe	13 3/8"	9 5/8"	5 1/2"	
Weight	48, 68#	36, 40.5, 43.5#	17, 20#	
Grade	J-55	K-55, YS-95, N-80	N-80	
Thread				
Depth	510'	5,505'	12,416'	
Mud wt				

LOGS			

TAN-YATES-7 RVRS ZONE HISTORY

11/23/73 Spud. **2/8/74** Initial Completion
Perforated 12,241-303' w/24 shots
Spzd perfs 12,241-303' w/100 sx
Perforated 12,100-109'
5/16/78 CIBP @ 12,000' PBTD 11,965' w/4 sx cmt
5/19/78 Perforate 11,156-11,344' (69 holes)
6/28/79 P&A
CIBP @ 11,100' w/35' cmt on top
Cut off 5 1/2" csg @ 5,574' & pulled.
Cmt plug @ 5,700-5,450', tagged bottom @ 5,400'
Spotted 15 sx plug from 5,400-5,360'
Cut off 9 5/8" csg @ 1,830', unable to pull
Cut off @ 1,600' & pulled
Pumped 60 sx plug from 1,858-1,694'
Pumped 60 sx plug from 1,648-1,520'.
Pumped 384 sx from 817-450'.
Put 1' to surface.
Placed dry hole marker.

FORM	TOP



120 sx 100'-surface

Mudded 240-100'

15 1/2" @ 97'
w/250 sx Cmt

40 sx 280-240'

Mudded 1,600-280'

25 sx 1,660-1,600'

Mudded 3,340-1,660'

25 sx 3,400-3,340'

Mudded 3,670-3,400'

50 sx 3,895-3,670'

TD 3,895'

WILSON STATE #6

CURRENT WELLBORE DIAGRAM

Wilson Oil Company

SU-T-R 13I-21S-34E	**API #:** 30-025-02535
POOL:	
CO, ST: LEA, NEW MEXICO	**LAND TYPE:** STATE
STATUS: P&A	**ACREAGE**
LATEST RIG WORKOVER:	
DIAGRAM REVISED: 8/15/2005 BY RSL	

LOG ELEVATION: N/R
GROUND ELEVATION: 3,656'

	CASING		LINER	TUBING
Hole	19"			
Pipe	15 1/2"			
Weight	70#			
Grade				
Thread	10			
Depth	97'			
Mud wt				

LOGS			

TAN-YATES-7 RVRS ZONE HISTORY

10/29/41 Spud. **1/10/42** Initial Completion
1/15/42 P&A
50 sx from 3,895-3,670'
Mudded from 3,670-3,400'
Bridged & cmtd w/25 sx to 3,340'
Mudded from 3,340-1,660'.
Bridged & cmtd w/25 sx to 1,600'.
Mudded from 1,600-280'
Bridged & cmtd w/40 sx 280-240'
Mudded from 240-100'
Bridged & pmpd rest of way w/cmt 120 sx.
Set marker

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 34E Sections: 11,12,13,23,24

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

WELL / SURFACE DATA REPORT 04/08/2004

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q
CP 00668	STK	0	MERCHCUT LIVESTOCK CO.	CP 00668 EXP		21S	34E	23	4	4	

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 35E Sections: 7,18,19

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

WELL / SURFACE DATA REPORT 04/08/2004

DB File Nbr	Use (acre ft per annum)	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q q q (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest

No Records found, try again

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

_____ weeks.

Beginning with the issue dated

September 2 2005

and ending with the issue dated

September 2 2005

Kathi Bearden

Publisher

Sworn and subscribed to before me this 2nd day of September 2005

Notary Public.

My Commission expires
February 07, 2009
(Seal)

OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: _____

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
September 2, 2005

This is to advise all parties concerned, Mesquite SWD, Inc. seeks permission to inject salt water into the following well:

Kaiser State #44
2310' FNL & 2310' FWL
Section 13, T-21-S, R-34-E
Lea County, New Mexico

The formation to be injected into is the Yates - -Seven Rivers Formations at the following intervals:
3560-90', 3615-19', 3638-44', 3770-76', 3788-92' & 3800-06'

The maximum expected injection rate is 6000 BWPD per well at a maximum injection pressure of 712 psi. Questions can be addressed:

Lee Engineering
P.O. Box 10523
Midland, Tx. 79702
Attn: Robert Lee
(432) 682-1251

Interested parties must file objections or requests for hearing within 15 days of this notice to the:

Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

#21771

02102084000 67533033
LEE ENGINEERING
P.O. BOX 10523
MIDLAND, TX 79702

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Devon SFS
P O BOX 60210
Midland TX 79711-0210

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☒ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery 12-05

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

MIDLAND TEXAS DEC 2 2005 USPS

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 2057

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

New Mexico State Land Office
P O Box 1148
Santa Fe, NM 87504-1148

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

SANTA FE NM 87501

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1869

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Maynard Oil Co.
1600 Broadway Ste 2200
Denver CO 80202-4921

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☒ Addressee

B. Received by (Printed Name) C. Date of Delivery 9-15-5

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1876

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Marks & Garner Production Co
P O Box 70
Lovington NM 88260

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) LINDA MARKS | C. Date of Delivery 9/1/05

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1838

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hal Rasmussen Operating Inc.
550 W Texas, Ste 500
Midland TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Robertson | C. Date of Delivery 9-1

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 2033

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Nearburg Production Co
3300 N A St, Bldg 2, Ste 120
Midland TX 79705-5421

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Patty Cooper | C. Date of Delivery 9/1/05

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 2040

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Forest Oil Corporation
P O Box 849746
Dallas TX 75284

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) SEP | C. Date of Delivery 0 2 2005

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1845

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Gruy Petroleum Management Co
3300 N A St, Bldg 8, Ste 120
Midland TX 79705

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Kindell Carter ☐ Agent ☐ Addressee

B. Received by (Printed Name) Kindell Carter | C. Date of Delivery 9-2

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1852

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Kaiser- Francis Oil Co
P O Box 21468
Tulsa OK 74121-1468

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) A MAIL CALL STANLEY ALLEN | C. Date of Delive

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandi
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 1821

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

ENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

. Article Addressed to:

ConocoPhillips
P O BOX 791
Midland TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 2064

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tom Brown Drilling
14001 Dallas Pkwy, Ste 1000
Dallas, TX 75240

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addresse

B. Received by (Printed Name) S Thompson | C. Date of Deliver 9-2-03

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandi
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 1160 0000 4928 2019

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

Entered January 13, 1969
A.L.P.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4015
Order No. R-3657

APPLICATION OF WILSON OIL COMPANY
FOR SALT WATER DISPOSAL, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 8, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 13th day of January, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Wilson Oil Company, is the owner and operator of the following wells in the Wilson Yates-Seven Rivers Pool, Lea County, New Mexico:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM

Wilson State Well No. 9 located in Unit F of Section 13;
Shell State Well No. 13 located in Unit H of Section 13;
Wilson State Well No. 8 located in Unit O of Section 13;
Wilson State Well No. 20 located in Unit B of Section 23;
Wilson State Well No. 21 located in Unit J of Section 23;

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Wilson State Well No. 1-A located in Unit G of Section 7.

(3) That the applicant proposes to utilize said wells to dispose of produced salt water into the Yates and Seven Rivers formations, with injection into the intervals as follows:

The open-hole interval from approximately 3601 feet to 3781 feet in the Wilson State Well No. 9;

The perforated and open-hole interval from approximately 3778 feet to 4139 feet in the Shell State Well No. 13;

The open-hole interval from approximately 3442 feet to 3775 feet in the Wilson State Well No. 8;

The open-hole interval from approximately 3720 feet to 3965 feet in the Wilson State Well No. 20;

The open-hole interval from approximately 3602 feet to 3749 feet in the Wilson State Well No. 21; and

The open-hole interval from approximately 3822 feet to 3846 feet in the Wilson State Well No. 1-A.

(4) That injection into each of the above-described wells down the casing should be permitted provided said produced water is continuously treated prior to injection to prevent corrosion.

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

(6) That the applicant further seeks the establishment of an administrative procedure whereby additional wells in the Wilson Yates-Seven Rivers Pool could be placed on salt water disposal.

(7) That an administrative procedure should be established for the approval of additional salt water disposal wells in the Wilson Yates-Seven Rivers Pool, provided that such additional salt water disposal wells are completed in a manner similar to the subject wells.

IT IS THEREFORE ORDERED:

(1) That the applicant, Wilson Oil Company, is hereby authorized to utilize its following-described wells in the Wilson Yates-Seven Rivers Pool, Lea County, New Mexico, to dispose of produced salt water into the Yates and Seven Rivers formations, with injection to be accomplished as follows:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM

Wilson State Well No. 9 located in Unit F of Section 13, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3601 feet to 3781 feet;

Shell State Well No. 13 located in Unit H of Section 13, injection to be accomplished down the casing, with injection into the perforated and open-hole interval from approximately 3778 feet to 4139 feet;

Wilson State Well No. 8 located in Unit O of Section 13; injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3442 feet to 3775 feet;

Wilson State Well No. 20 located in Unit B of Section 23, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3720 feet to 3965 feet;

Wilson State Well No. 21 located in Unit J of Section 23, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3602 feet to 3749 feet;

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Wilson State Well No. 1-A located in Unit G of Section 7, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3822 feet to 3846 feet;

PROVIDED HOWEVER, that said produced salt water shall be continuously treated prior to injection to prevent corrosion.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(3) That as an exception to Rule 701 of the Commission Rules and Regulations, the Secretary-Director is hereby authorized to approve additional salt water disposal wells in the Wilson Yates-Seven Rivers Pool when an application for such authority has been filed and the Secretary-Director determines that approval of the application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights;

PROVIDED HOWEVER, that any such additional salt water disposal well shall be completed in a manner similar to the subject wells, and provided further, that such disposal shall be into the Yates and Seven Rivers formations.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/