



WFX - 282  
New March 30

TENNECO OIL COMPANY • P. O. BOX 1031 • 1800 WILCO BUILDING • MIDLAND, TEXAS 79701

March 13, 1968

New Mexico Oil Conservation Commission  
Mr. A. L. Porter Jr., Secretary Director  
P. O. Box 2088  
Santa Fe, New Mexico

30 MAR 15 AM 3 27

Gentlemen:

*Expanding Jackson West Unit to include*

Tenneco requests Administrative approval to expand its waterflood by converting Unit wells Nos. 55 and 57 to water injection service in the expanded Grayburg-Jackson West Co-op. Unit as originally formed by order No. R-3127 dated October 4, 1966 and expanded by order No. R-3127A which will become effective upon approval of the amendment to the Unit Agreement by all parties.

Well No. 55 is within the boundary of the original Unit. Well No. 57 was drilled and completed as the Sinclair State "A" No. 1-K in Section 16, T-17-S, R-29-E, just outside the original Unit boundary but will be known as Unit Well No. 57 in the expanded Unit boundary.

Fresh water purchased from Double Eagle Corporation will be injected into the San Andres and Upper Grayburg Sands at an estimated rate of 500 barrels per day. All injection intervals are within the vertical limits of the field as defined by the Conservation Committee field rules.

Previous Commission orders pertaining to water injection in the Grayburg-Jackson Co-op. Unit are as follows:

Order No. R-3069 Authorized water injection into Wells Nos. 3, 7, 9 and 15 in Section 28, T-17-S, R-29-E and provided for expansion of waterflood by Administrative approval.

Administrative Order WFX No. 245 Provided for conversion of Wells Nos. 1, 5, 11 and 19 to water injection service.

Administrative Order WFX No. 271 Provided for conversion of Wells Nos. 23, 29, 33, 37, 45 and 39 to water injection service.

TENNECO OIL COMPANY

The following is attached:

1. A plat showing the outline of the original and the expanded boundary of the G-J West Co-op. Unit with the existing injection wells shown in red and the proposed injection wells of this application shown in blue.
2. Logs of Unit Wells Nos. 55 and 57 with completion intervals marked.
3. Diagrammatic sketches of the proposed injection wells showing all casing strings, amount of cement used, intervals to be injected into, tubing, type and location of packer, and other pertinent information.

We will appreciate your approval of this application as soon as possible.

Very truly yours,

TENNECO OIL COMPANY



F. J. McDonald  
District Production Superintendent

WVP:lr

Attachments

cc: State Engineer Office  
Capitol Building  
Santa Fe, New Mexico

Boyd & Plemmons  
P. O. Box 692  
Artesia, New Mexico

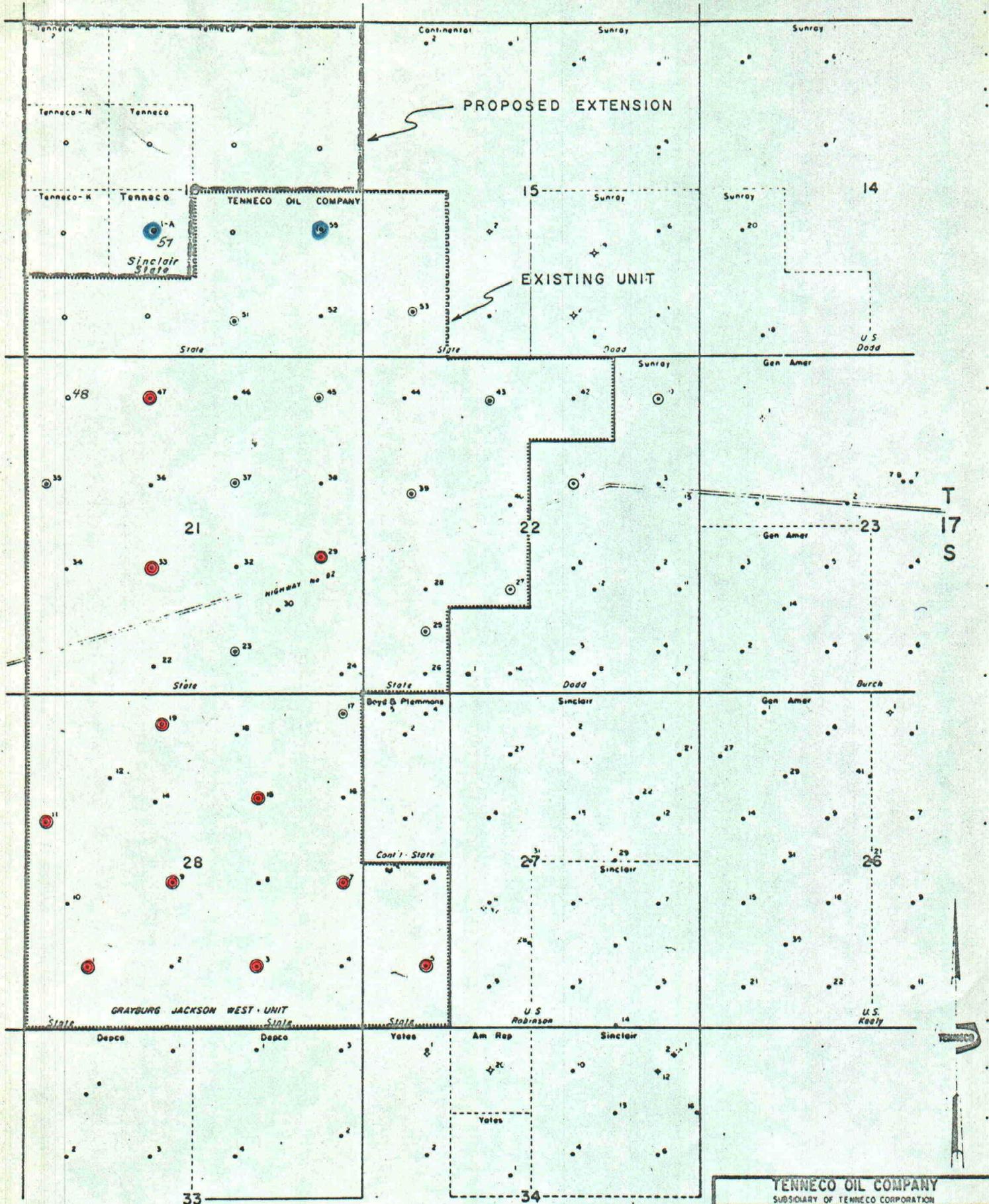
Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico

Depco  
825 Petroleum Club Building  
Denver, Colorado

Sinclair Oil & Gas Co.  
P. O. Box 1470  
Midland, Texas

Sunray DX Oil Company  
P. O. Box 1416  
Roswell, New Mexico

R-29-E



- LEGEND**
- INJECTION WELLS
  - PROPOSED INJECTION WELLS
  - PROPOSED LOCATION

**TENNECO OIL COMPANY**  
 SUBSIDIARY OF TENNECO CORPORATION  
**GRAYBURG JACKSON FIELD**  
 EDDY COUNTY, NEW MEXICO

SCALE IN FEET  
 1000 500 0 1000 2000

8-5/8" OD 28#/ft. csg. set  
@ 349' w/200 sks. cement

Top cement 1625'  
By Temp. survey

2-3/8" OD 4.7#/ft. tbg.

1" non upset tbg.

Top Grayburg 2142'

Tension packer at approx. 2250'

2285'

Perfs.

2426'

Top San Andres 2432'

Seating nipple & hold down

cup type packer at approx. 2480'

Top Lovington 2522'

2530'

Perfs.

2561'

Grayburg Sand Pay

Lovington Pay

Ololitic Pay  
(Open Hole)

TD 2770'

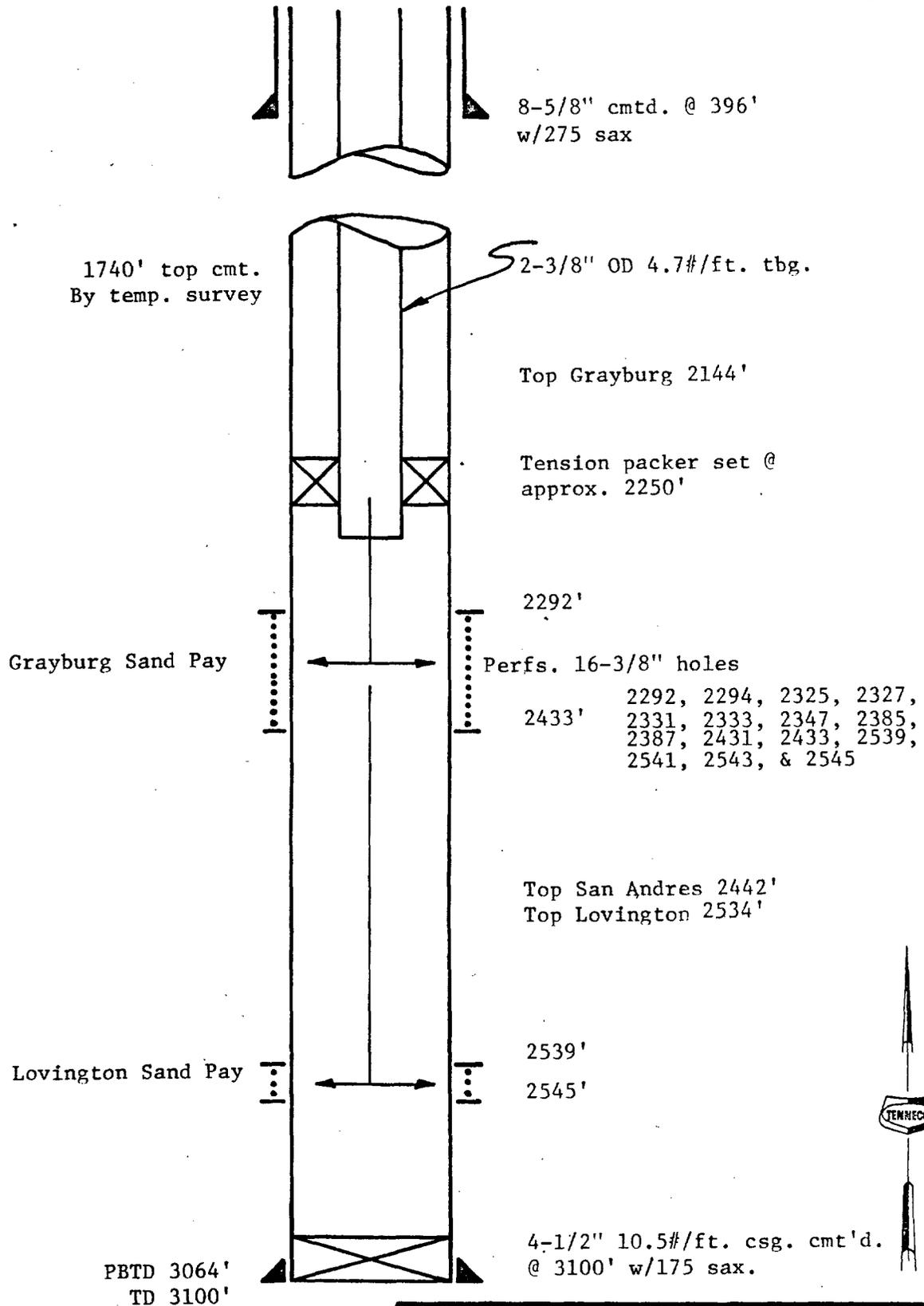
4-1/2" OD 10.5#/ft. csg. set  
@ 2595' w/110 sks. cement



TENNECO OIL COMPANY  
SUBSIDIARY OF TENNECO CORPORATION

PROPOSED INJECTION WELL NO. 55  
GRAYBURG JACKSON WEST UNIT

Grayburg Jackson Field  
T-17-S, R-29-E  
Eddy County, New Mexico



TENNECO OIL COMPANY  
SUBSIDIARY OF TENNECO CORPORATION

PROPOSED INJECTION WELL NO. 57  
(FORMERLY SINCLAIR STATE A NO. 1-K)

Grayburg Jackson West Unit  
Grayburg Jackson Field  
T-17-S, R-29-E  
Eddy County, New Mexico



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March 13, 1968

SFOCC  
Jim Kapteina

No objection to this application  
JFK

New Mexico Oil Conservation Commission  
Mr. A. L. Porter Jr., Secretary Director  
P. O. Box 2088  
Santa Fe, New Mexico

MAIN OFFICE 000

Gentlemen:

'68 MAR 21 PM 1 17

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MAIN OFFICE 000

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'68 MAR 26 AM 8 37

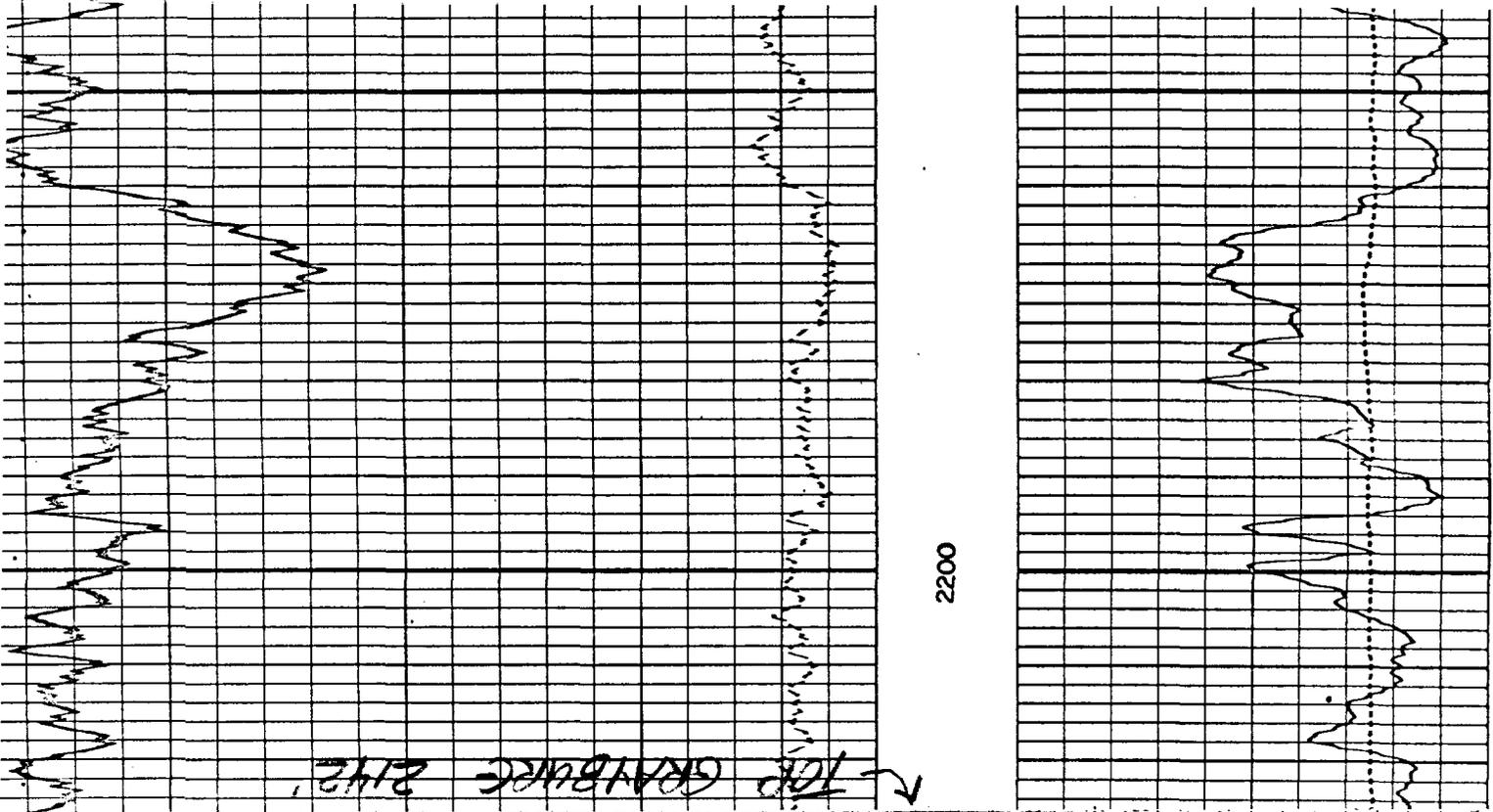
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# Gamma Density Log



FILE NO. COMPANY TENNECO OIL COMPANY

WELL (STATE "K" NO. 16) GJT UNIT NO 55

FIELD GRAYBURG JACKSON

COUNTY EDDY STATE NEW MEXICO

LOCATION: 1980' FSL & 660' FEL Other Services G/N

SEC 16 TWP 17-S RGE 29-E

Permanent Datum GROUND LEVEL Elev. 3568.0  
Log Measured from KELLY BUSHING, 9.0 Ft. Above Permanent Datum  
Drilling Measured from KELLY BUSHING

Elevations:  
KB 3568.0  
DF 3567.0  
GI 3559.0

Date	<u>7-2-66</u>
Run No.	<u>ONE</u>
Type Log	<u>OGG/D</u>
Depth-Driller	<u>2770</u>
Depth-Logger	<u>2770</u>
Bottom Logged Interval	<u>2768</u>
Top Logged Interval	<u>349</u>
Type Fluid in Hole	<u>BRINE WATER</u>
Salinity Ppm Cl.	<u>**</u>
Density lb./Gal.	<u>**</u>
Level	<u>FULL</u>
Max. Rec. Temp. Deg. F	<u>94°</u>
Opr. Rig Time	<u>4.5 HOURS</u>
Recorded By	<u>B. BLAIR W.W.</u>
Witnessed By	<u>MR. EATON</u>

Run No.	Bore Hole Record		Casing Record	
	Bit	To	Size	Wgt. From To
<u>ONE</u>	<u>6 3/4</u>	<u>348</u>	<u>8 5/8</u>	<u>** SURFACE 349</u>

**LANIER WHEELWELLS** (D. Cunningham)

FILE NO. \_\_\_\_\_

COMPANY TENNECO OIL COMPANY

WELL SINCLAIR "A" STATE NO. 1 (UNIT No 57)

FIELD GRAYBURG JACKSON

COUNTY EDDY STATE NEW MEXICO

LOCATION: 1980' FSL & 1980' FWL Other Services F/L

SEC. 16 TWP. 17-S RGE. 29-E

Permanent Datum GROUND LEVEL Elev. 3576 Elevations: KB 3587

Log Measured from K. B., 11 Ft. Above Permanent Datum DF 3586

Drilling Measured from K. B. GI 3576

Date 1-1-68

Run No. ONE

Type Log DENS I LOG

Depth-Driller 3100

Depth-Logger 3107

Bottom Logged Interval 3106

Top Logged Interval 50

Type Fluid in Hole SALT BRINE

Salinity Ppm Cl. SATURATED

Density lb./Gal. FULL

Level FULL

Max. Rec. Temp. Deg. F 91

Opr. Rig Time 2 HOURS

Recorded By ELMORE

Witnessed By MR. FATON

Bore Hole Record		Casing Record	
Run No.	Bit From	To	Size Wgt. From To
1			8 5/8" SURE 385
1	385	T.D.	

