

VIII GEOLOGIC DATA

The zone of interest for this application to inject is the San Andres Formation. In the area of the Lovington San Andres Field, the San Andres formation is approximately 1350' of dolomite; however, only the upper 400' - 500' is productive. The top of the San Andres formation occurs between 4580' and 4670' (log depth) in the Lovington San Andres Field. Attached is a type log from the Lovington San Andres Field. The well log (LSAU #14) is an injection well and shows three main zones within the field unit where water has been injected.

The only known underground source of drinking water in the Lovington San Andres Field area is the Ogalalla Formation. The approximate base of the formation is 200'. No source is known to be immediately underlying the proposed injection interval.

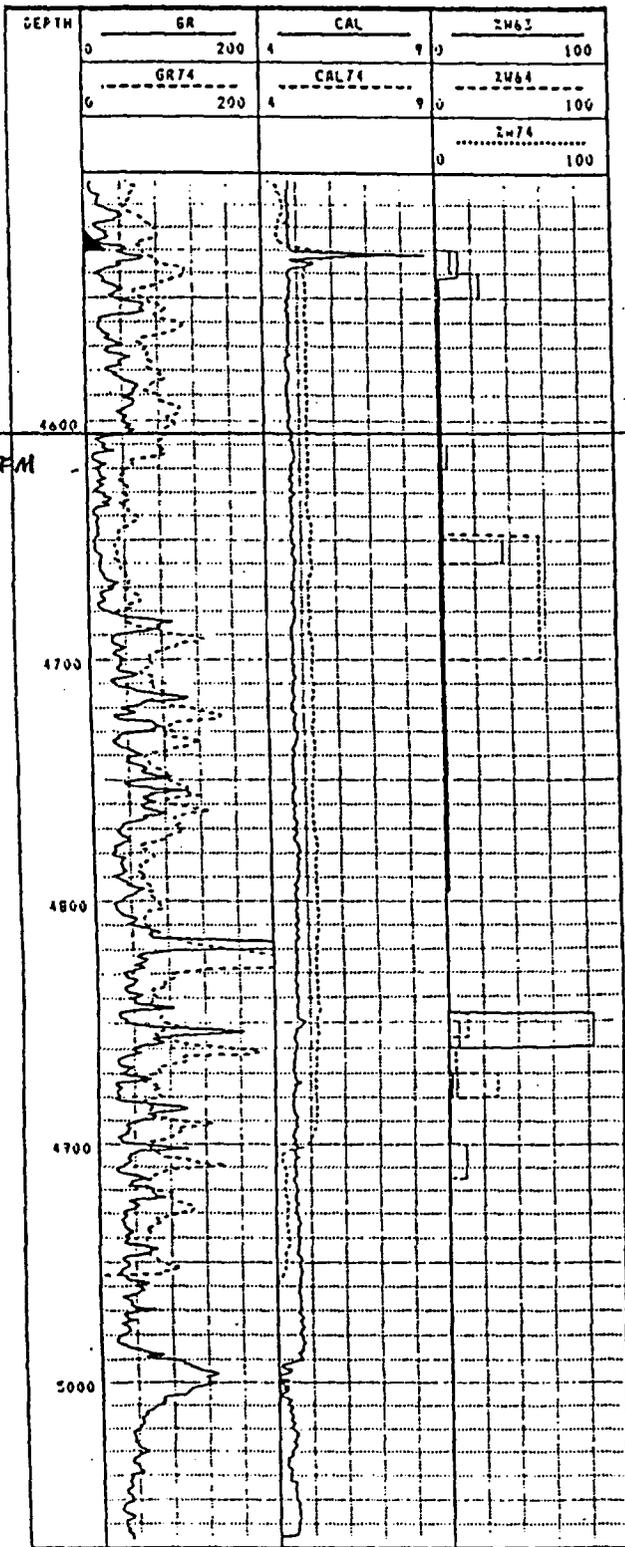
<b>BEFORE EXAMINER CATANACH</b>
<b>OIL CONSERVATION DIVISION</b>
GREENHILL EXHIBIT NO. <u>8</u>
CASE NO. <u>10154</u>

CYPRESS PETROLEUM CONSULTANTS

WELL NAME - SHELLY OIL LSA 814  
 LOCATION - 1966 FSL 990 FSL 1-125-3E L9-  
 WELL DATA - 31 ELEV. OF 2827 TO 2087 5-1/2 4330  
 LOGS - WRIGHT SURVEYS SPECTRO TRACER 5-20-83  
 LOG PARAMETERS-

DATA FILE NAME: LSA14.LGI

DATE OF PLOT: 5/20/1989



TOP SAW ANDRES FM

INJECTION PROFILES

INJECTION PROFILES

INJECTION PROFILES

Case 2593

Unisade - State  
13 SE  
1/13/30 E

COUNTY LL LOCATION STATE COMPANY AREA/FAV/STATE	
DATE COUNTY LOCATION WELL STATE COMPANY	WELL STATE COMPANY LOCATION WELL STATE COMPANY

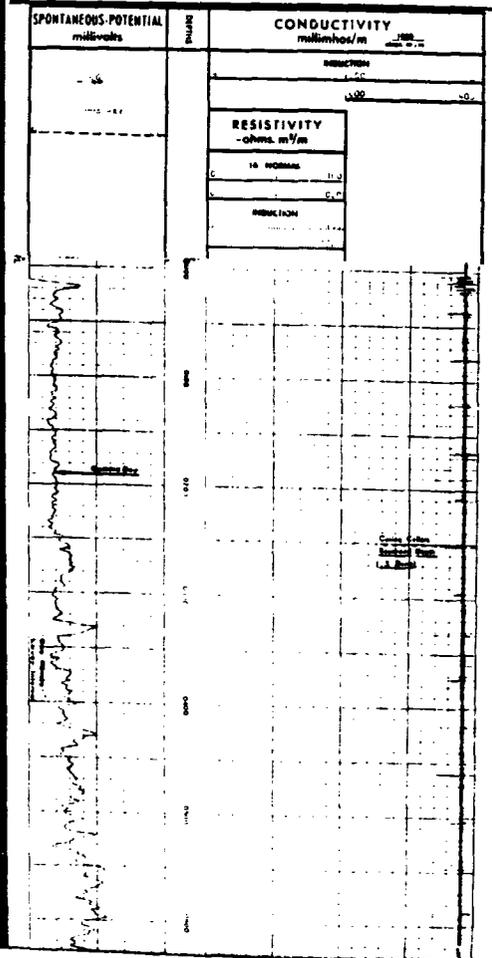
SPONTANEOUS POTENTIAL

CONDUCTIVITY

RESISTIVITY

IN NORMAL

IN NORMAL



Curve  
to  
NENE  
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