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Western Hemisphere Petroleum Division
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November 26, 1974

New Mexico Oil Conservation Commission(3)
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. A. L. Porter Jr., Secretary-Director

Gentlemen:

Application for W.F.X. Order - MCA Unit, Lea County, New Mexico

Continental Oil Company, as operator of the MCA Unit, respectfully requests approval to expand its waterflood project in the Maljamar (Grayburg San Andres) Pool in Lea County, New Mexico, by converting to water injection its Well No. 152 located 1980' FN and WL of Section 28, T-17S, R-32E. It is proposed to inject water into the openhole interval between total depth at 4125' and the shoe of the 5 1/2" casing at 3635'.

As shown by the attached plat, this well is located in the area of the original pilot waterflood project and is needed for pattern improvement in the transition zone between the pilot waterflood and the expanded waterflood. The attached log shows the proposed injection interval. The attached schematic diagram shows the manner in which the well will be equipped for injection. The annular space between tubing and casing above the packer will be filled with an inert fluid and the surface connections will be equipped in such a manner that communication will be readily detectable.

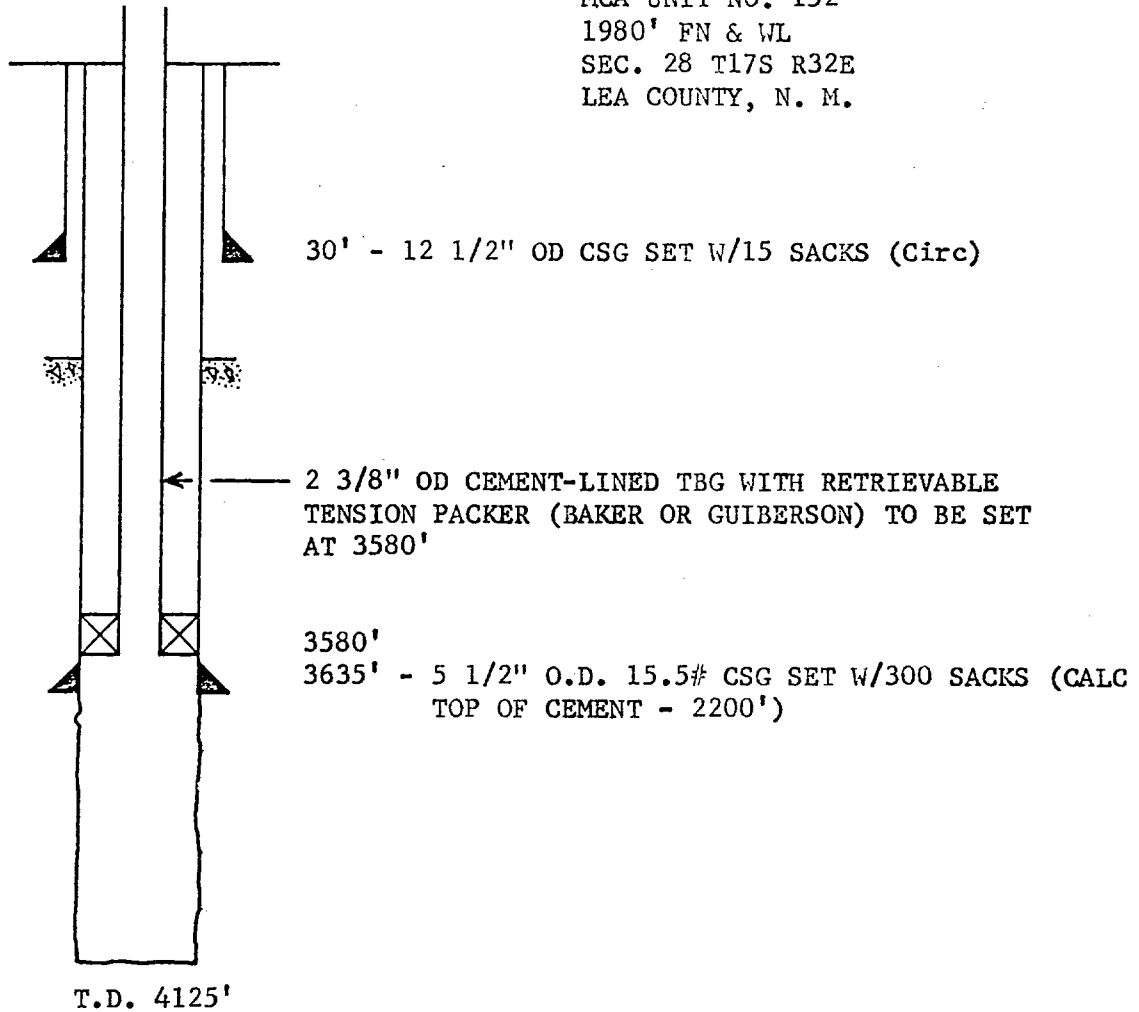
Administrative approval of this application is requested under the authority of Order No. R-2403-A. Since there are no offset operators immediate approval is respectfully requested.

Yours very truly,

VTL:reh
CC:
U.S.G.S.
P. O. Box 1157
Hobbs, New Mexico

JCC: FOH: JWK

MCA UNIT NO. 152
1980' FN & WL
SEC. 28 T17S R32E
LEA COUNTY, N. M.



OPEN HOLE - SHOT: 3743-3803 - 120 QTS.
3862-3938' - 200 QTS.
3986-4110' - 320 QTS.



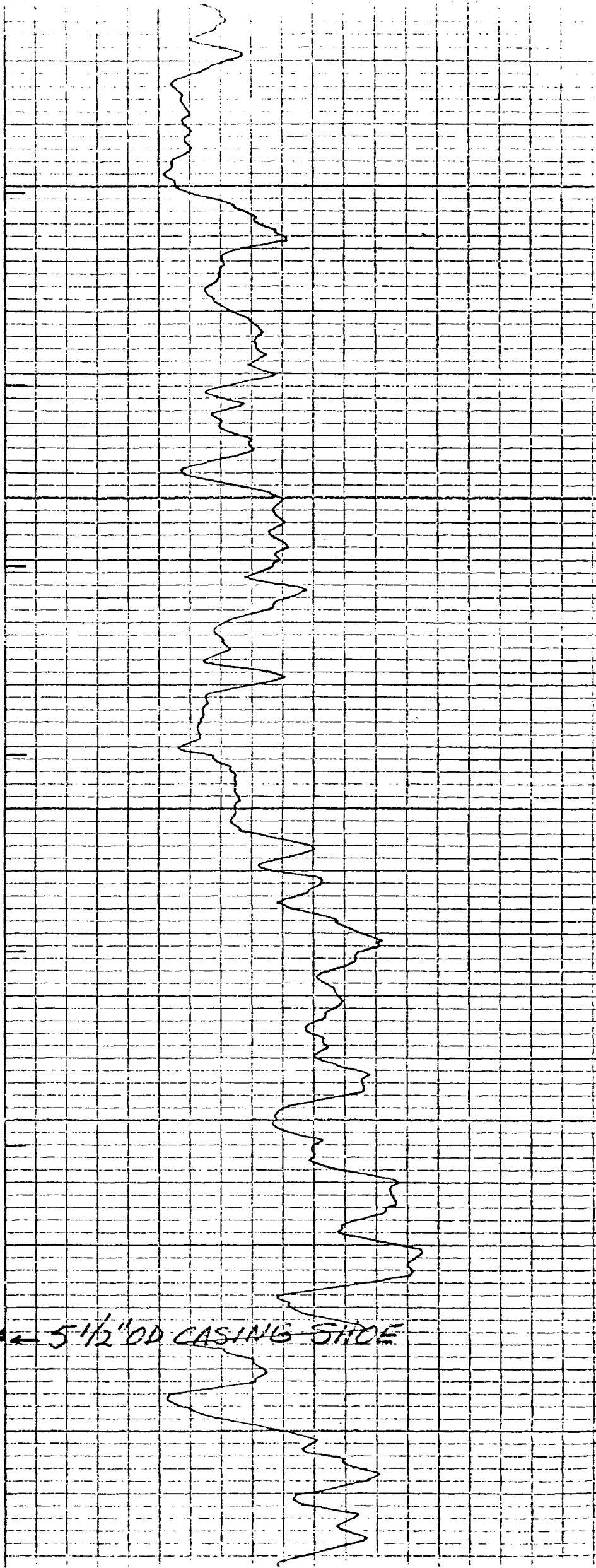
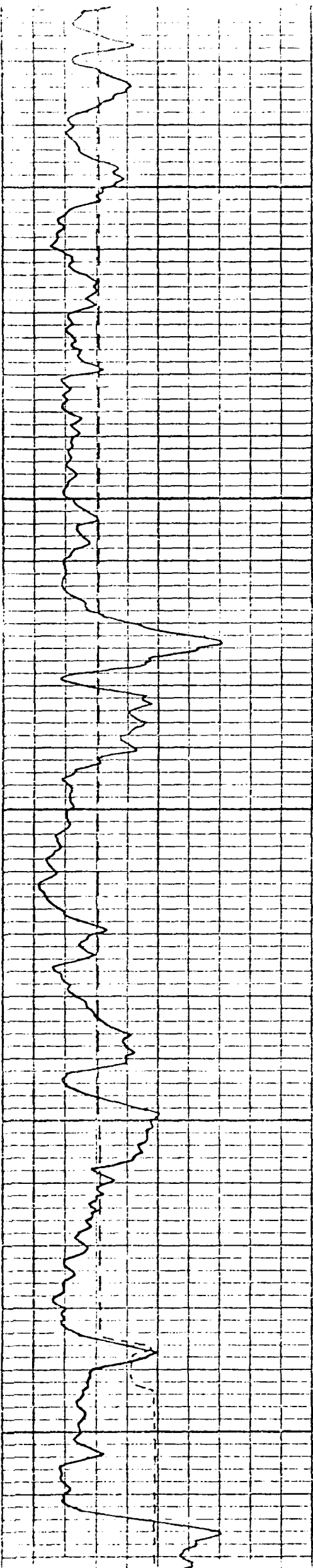
Gamma Ray Neutron

FILE NO.	COMPANY <u>CONTINENTAL OIL COMPANY</u>						
	WELL <u>M.C.A. UNIT NO. 152</u>						
	FIELD <u>MALJAMAR</u>						
	COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>						
LOCATION:		Other Services					
<u>1980' FNL & 1980' FWL</u>							
SEC <u>28</u> TWP <u>17-S</u> RGE <u>32-E</u>							
Permanent Datum <u>GROUND LEVEL</u> Elev. <u>3978</u>		Elevations:					
Log Measured from <u>D. F. 3</u> Ft. Above Permanent Datum		KB <u>3981</u>					
Drilling Measured from _____		DF <u>3981</u>					
		GL <u>3978</u>					
Date	<u>6-29-74</u>	<u>6-29-74</u>					
Run No.	<u>ONE</u>	<u>ONE</u>					
Type Log	<u>G/R-N.</u>	<u>CALIPER</u>					
Depth-Driller	<u>4125</u>	<u>4125</u>					
Depth-Logger	<u>4125</u>	<u>4125</u>					
Bottom Logged Interval	<u>4124</u>	<u>4124</u>					
Top Logged Interval	<u>3100</u>	<u>3100</u>					
Type Fluid in Hole	<u>WATER</u>	<u>WATER</u>					
Salinity Ppm Cl.	<u>-</u>	<u>-</u>					
Density lb./Gal.	<u>-</u>	<u>-</u>					
Level	<u>960</u>	<u>960</u>					
Max. Rec. Temp. Deg. F	<u>-</u>	<u>-</u>					
Opr. Rig Time	<u>2 HOURS</u>	<u>1 HOUR</u>					
Recorded By	<u>ADAMS</u>	<u>ADAMS</u>					
Witnessed By	<u>MR. BATES</u>	<u>MR. BATES</u>					
Run	Bore Hole Record			Casing Record			
No.	Bit	From	To	Size	Wgt.	From	To
1				12 1/2"		SURF.	30
1				5 1/2"		SURF.	3635
1	7"	3635	3803				
1	4 3/4"	3803	4125				

← 5 1/2" OD CASING SHOE

3500

3600



3690

TOP OF INJECTION ZONE

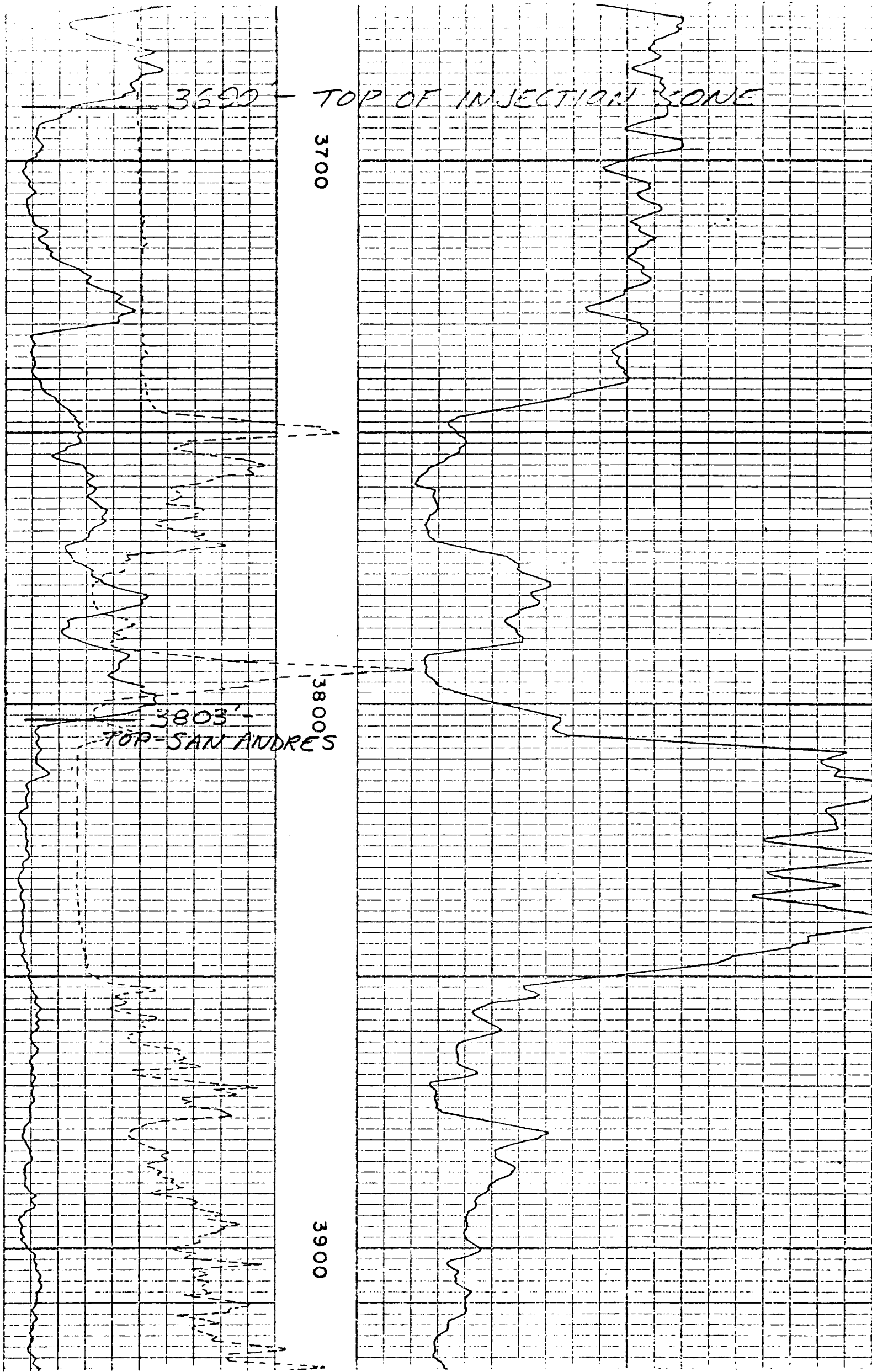
3700

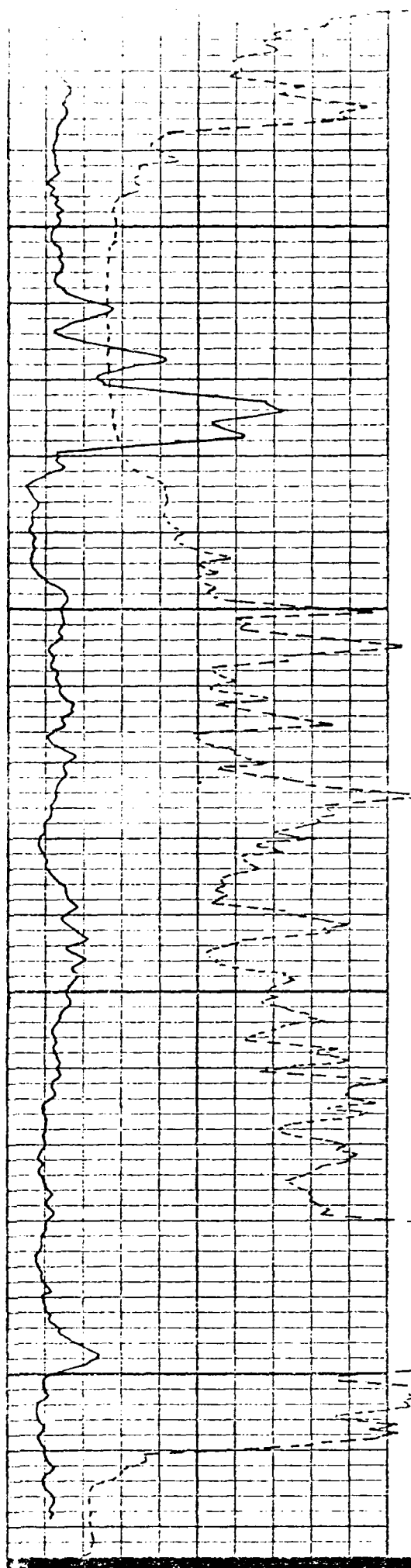
3803'

TOP - SAN ANDRES

3800

3900





4000

41.90

