

Attachment C-103
Harry Leonard No. 3
Gulf Oil Corporation

On September 17, 1951, ran 5 1/2" Model K cast iron cement retainer on 2 3/8" tubing and set at 3720'. Tested casing with 1000# - no drop in pressure. Squeeze cemented with 118 sacks regular bulk cement. Maximum pressure 1200#. Picked tubing up 15' or to 3705' and backwashed 17 sacks cement. Job complete at 12:45 p. m. September 17, 1951.

After waiting 48 hours ran SL and found top of cement at 3708' and tested casing with 1000# pressure for 30 minutes. There was no drop in pressure.

On September 19 perforated 5 1/2" casing from 3495' to 3695' with 2 jet holes per foot. Total of 400 holes by perforating guns. Job complete at 1:15 pm. 19th.

On September 27, 1951, acidized with 500 gallons mud acid by Chemical Process. TP 1100-800#, CP 1000-700#. Average injection rate 15 GPM. Injection time 33 minutes. Duration time 48 minutes.

On October 1, 1951, took Bureau Mines back pressure test-10:00 a.m. to 1:00 p.m. 1st. Shut in - TP 1168#, CP 1187#. Gravity 0.680.

<u>Test No.</u>	<u>TP</u>	<u>CP</u>	<u>Gas Volume</u>	<u>Remarks</u>
1	960	970	575,000CF	Stabilized
2	685	700	985,000 CF	50 minutes
3	515	550	1,165,000 CF	
4	405	450	1,295,000 CF	
Open flow volume			1,400,000 CF	

