

ATTACHMENT - Hobbs-Leonard # 1

Totco Deviation Survey

<u>Depth</u>	<u>Degree Off Vertical</u>
450	1/4
1250	1/2
2400	1
3440	1 3/4
3640	1 1/2
3680	3/4
3910	1 1/2
4065	1 1/4
4400	3/4
4540	1
4920	3/4
5270	1
5450	3/4
5750	1
5880	1 1/2
6080	1 1/4
6280	1
6410	3/4
6550	1 1/4
6955	1
7000	3/4
7092	1
7670	3/4
7885	1
8690	3/4
9270	1/4

Cora Record

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Refr.</u>	<u>Description</u>
1	9565	9596	31'	Lime & Shale, no show.
2	9596	9620	24'	Lime & Shale. 9596-9600 Lime, with shale partings, no show. 9600-9602 Limestone, finely crystalline coarsely crystalline white to cream, trace to 5% small vuggy & pin head porosity, slight odor, good stain, fluorescence & cut. 9602-9620 Lime & Shale, no show.
3	9620	9648	28'	Lime & Shale. 9620-9638 Lime, trace to 5% vuggy porosity & pin head porosity, odor stain, fluorescence & cut. 9638-9642 Lime & Shale, no show. 9642-9647 Lime, trace vuggy & pin head porosity, slight odor, stain, fluorescence & cut. 9647-9648 Lime & shale, no show.

Drill Stem Tests

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>No. Kind &amp; Size of Perforations (Or Open Hole)</u>	<u>Tool Set @</u>	<u>Chokes Top</u>	<u>Bottom</u>	<u>Water Cushion</u>	<u>Time Tested</u>
1	11-3-56	4720	4790	Open Hole	4720	5/8"	1"	None	2 hrs.
(San Andres) Gas to surface in 1 hr. & 25 mins. TSTM. Rec. 570' of mud & gas out sulphur water. SFP 0#, BHFP 280#, 15 min. SIP 1175#.									
2	12-13-56	9595	9620	Open Hole	9595	5/8"	1"	None	2 hrs.
(Bough "B") NTS, Rec. 30' of heavy oil cut mud, no water. SFP 0#, BHFP 0#, 15 min. SIP 335#, HH 5320# in & 5285# out.									

Acidizing or Other Completion Operations

12-20-56 Cardinal acidized perf. 9618-9634, with 500 gallons 15% IIST special. TP 3900-Vac. Svbd. 38 BLO (all) in 2 hrs.

