

TOTCO DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
400	1/4	5135	1/4	8073	3/4
1375	0	5541	3/4	8218	1
1968	1/2	5826	3/4	8316	1
2476	1-3/4	6030	3/4	8438	1
2978	1	6330	3/4	8483	1-3/4
3388	1/2	6520	3/4	8526	3/4
3705	1/2	6698	1-1/4	8566	2
3881	1/4	6883	1	8613	2-1/4
4187	1/4	7030	1	8700	2-1/4
4350	3/4	7261	3/4	8815	2-1/4
4477	3/4	7469	3/4	8871	2-1/2
4575	0	7687	1	9017	2-1/4
4950	3/4	7861	1	9105	2-1/4

DRILL STEM TESTS

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>No. Kind & Size of Perforations (or Open Hole)</u>	<u>Tool Set O</u>	<u>Chokes Top Bottom</u>	<u>Water Cushion</u>	<u>Time Tested</u>
1	12-6-57	4530	4575	Open Hole	4530	5/8 1	None	2 hrs.
(San Andres) Nothing to surface. Recovered 200' of sli oil & gas cut drlg. mud. SFP 0#, bottom hole flow pressure 60-130#, 30 min. SIP 255#, Hydrostatic Head 2630-2650#.								
2	12-8-57	4575	4619	Open Hole	4575	5/8 1	None	2 hrs.
(San Andres) Nothing to surface. Recovered 270' of sli oil & gas cut drlg. mud. SFP 0#, bottom hole flow pressure 75-145#, 30 min. SIP 200#, Hydrostatic Head 2710-2695#.								
3	1-13-58	9193	9234	Open Hole	9198	5/8 1	None	2 hrs.
(Bough "B") Nothing to surface. Recovered 30' sli gas cut drlg. mud. SFP 0#, bottom hole flow pressure 45-45#, 30 min. SIP 60#, Hydrostatic Head 4065 in, 4785 out.								
4.	1-15-58	9266	9303	Open Hole	9266	5/8 1	None	1 1/2 hrs.
(Bough "C") Nothing to surface. Recovered 20' slight gas cut drlg. mud. SFP 0#, bottom hole flowing pressure 30-55#, 30 min. SIP 55#, Hydrostatic Head 4935 in, 4905 out.								

CORE RECORD

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Rec.</u>	<u>Description</u>
1	4525	4575	50'	4525-4538 - 13' anhy w/dolomite stringers, H.S. 4538-4575 - 37' dolomite, trace to 10% pin porosity, bleeding oil & gas, good show.
2	4575	4619	44'	4575-4612 - 37' dolomite, with anhydrite incls, trace to 10% pin point frac & ice porosity, good stain & yellow flo, scat. trace to heavy bleeding oil & gas, good show. 4612-4616 - 4' dolomite with anhydrite incls, trace to 10% pin point frac & ice porosity, good stain & yellow flo, bleeding oil with trace SW, good show. 4616-4619 - 3' dolomite with 10% anhy. incls, very sli trace pin point & frac porosity, fair stain & flo, fair show.

