

STAKE BRIDGES #80

DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
190	1/4	3450	2
800	3/4	3509	1 3/4
2120	2	3577	2
2930	2 3/4	3763	1 3/4
3099	2 1/2	4063	1 1/2
3130	2 1/4	4380	2
3197	2 1/2	4510	1 1/4
3297	2 1/4		

CORE RECORD

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Rec.</u>	<u>Description</u>
1	4665	4673	4'	Dolomite. Core bbl jammed. 4665-4669 gray dolomite w/5-10% vuggy porosity, bleeding oil.
2	4673	4689	15'	Core bbl jammed. 4673-4675, 2' gray dolomite w/5% small vugs w/stain. 4675-77 1/2, 2 1/2' dense dolomite w/anhydrite inclusions, NS. 4677 1/2-80, 2 1/2' tan dolomite w/anhydrite inclusions & 5% porosity & stain, poor show. 4680-85 1/2, 5 1/2' tan granular dolomite w/20% porosity, good show of oil. 4685 1/2-88, 2 1/2' gray to tan dolomite w/10% porosity small fractures.
3	4689	4705	16'	Dolomite. 4689-91, 2' gray dense dolomite w/anhydrite inclusions, NS. 4691-97, 6' gray to buff dolomite w/5% small vuggy porosity & stain. 4697-99, 2' gray dolomite w/vertical frac & small vugs & stain. 4699-4705, 6' tan dolomite w/gray shale partings, slight silty porosity, vertical frac & scattered small vugs.
4	4705	4716	11'	Dolomite. 4705-4706, 1' buff dolomite w/small vugs, bleeding oil. 4706-4713, 7' gray to buff dolomite w/scattered small vugs, bleeding oil. 4713-4715, 2' dolomite, tan w/10% small vugs, bleeding oil. 4715-4716, 1' dolomite, gray dense, NS.

DRILL STEM TESTS

None.

ACIDIZING OF OTHER COMPLETION OPERATIONS

- 11-18-55 Sand frac open hole 4665-4716 w/5000 gals + 2500# sand, TP 4600-4600#, CP 2000#, 4 BPM, 55 mins, SIP 2500#, SI 6 hrs, Pressure G# when opened, swabbed 83 BLO in 5 1/2 hrs, swabbed 116 BLO in 27 hrs.
- 11-21-55 Acidized open hole 4665-4716 w/5000 gals 15%, 42 mins, 3 BPM, TP 4600-4000#, CP pkr, swabbed 17 BLO + 15 BAW in 4 hrs, 5 BLH SO 95% AW, 1000' FIH, no gas.
- 11-22-55 Acidized open hole 4665-4716 w/12000 gals, 46 mins, 7 BPM, TP 4900-4600#, 5 min SIP 1300#, swabbed 19 BLO (all) + 25 BAW in 6 hrs, LH 3 bbls, SO 60% AW, 200' FIH, no show of gas.

1. *Chlorophyll a* (Chl *a*) and *Chlorophyll b* (Chl *b*) were determined using the method of Arar and Collins (1997). The concentration of Chl *a* and Chl *b* was expressed as $\mu\text{g mL}^{-1}$ of the sample.

[illegible][illegible]

Figure 1 is a schematic representation of the experimental design. It consists of four panels arranged horizontally. Each panel shows a subject in a car, viewed from the side, looking forward at a road. In the first panel, the subject is looking at a car ahead on the road. In the second panel, the subject is looking at a car ahead on the road. In the third panel, the subject is looking at a car ahead on the road. In the fourth panel, the subject is looking at a car ahead on the road.

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• **Stressors** are the environmental factors that cause stress.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.