

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>
690	1/4	4621	1/4	7355	1/4
1135	1/2	4920	1	8106	3/4
1920	1/4	5093	1/4	8196	1/4
2431	1/2	5293	1-1/4	8427	1/2
2861	1-1/4	5781	1	8457	1/2
3385	3/4	6061	1	8655	3/4
3794	1/4	6335	2-1/2	8716	1
4138	3/4	6630	1-1/4	8814	3/4
4291	3/4	6824	1-3/4	9057	1
4411	3/4	7203	3/4	9169	3/4
4493	3/4				

DRILL STEM TESTS

DST #1 (Bough "B") 9195-9235 - 2 pkrs. - 1 hr. 45 mins., 5/8 x 1/2" - 35 min., pits 1 min. - flow 19 BNO - no water 1 hr. 9 min. - 1/2" choke - SFP 240#, GOR - 1210-1, grty. 43 @ 60°, 2/10 1% BS, no water - bottom hole flowing pressure 425-1385# - 30 min. SI 2295# - Hydrostatic Head 5260-5260.

CORE RECORD

Core #1 - (Bough "B") 9185-9235 - Cut 50', recovered 49'.

9185-9205 - Lime & shale, N.S.
 9205-9206 - Lime, tr. IXL per., fair st., flo. & cut.
 9206-9207 - Lime, N.S.
 9207-9218 - Lime, 10% IXL to vuggy por., fair st., good flo. & cut.
 9218-9234 - Lime & shale, N.S.
 9234-9235 - Lost, no recovery.

Core #2 - 9249-9299 - Cut 50', recovered 48'.

9249-9250 - Shale
 9250-9284 - Lime, N.S.
 9284-9292 - Lime, tr. 5% vuggy por., good st., flo. & cut.
 9292-9296 - Lime, N.S.
 9296-9297 - Shale.

ACIDIZING OR OTHER COMPLETION OPERATIONS

June 11, 1958: Perforated 5 1/2" liner - 9284-92 - 4 shots per foot. B-J acidized perforations 9284-92 with 500 gals. 15% reg. LST acid - TP 5100# - average injection rate 3/4 BPM - 5 min. SI 4800# - Swab 36 BLO in 3 hrs. (all) - Swab 12 BNO + 2 BAW 2 hrs. w/5700' fluid in hole.

June 12, 1958: From perforations - 9284-9292 - Swab 23 bbls. new oil + 2 bbls. acid water 6 hrs. - 1500' fluid in hole. B-J reacidized perfs with 2000 gals. 15% LST - TP 4400 vac. (after 20 bbls.) - Average injection rate 1.5 BPM - 3800' fluid in hole - Swab 36 BLO 2 hrs. (all). Flowed 85 BNO + 12 BAW 6 hrs. 26/64" ck. - TP 0-420# - 14 BLH - 4/10 1% AW.

DATE: 11/16/1997

09-06

124 NOVEMBER 1960 - 0000-0000 - 00 0000

SPYGLASSING / INTERVIEW / STING / NO LIMITS

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