

DEFLECTION TESTS

<u>FOOTAGE</u>	<u>DEGREES</u>	<u>FOOTAGE</u>	<u>DEGREES</u>
103	1/4	8517	1
459	1/2	8798	1
827	1/2	9033	1
1228	1/4	9075	1
1598	1/2	9144	1
1734	1/4	9244	1
2117	3/4	9455	1-1/4
2297	1/2	9630	1
2995	1-1/4	9866	2-1/2
3376	1	10107	1-1/2
3570	1/2	10371	1-1/2
3802	1/4	10435	1-1/2
4374	1/4	10506	1-1/2
4759	1-1/4	10574	1-1/4
5081	1/4	10740	2
5342	1/4	10836	3/4
5878	1/4	10959	1
6254	1/2	11035	1-1/4
6571	1/4	11157	1-1/4
7010	1/4	11260	1-1/4
7555	1/2	11353	1-1/4
7908	1/4	11473	1-1/2
8238	1	11642	3-1/4

DRILL STEM TESTS

- DST # 1: Ran Drill Stem Test # 1 Devonian from 11,676' to 11,734', 1/2" x 1" chokes, no water blanket, tool open 3 hours, had weak air blow throughout. Recovered 360' of free gas in drill pipe, 25' of heavily oil and gas cut mud and 1/2 gallon of free oil, no water. 30 minute initial shut in pressure 275#, flowing pressure initial and final 100#, 1 hour final shut in pressure 250#, hydrostatic pressure 5575#, bottom hole temperature 212 degrees.
- DST # 2: Ran Drill Stem Test # 2 Devonian from 11,738' to 11,777', 5/8" x 1" chokes, no water blanket, tool open 1-1/2 hours, very slight air blow for 1 minute. Closed and reopened tool after 1/2 hour, slight air blow 1/2 minute. Recovered 92' of mud, few drops of oil in bottom 2' of mud, no gas or water. 30 minute shut in pressure 125#, flowing pressure initial 0#, final 125#, 1 hour final shut in pressure 125#, hydrostatic pressure 5600#, bottom hole temperature 202 degrees.
- DST # 3: Ran Drill Stem Test # 3 Devonian from 11,778' to 11,794', 5/8" x 1" chokes, no water blanket, tool open 3 hours, had weak air blow immediately, increased to strong air blow for 1 hour, decreased to slight blow at end of test. Recovered 600' of muddy salt water, 4050' of clean salt water. 30 minute initial shut in pressure 4950#, hydrostatic pressure 5625#, bottom hole temperature 148 degrees.