

DIRECTION SURVEYS

<u>DEPTH</u>	<u>DEFLECTION</u>	<u>DEPTH</u>	<u>DEFLECTION</u>
300'	3/4 deg	7360'	1-1/2 deg
1150'	1/4 deg	7383'	1-1/4 deg
1400'	1/4 deg	7472'	1-1/4 deg
2050'	3/4 deg	7475'	1-1/4 deg
2226'	1/2 deg	7525'	1-1/4 deg
2600'	3/4 deg	7565'	1-1/4 deg
2826'	3/4 deg	7510'	1-1/4 deg
3095'	1/2 deg	7553'	1-1/4 deg
3240'	1/2 deg	7740'	1 deg
3365'	1 deg	7820'	1 deg
3639'	1/4 deg	7960'	2 deg
3745'	1 deg	8040'	2 deg
3795'	3/4 deg	8080'	1-3/4 deg
4060'	3/4 deg	8145'	1-3/4 deg
4130'	1/2 deg	8265'	1-1/2 deg
4335'	1/4 deg	8297'	1-1/2 deg
4485'	1/2 deg	8305'	1-1/2 deg
4625'	3/4 deg	8320'	2-1/4 deg
4835'	0 deg	8355'	2-1/2 deg
4985'	3/4 deg	8375'	3 deg
5165'	0 deg	8405'	2-3/4 deg
5405'	3/4 deg	8463'	3 deg
5645'	3/4 deg	8560'	2-3/4 deg
5740'	1 deg	8595'	2-3/4 deg
5875'	3/4 deg	8665'	2-1/2 deg
6035'	1/2 deg	8700'	2-1/2 deg
6145'	3/4 deg	8728'	2-1/4 deg
6475'	3/4 deg	8755'	2-3/4 deg
6590'	3/4 deg	8775'	3 deg
6695'	1 deg	8800'	3 deg
6738'	1 deg	8840'	2-1/2 deg
6800'	1 deg	8860'	2-1/2 deg
6895'	1/4 deg	8875'	3 deg
6930'	1/2 deg	8920'	2-3/4 deg
7035'	3/4 deg	8965'	3 deg
7095'	1 deg	9031'	2-1/2 deg
7172'	1 deg	9110'	2-3/4 deg
7230'	1-1/4 deg	9180'	2-1/4 deg
7306'	1-1/2 deg	9245'	2 deg

DRILL STEM TESTS

- DST #1, 6743 - 6812; tool open 1 hr., medium blow of air at first and gradually died in 45 min.; rec. 115' drilling mud; F.P. 48 - 75#, 15 min. SIP 192#.
- DST #2, 6810 - 6900; tool open 1 hr.; good blow of air and increased to strong blow, no gas or fluid to surface; rec. 200' slightly oil & gas cut drilling mud and 120' oil & gas cut drilling mud W/est. 20% oil; F.P. 70 - 134#, 15 min. SIP 395#.
- DST #3, 6900 - 6935; tool open 1-1/2 hrs.; good blow of air increasing to strong blow; rec. 120' gas cut drilling mud, 160' salt water cut drilling mud and 230' salt water; F.P. 42 - 198#, 20 min. SIP 1630#.
- DST #4, 7330'- 7385; tool open 2 hrs.; tool opened W/good blow; rec 90' gas cut mud; F.P. 29 - 31#, 15 min. SIP 226#.
- DST #5, 9241 - 9302 (T.D.); tool open 3 hrs.; tool opened W/good blow air, gas to surface in 7 min.; rec. 270' mud cut oil, 1170' clean oil, & 420' oil & gas cut sulphur water; F.P. 150 - 730#, 15 min. SIP 2620#.

10. The following table gives the number of hours worked by each of the 100 workers.

10. The following table shows the results of the survey: