

OPERATIONS SUMMARY for 8 5/8" SURFACE CASING

Drilling: 0 to 631 ft.

1. Drilled 12 1/4" hole with 22 hours rotating time as follows:

RPM	110
WT (1000 lbs)	3-5
GPM	500
PRESSURE	1000
DEVIATION	3/4 DEG.

2. Number of bits used: 1 Used

3. BHA:

Bit/Bit Sub/6 x 6 1/2" DC's/XO/6 x 6" DC's

Casing:

1. Ran 8 5/8" casing to 629 ft. (KB) as follows:

Guide Shoe + Short Jt.	15.00 (Shoe Welded)
One Joint	37.65
Float Collar	1.03
10 jts. 24#/ft. K-55	579.72

2. Ran 3 Centralizers on collars.  
(second centralizer just below float collar).

Cement:

1. Cemented down casing with 300 sacks class "G" neat cement plus 2% CaCl<sub>2</sub>.
2. Displaced with water, lost returns after top plug dropped.
3. Bumped plug with 400 PSI for 5 minutes - no backflow.
4. Estimated top of cement at 280 ft.

OPERATIONS SUMMARY FOR 7 7/8" HOLE

Drilling: 629 to 3506 ft.

1. Drilled 7 7/8" hole with 192.25 hours rotating time as follows:

RPM	60-110
WT (1000 lbs)	5-28
GPM	136-246
PRESSURE	200-1500
DEVIATION	2 DEG. (MAX)

2. Number of bits used: 1 Used, 5 New

3. Final BHA:

Bit/Bit Sub/12 x 6 1/2" DC's/Crossover/3 x 6" DC's

4. Three hour delay due to broken pin in 6" drillcollar.
5. Approximately 5 day delay due to multiple lost circulation zones from 986-1822 ft.

Logs: None run except mud log.