

9 5/8" INTERMEDIATE CASING CEMENTING COST ESTIMATE:

Cement:

1635 sacks Halliburton Light Cement, 5 lbs./sk. Gilsonite, 1/4 lb./sk. Flocele	\$ 9,744.60
200 sacks Class "C" cement (including service charge)	1,054.00
84.99 ton-miles cement (60 miles)	<u>2,753.68</u>
	\$13,552.28

Service Equipment:

Pump Service (3600') plus mileage (60 miles, estimated)	\$ 854.60
Stand-By Pump Units (one 8 hour period) plus mileage	<u>685.00</u>
	\$1,539.60

Floating Equipment For: 9 5/8" casing

1 Guide Shoe	\$161.00
1 Float Collar with Automatic Fill-up Unit	360.71
4 Centralizers	184.00
1 EZ Lok Clamp	9.20
2 Pounds Weld-A	15.50
1 Top 5 Wiper Plug	<u>63.50</u>
	\$793.95

5 1/2" PRODUCTION CASING AND HOLE DATA:

Hole Depth - 9200'  
Casing Size - 5 1/2"  
Casing Depth - 9200'  
Hole Size - 8 3/4"  
Fill-up Required - 6000' (cement back to 3200')

Recommendation:

Recommend performing a two stage cementing program through Multiple Stage Cementer at 6900'. Install floating equipment, run 5 1/2" casing to bottom and circulate required hours to condition hole for cementing production casing.

Precede cement with 500 gallons of mud flush to remove circulatable mud and improve cement bond.