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DUGAN PRODUCTION CORP. Sixteen G's #3 Page 3

7-19-81 6485' - Logging Wt. 9.2 Vis 70

4-1/4 hrs - trip

4-3/4 hrs - drlg.

1/4 hr - rig service

1/2 hr - short trip

2 hrs - circ.

1/2 hr - rig up loggers

1-1/4 hrs - wash out bridge

9-1/2 hrs - clean out 1052-1105

1/2 hr - clean out

1/2 hr - rig up loggers

7-20-81 6485' - logging

7-1/2 hrs - trip

11 hrs - logging

1/2 hr - clean out

5 hrs - circ.

Made one logging run to TD after running repeat - unable to get back to btm. T.I.H. w/ drill pipe and clean out and condition hole. P.O.H. and now logging.

7-21-81 Ran 165 jts. of  $4\frac{1}{2}$ ", 10.5# casing and set at 6492 ft., DV tool at 4503'. Put rig pump on and had good returns .

Rig up Howco and pumped 10 bbls of mud flush and mixed 250 sx Class B w/ 4% gel and  $\frac{1}{4}\#$  flocele per sack followed by 150 sx of class B $\frac{1}{4}\#$  flocele per sk. Pumped plug down, dropped bomb and opened tool. Reciprocated pipe and had good returns throughout first stage. Put rig pump on and circulated for  $2\frac{1}{2}$  hrs.

Cemented 2nd stage - pumped in 10 bbls. mud flush and mixed 400 sx of 65-35 w/ 12% gel,  $\frac{1}{4}$ # flocele per sack and followed by 100 sx of class B with 4% gel and  $\frac{1}{4}$ # flocele per sk. Pumped down plug and closed tool. Set slips and cut off casing. Installed well cover.