NMOCE

*See Instructions on Reverse Side

FARMINGTO!: DISTRICT

6800' - Cementing 4½" casing. Completed logging. 12-21-82 Welex GR-induction log from 6775' to 249' and GR-density log and intervals from 6777 to 1700'. Ran in with 7-7/8" bit and drilled rat hole to 6800'. Circulated three hours and pulled out, laying down drill pipe. Ran and landed 161 jts. of 4½", 10.5 lb., J-55, 8Rd, ST&C, ERW Italian casing @ 6796' with Baker Model "G" differential fill float collar @ 6754' and Baker DV tools @ 5102' and 2189'. Hit solid bridge @ 6293'. Broke circulation and washed through in 45 minutes. Ran to bottom. Had to wash 20' of fill @ TD. Cemented 1st stage using 10 bbl mud flush followed by 250 sks 50/50 "B" poz with 2% gel and 1/4 celo flakes per sack plus 100 sacks class "B" with $\frac{1}{4}$ of celo flakes per sack. (Total slurry = 435 c.f.). Reciprocated casing and had good circulation throughout 1st stage. Cemented @ 6-1 BPM and 300 to 1000 psi (National had pump problems on tail end). Bumped plug to 2000 psi @ 4:15 a.m. 12-21-82. Released pressure. Float held okay. Opened DV tool @ 5102' and circulated 3 hours with mud.

12-22-82
6800' - Waiting on completion. Cemented 2nd stage using 10 bbl mud flush, followed by 300 sks of 65/35 B-poz with 12% gel and 1/4 celo flakes per sk and 75 sks of 50/50 B-poz with 2% gel and 1/4 celo flakes /sk. (Total 2nd stage slurry = 761 c.f.). Displaced with 40 bbl water and 41.7 bbl of mud @ 6 BPM and 300-800 psi. Bumped plug to 2000 psi. Released pressure and held okay. Had good circulation throughout second stage. Opened DV tool @ 2189',

12-22-82 and circulated 3 hours with mud.

Cemented 3rd stage using 10 bbl of mud flush followed by 425 sks $\overline{65/35}$ B-poz with 12% gel and $\frac{1}{4}$ celo flakes /sk and 160 sks 50/50 B-poz with 2% gel and $\frac{1}{4}$ celo flakes /sk. (Total slurry 3rd stage = $\overline{1147}$ c.f.). Displaced with 34.9 bbl of water @ 6 BPM and 300-800 psi. Bumped plug to 2000 psi. Released pressure. Tool held okay. Had good circulation throughout 3rd stage and circulated a trace of cement to surface. Cement in place and job complete @ 12:45 p.m. 12-21-82. Set slips and cut off $4\frac{1}{2}$ " casing. Released rig @ 1:30 p.m. Moved rig off location. Nippled up wellhead.

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