

ATTACHMENT TO FORM 3160-4

Bobby B #3 .
(Well Name)

Sec 31, T24N R6W .
(Sec, T, R)

SF-078534 .
(Lease No.)

The following summarizes the cement job on the above well as required by item 28 of 3160-4 and the approved APD.

8-5/8" surface casing 229' to surface. 155 sacks Class B 2% CaCl₂, 1/4# flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 183 cubic feet. Cement circulated to surface.

4-1/2" casing, Stage 1: T.D. to 4630 '. Pumped 20 barrels mud flush and 3 barrels fresh water spacer. Lead cement of the first stage was 50 sacks Class "G" cement mixed with 8 pounds Salt per sack, 6 1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack mixed at 15.2 pounds with a yield of 1.385 cubic feet per sack or 69 cubic feet (about 12 barrels slurry). The remainder of the first stage cement was 190 sacks Class "G" cement mixed with 2% CaCl₂, 8 pounds Salt per sack, 6 1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack at 15.2 pounds with a yield of 1.385 cubic feet per sack or 263 cubic feet (about 47 barrels slurry). Washed out pumps and lines. Pumped plug. Plug bumped. Opened DV tool and broke circulation. Circulated 15 barrels slurry off DV tool.

4-1/2" casing, Stage 2: 4630 ' to surface.

Pumped 5 barrels water, pumped 10 barrels CaCl₂ water, pumped 10 barrels water spacer, pumped 20 barrels Flocheck 2-1, pumped 10 barrels water. Pumped 900 sacks of Class "G" 50/50 PozMix mixed with 4% Gel, 10% Salt, 10% CalSeal and 10 pounds Gilsonite per sack at 12.7 pounds with a yield of 1.806 cubic feet per sack or 1625 cubic feet (approximately 290 barrels of slurry). Washed out pumps and lines. Pumped plug. Plug bumped and DV tool closed. DV held. Circulated 54 barrels of slurry to pit.