

CASING AND CEMENTING

Field WC Well Isleta #1
 Job: 7" " O.D. Casing/Liner. Ran to 14,104 feet (KB) on 3/5, 1975

Jts.	Wt.	Grade	Thread	New	Feet	From	To
					8.86	KB 0	CHF 23.60
19	26	N-80	8rd	New	813.33	CHF	836.93
6	29	N-80	8rd	New	252.31		1,089.24
3	26	N-80	8rd	New	131.67		1,220.91
130	26	K-55	8rd	New	5,472.92		6,693.83
79	26	N-80	8rd	New	3,479.24		10,173.07
96	26	Soo-95	8rd	New	3,806.80		13,979.87
Howco Differential Float Collar					1.62		13,981.49
3	26	Soo-95	8rd	New	120.09		14,101.58
Casing Hardware: Howco Differential Float Shoe					2.42		14,104.00

Float shoe and collar type Shoe 847.2006 Float Collar 824.5292

Centralizer type and product number S-3 807.712

Centralizers installed on the following joints 10' above shoe #2, #4, #7, #10, #13, #16

Other equipment (liner hanger, D.V. collar, etc.)

Cement Volume:

Caliper type BHC Sonic w/Ca Caliper volume 1577.508 ft³ + excess over caliper
401.042 ft³ + float collar to shoe volume 26.66 ft³ + liner lap
 + cement above liner ft³ = 2005.21 ft³ (Total Volume).

Cement: 50 w/7%

Preflush-Water KCL bbls, other Volume bbls

First stage, type and additives 616 sx Hal. Lite, 1% CFR-2, .003% HR-7

ft³/sk, volume 1090.32 sx. Pumpability 4:45 hours at 300 °F. Weight 12.5 lbs/gal, yield 1.77

Second stage, type and additives Class "H", 1 1/2% CFR-2, 30% Silica Flour, 4% Gel, .003% HR-7

ft³/sk, volume 914.49 sx. Pumpability 4:29 hours at 300 °F. Weight lbs/gal, yield

Cementing Procedure:

Rotate/reciprocate

Displacement rate 6.2 bbls

Percent returns during job @ 8 bbls 75%, @ 5 bbls 100%

Bumped plug at 2:35 pm 3/5/75 AM/PM with 1700 psi. Bled back 3 bbls. Hung csg with 300,000 lbs on slips.

Remarks:

Drilling Foreman J. B. Smith

Date 3/11/75