

CASING AND CEMENTING

Cactus Area				Isleta Central #1			
Field				Well			
Job:	9-5/8	" O.D. Casing	XXXX	Ran to	5334	feet (KB) on	11/30, 1974
Jts.	Wt.	Grade	Thread	New	Feet	From	To
					12.01	KB	CHF 25.47
20	40#	K-55	Buttress	Yes	799.79	CHF	825.26
5	40#	S-95	LT&C	Yes	230.23	825.26	1058.49
63	40#	N-80	LT&C	Yes	2702.31	1058.49	3757.80
Halliburton DV					3.33	3757.80	3761.13
34	40#	N-80	LT&C	Yes	1477.22	3761.13	5238.35
Halliburton Float Collar					1.60	5238.35	5239.95
2	40#	N-80	LT&C	Yes	92.08	5239.95	5332.03
Halliburton Float Shoe					1.97	5332.03	5334.00

Casing Hardware:

Float shoe and collar type Halliburton Float Shoe and CollarCentralizer type and product number S-3 807-724Centralizers installed on the following joints 6' above shoe - first jt, 3rd jt, 5th jt, 7th jt and 9th jt

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

Cement Volume:

Caliper type Sec Gauge . Caliper volume 1405.8 ft³ + excess over caliper140.6 ft³ + float collar to shoe volume _____ ft³ + liner lap _____ ft³+ cement above liner _____ ft³ = 1546.4 ft³ (Total Volume).

Cement:

Preflush-Water 20 bbls, other _____ Volume _____ bblsFirst stage, type and additives Class "H" w/0.25% CFR-2 and 1/4#/sk Flocele. Weight 16.4 lbs/gal, yield 1.056ft³/sk, volume 1590 sx. Pumpability 4 hours at 150 °F.Second stage, type and additives Halliburton Light w/1/4#/sk Flocele. Weight 12.4 lbs/gal, yield 1.82ft³/sk, volume 2970 sx. Pumpability 4+ hours at 125 °F.

Cementing Procedure:

~~Box~~ reciprocate first 100 bbls slurry out of csgDisplacement rate 4 bblsPercent returns during job 100Bumped plug at 10:35 AM/PM with 1450 psi. Bled back 2-1/4 bbls. Hung csg with 300,000 lbs on slips. (csg wt 200,000)

Remarks:

Opened DV and circ out approx 100 sx cmt. Circ for 9-1/2 hrs through DV to let first stage set up. Second stage cemented w/caliper volume plus 35% excess. Circ out approx 400 sx cement. Bumped plug at 10:40 PM, 11/30/74.

FEB 11 1974

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.Drilling Foreman J. B. Smith
Date 12/9/74