

# CASING AND CEMENTING

Field CACTUS AREA Well Isleta Central #1  
Job: 13-3/8 " O.D. Casing/Liner Ran to 504 feet (KB) on 10/22, 1974

| Jts.                   | Wt          | Grade       | Thread              | New        | Feet          | From          | To               |
|------------------------|-------------|-------------|---------------------|------------|---------------|---------------|------------------|
|                        |             |             |                     |            | <u>8.45</u>   | <u>KB</u>     | <u>CHF 25.47</u> |
|                        |             |             |                     |            |               | <u>CHF</u>    | <u>25.47</u>     |
| <u>2</u>               | <u>54.5</u> | <u>K-55</u> | <u>ST&amp;C 8rd</u> | <u>New</u> | <u>47.35</u>  | <u>47.35</u>  | <u>72.82</u>     |
| <u>10</u>              | <u>48</u>   | <u>K-55</u> | <u>ST&amp;C 8rd</u> | <u>New</u> | <u>307.02</u> | <u>72.82</u>  | <u>379.84</u>    |
| <u>3</u>               | <u>54.5</u> | <u>K-55</u> | <u>ST&amp;C 8rd</u> | <u>New</u> | <u>123.01</u> | <u>379.84</u> | <u>502.85</u>    |
| Halliburton Guide Shoe |             |             |                     |            | <u>1.15</u>   | <u>502.85</u> | <u>504.00</u>    |

## Casing Hardware:

Float shoe and collar type Guide Shoe (Halliburton)  
Centralizer type and product number Hinge type S3 -- 807.730  
Centralizers installed on the following joints 6, 2 jts and 5th jt above shoe  
Other equipment (liner hanger, D.V. collar, etc.)

## Cement Volume:

Caliper type 301.51 Caliper volume 350.08 ft<sup>3</sup> + excess over caliper  
+ cement above liner 56.41 ft<sup>3</sup> + float collar to shoe volume 708 ft<sup>3</sup> (Total Volume).

## Cement:

Preflush-Water 30 bbls, other Volume bbls  
First stage, type and additives Class "B" w/2% CaCl<sub>2</sub>, 1/4# Flocele per sk  
ft<sup>3</sup>/sk, volume 600 sx. Pumpability 3+ hours at 60 °F. Weight 15.6 lbs/gal, yield 1.18  
Second stage, type and additives Weight lbs/gal, yield ft<sup>3</sup>/sk, volume sx. Pumpability hours at °F.

## Cementing Procedure:

Rotate/reciprocate Displacement rate  
Percent returns during job 100  
Bumped plug at 9:00 10/22 ~~AM~~ PM with psi. Bled back bbls. Hung csg with lbs on slips.

## Remarks:

Cement did not circ. Ran 1" down outside of csg. Top of cement at 171'. Preflushed hole w/water. Cemented through 1" w/240 sx Class "B" neat. CIP at 1 PM, 10/23/74.  
Cement circ.

Drilling Foreman J. B. Smith  
Date 10/23/74