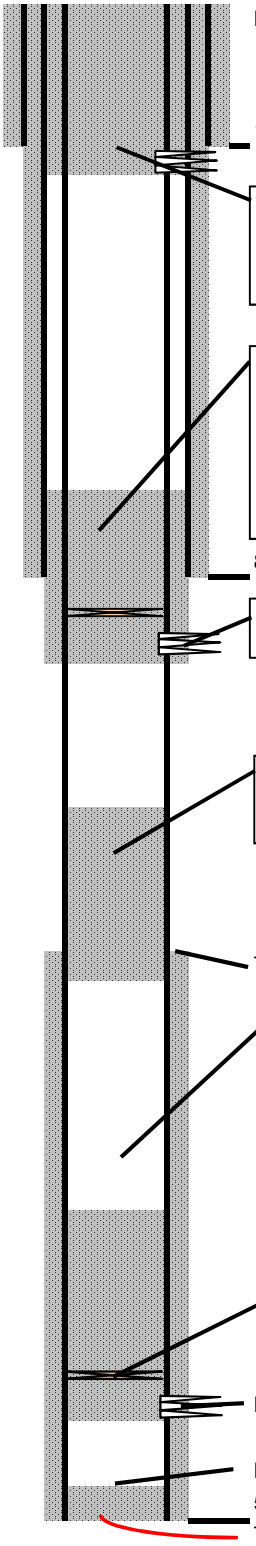
Papoose Canyon 2-20



Elevation: 6670'GR, 6684'KB

Location: Surface: 910' FSL, 990' FWL, Sec 20, T39N, R19W, Dolores, Colorado

Field: Papoose

13 3/8" 54# conductor casing @ 40' KB, circulated to surface

Surface Plug #4: Squeeze through perforations at 300' with 100sx (118 cuft) cement from surface and circulating through 5 1/2"x 8 5/8" annulus leaving 5 1/2" casing full of cement and cement circulated to surface through perforations and 5 1/2"x 8 5/8" annulus.

9 5/8" Casing Shoe (2078') Plug #3: Establish circulation to bradenhead and cement through cement retainer at 2150'+/- with 107 sx (126 cuft) cement at 15.6ppg and 1.18cuft/sx yield using 79 sx below and leaving 28sx balanced plug on top of retainer to place cement from 2200'+/- up to 1900'+/- inside and outside of casing. 50% excess cement used for annular space outside 5 1/2" casing.

8 5/8" 24# @ 2078', circulated to surface w/380 sx Class H

Perforate squeeze holes at 2200'+/-.

Hermosa (4775') Plug #2: With end of tubing at 5050'+/-, spot 85 sx (100cuft) cement at 15.6ppg and yield of 1.18 cuft/sx to leave cement at 4300'+/- in 2 stages if necessary.

TOC: unknown

Perforated Desert Creek interval and Ismay top (5930') Plug #1: Circulate cement to end of tubing and sting into retainer, inject 13 sx (15.3cuft) 15.6 ppg at 1.18cuft/sx cement below retainer filling casing to bottom perf and injecting 5sx into formation, sting out of retainer and spot 34 sx (40.0 cuft) cement at 15.6 ppg 1.18 cuft/sx on top to 5900'+/-. Total 47sx plug of 367' from 5900' to 6267'.

Trip in hole with tubing to set cement retainer at 6200'+/-.

DC perfs: 6259' - 67' KB

PBTD: 6292'

5 1/2" 15.5# & 17# csg @ 6337' KB w/ 380 sx Class H

TD: 6337'

Not to Scale

Rodney L. Seale
10/26/2015