

Black Hills

Carson 29-04-20 #7

Post Prep Wellbore Diagram

API # 30-039-20809

UNIT E SW NW, Sec 20, T29N, R04W Rio Arriba, NM

Spud 2-12-74

22-Aug-06

Elev. GL= 6565'

Elev. KB= 6577'

SURF CSG

10 3/4" 40.5# K-55
@226' KB, TOC surf

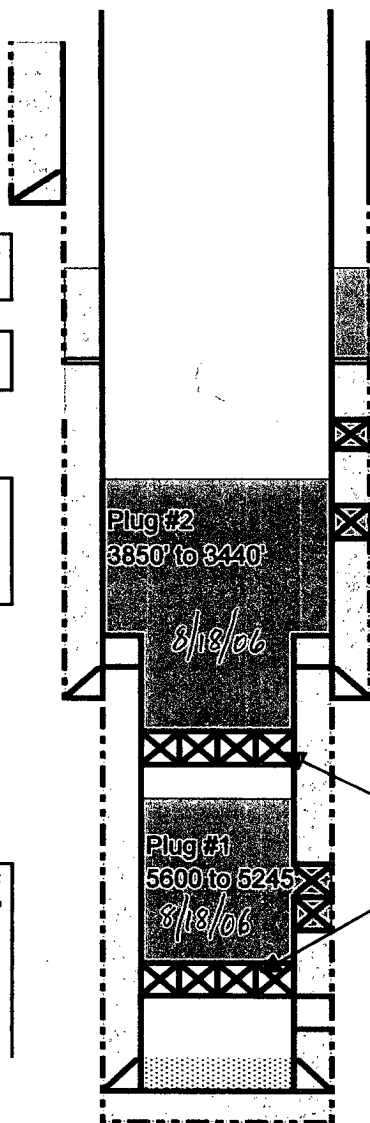
TOC = 2580' CBL 8-
20-06

SQ 2796-3049' 118
sx Type III 5-6-04

Intermediate casing:
7" 20 & 23# K55 set
to 3800' Calculated
TOC +/- 2702'

PROD CASING

4 1/2" 10.5# & 11.6#
K-55 liner from 3641'
to 5916' cement 340
sx class A +4% gel,
Reverse 2 bbls
cement.



Cement Plug #1; 23 sx, (31 cu ft) 5600' to 5245'

Cement Plug #2; 43 sx (62 cu ft) 3850' to 3440' TAGGED TOC @ 3440'

Upper PC perms: (6-1974) 3302, 08, 14, 20, 26, 32, 60, 70, 78. Frac 30# gel w/ CO₂ + 10000# 100 mesh & 69500# 10/20 *

Lower PC perms: (6-1974) 3512-3550 Frac 30# gel w/ CO₂ + 10000# 100 mesh & 38000# 10/20

Squeezed Upper & Lower PC w/85 sx Type III 5-6-04

Set Retainer @ 5228' 8-24-04. Pump 75 sx Prem Lite HS, cement on top to 4940'. Drill out to TD, prod Men/PTL

CIBP @ 3850'

CIBP @ 5600'

Cliffhouse perms: (2-1974) 5377-83, 5386-97. Frac 30000# 10/20 25, 30# gel w/ CO₂.

Menefee & Pont Lookout perms: 5620, 23, 28, 50, 61, 64, 73, 77, 78, 79, 80, 84, 5700, 09, 10, 16, 41, 43. Frac 50000# 20/40 RC 50Q XL foam

PBTD = 5880' sand fill to 5801'

TD = 5934'

