

BAKER ENGINEERING

Oil and Gas Consultants

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WILLIAM N. BEACH

PENNZOIL FEDERAL COM NO. 1

Production Casing Report

Drilled 7 7/8" hole to 13,600' KB at 7:00 A.M., CST, February 21, 1981.

Ran 5 1/2" casing as follows - top to bottom:

63 jts., 17#/ft., N-80, Buttress csg	2,605.49
169 jts., 17#/ft., N-80, LT&C csg	6,838.49
98 jts., 20#/ft., N-80, LT&C csg	4,109.74
Halliburton float collar	1.45
1 jt., 20#/ft., N-80, LT&C csg	42.96
Halliburton guide shoe	1.74
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	13,599.87'

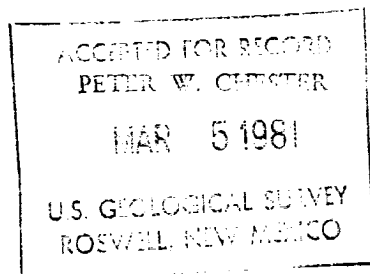
Casing set 2' off bottom at 13,598' KB

Ten centralizers were run from 13,000' to 13,580'.

Circulated two hours and forty-five minutes prior to cementing.

Pumped 500 gallons mud flush. Cemented with 650 sacks Class "H" cement, with 0.6% Halad 22-A, 0.4% CFR-2 and 5 pounds KCl per sack. Cement mixed at 15.6# per gallon. Displaced with 316 barrels fresh 3% KCl water. Plug down at 6:00 A.M., CST, February 23, 1981.

Ran temperature survey in eight hours. Top of cement at 11,530' KB.



BDB/lsg
February 26, 1981