

THOMAS S. SCHALK
618 FIRST WICHITA NATIONAL BANK BLDG.
WICHITA FALLS, TEXAS 76301

January 28, 1974

Drilling and Completion Record

Lone Star Industries - Schalk 49-3

Drilling Contractor - Arapahoe Drilling Company
Rig 2 - Pusher Doyle Castle

Location: 1190 feet FNL 790 feet FEL Section 23 30 N 4 W

Elevation: 7102 Gr. 7114 K B

County: Rio Arriba, New Mexico

Production Formation - Pictured Cliffs

Casing: 8-5/8 Surface @ 180' Cemented 170 sx neat w/2% Ca Cl
Cement Circulated
2-7/8 Production String @ 4450 cemented w/ 300 sx
HOWCO light 12 $\frac{1}{2}$ # Gilsontite followed by 100 sx Class A

Hole Size: 7-7/8 to top of Pictured Cliffs and 6-3/4 to T. D.

Logs: Schlumberger Compensated Formation Density Log with
Gamma Ray
Schlumberger Compensated Neutron-Formation Density
Log with Gamma Ray

Completion: Go International ran correlation log and perforated,
1 hole per foot, 4055-95, 3881-90, 3867-75, 3835-63
Frac: 500 gallons of 15% HCL followed by 750 sx sand
in 90,000 gallons w/WG-6 gelling agent
Formation broke down @ 3400#, treated 1# per gallon
3400# increasing to 3700#, back to 3500#, shut in @ 1100#
5 min 800#. Dropped 20 balls @ 50,000 gallons, no action,
15 balls @ 58,000 gallons, very little action, 15 balls
@ 65,000 gallons 150# increase. Left well shut in.
After about 18 hrs, opened up, well unloaded w/gas right
away.

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