

Case 2768

EXHIBIT NUMBER 1

Well History Report

ERNEST A. HANSON & HAROLD KERSEY - #1 H. & K. Federal

Field Well - Red Lake Field (Grayburg - San Andres)
Eddy County, New Mexico

Location: 2310' FNL & 330' FWL
Sec. 14, T. 17 S., R. 28 E., N.M.P.M.
Eddy County, New Mexico

Elevation: 3718' D.F.

Drilling Contractor: Kersey & Company
Artesia, New Mexico

Type Drilling Rig: Cable Tool

Commencement: October 11, 1962

Completed: January 15, 1962³

Casing Program: 10-3/4" @ 232' w/pulled
8-5/8" @ 499' w/50 sx.
5-1/2" @ 2096' w/100 sx.

Total Depth: 2179' sand

P. B. Total Depth: 2096' dolomite

Perforations: 2 jets per foot at 1674-1688' (Queen Fm.), 2020-2024'
and 2030-2034' (Grayburg Fm.)

Treatment: HOWCO 5-1/2" straddle packers were set at 1667' and
1697' on 3", N-80 tubing. Grayburg perforations
were treated with 13,900 gals. lease oil and 20,000
lbs. 20-40 sand. Queen perforations were treated
with 17,000 gals. lease oil and 20,000 lbs. 20-40
sand.

Logs: Gamma Ray - Density (Schlumberger)

Drilling Shows: 190- 195' Water
950- 962' Trace of gas
1015-1025' Trace of gas & scum of oil
1680-1700' Gas & oil stain. 1 hr. test; no free oil
1740-1750' Gas & oil stain. 1 hr. test; no free oil
2036-2047' Oil stain. 1 hr. test; no free oil
2186-2198' Gas & salt water; approx. 600' XWII

Production Tests: Queen Fm. and Grayburg Fm. flowing 24 hrs. through 2-3/8" tubing on a 1/4" choke: 10 BO and 54,400 CFGPD. 24 hour SIP 540 lbs.

Queen Fm. flowing 24 hours through 5-1/2" casing annulus and 2-3/8" tubing on 1/2" choke: 54,400 CFGPD with a trace of oil. 24 hour SIP 540 lbs.

Grayburg Fm. swabbing through 2-3/8" tubing : 10 BOPD. 24 hour SIP 315 lbs.*

*Gas depletes to trace after initial flow.

Initial Production: Flowed 54,400 CFGPD (Queen Fm.)
Swabbed 10 BOPD (Grayburg Fm.)

Oil Purchaser: McWood Corporation
Abilene, Texas

Gas Purchaser: Phillips Petroleum Co
Bartlesville, Oklahoma

Well Status: Producing oil and gas well.

Geological Fm. Tops:

Yates Fm.	654'
Seven Rivers Fm.	818'
Queen Fm.	1464'
Penrose sd.	1594'
Grayburg Fm.	1872'
Metex sd.	2020'
Premier sd.	2173'
San Andres Fm.	2213' (estimated)



Harry F. Schram, Geologist
Ernest A. Hanson