

EPJEDJ

Tulsa, Oklahoma
September, 1946

Gulf #1 Zimmerman
Sec. 22-15S-13W, SW SW NW
Elev. 3054' D.F.
rc-

Cable tools below 3573-3584 cor.

Pennsylvanian Conglomerate: None.

Arbuckle Top 3581' Penetration 17' Subsea -1545'

Pre Cotter, Post Boyce member, 3581-3598' T.D.

- 3581-3584 Dolomite, white, medium and coarse, oil-stained. Drilled with rotary tools.
- 3584-3588 Cable tool core #1, recovered 5 inches. White, coarsely crystalline dolomite, tight. Includes 5% flinty chert and 3% very fine sand. Rec. 1 BO after 2 hours.
- 3588-3592 Core #2, recovered 3 inches. Dolomite as above, tight to porous. Includes 6% fine to coarse sand. Test made 1-1/4 BOFH.
- 3592-3594 Core #3, recovered 6 inches. Oil-stained, porous, coarsely crystalline dolomite with 33% buff, flinty, colitic chert. Hole filled 200' with oil in 6 hours.
- 3594-3597 Core #4, recovered 3 feet. Oil-stained coarse dolomite with 30% chert as above. Test bailed 3-1/8 BOFH.
- 3597-3598 Core #5, no recovery. Cuttings show oil-stained coarse dolomite as above with intercrystalline porosity and with chert. Hole filled 325' with oil in 3 hours.

Remarks: Acidized with 2,000 gallons after which the test made 19-1/2 BOFH.

Section penetrated is stratigraphically the uppermost part of the Pre Cotter. The restored top of the Pre Cotter is estimated at 3574' or -1540'.

RFW:HL