KATZ (5100') FIELD
Stonewall County, Texas
By:
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Exploration Method Leading to Discovery: Subsurface geology
Status of Field: Active

Discovery Well:
Name T. D. Humphrey
No. 1 Mrs. Mattie Davis
Location: 3080' FSL & 16,350 FEL
E. Boren Sur. No. 51, A-28
Stonewall County, Texas
Date of Completion: March, 1951
Total Depth: 6020' (PB 5134')
Elevation: 1493' DF
Cag: 10'' @ 200'; 5-1/2'' @ 5110'
Perforations: Open Hole
Acid: Shot w/ 40 qts.
I.P.P: 87 BOPD w/ 4% SW
Pressures: CP 400#; TP 110#

Producing Formations:
Stawn "D" Sand U/Katz 5100' Sd.
Elevation of Surface: 1483'

Surface Formations:
Lower Double Mt. or Clear Fork
Oldest Stratigraphic Unit
Penetrated: Ellenburger
Nature of Trap:
Structural anticline

Productive Area:
Proved: 5200 Acres
Unproved:
Approved Spacing: 40 Acres
No. of Producing Wells: 37
No. of Injection Wells: -
No. of Abandoned Wells: -
No. of Dry Holes: -
No. of SWD Wells: -

Thickness & Lithology of Reservoir Rock: Up to 60' thick
w/ top 30' usually a shaley, fine to fine med. grained fairly well
cemented Qtz. as; lower part is less shaley & has higher percentage of
clean productive ad w/ streaks of clay quartzitic sand.

Continuity of Reservoir Rock:
Continuous over field area

RESERVOIR DATA

Oil Column: Originally approx. -3660'

Drive Mechanism:
Partial water drive/sol. gas

Character of Oil: -
Character of Gas: - 'Character of Produced Water: -

Initial Field Pressures:
BHP = 2050 psi

Porosity & Permeability of Pay Zone: 15-16% porosity;
Avg. perm. = 66 md

Completion Practices:
Drill top 8-10 feet and perforate or open hole

Estimated Ultimate Recovery:

Remarks:
This reservoir has been producing for 33 years. Cum. prod. to 1-84 = 14,572,297 B0;
1983 production = 109,866 B0 from 37 wells.