FLODINE PARK
Oil
T. 35 N., R. 20 W., NMPM
Montezuma County, Colorado

GEOLGY
Regional Setting: Southeast part of Paradox Basin along north margin of a broad shallow marine platform
Surface Formations: Cretaceous, Dakota Sandstone and Burro Canyon Formation; Jurassic, Morrison Formation
Exploration Method Leading to Discovery: Surface mapping, subsurface geology, and minor geophysics
Type of Trap: Stratigraphic, markedly influenced by structure
Producing Formation: Ismay Zone of Paradox Formation
Gross Thickness and Lithology of Reservoir Rocks: Approximately 80 feet of lenticular bioclastic carbonates; two zones or three
Geometry of Reservoir Rock: Stacked mound-like carbonate builds, generally elongate northeast
Other Significant Shows: None
Oldest Stratigraphic Horizon Penetrated: Akah Zone of Paradox Formation

DISCOVERY WELL
Name: Lion Oil, Division of Monsanto Chemical Co. No. 1 Retherford
Location: SW NE (1650’ FNL and 2310’ FEL) sec. 15, T. 35 N., R. 20 W.
Elevation (KB): 5,327 feet
Date of Completion: April 16, 1959
Total Depth: 6,100 feet
Production Casing: 5½” to 6,018 feet with 250 sacks of cement
Perforations: 5,862 to 5,872 feet (20 perforations), 5,944 to 5,950 feet (12 perforations)
Stimulation: Treated with mud acid (300 to 500 gallons)
Initial Potential: Flowed 400 BOD on 25/64” choke (gas-oil ratio 820:1, tubing pressure 125 psi, casing pressure 325 psi)
Bottom Hole Pressure: 2,212 psia

DRILLING AND COMPLETION PRACTICES
Surface casing 7 5/8” to 13 5/8”, set from 100 to 300 feet, production casing, 4½” to 5½” to total depth, perforated from log interpretation, acidize with 3,000 to 7,000 gallons, 15 percent mud acid.

RESERVOIR DATA
Productive Area:
Proved (as determined geologically): 1,440 acres
Unproved: Unknown
Approved Spacing: 80 acres

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