

ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM

Author: Charles D. Preston
Affiliation: Mesa Petroleum Co.
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Field Name: Shoebar Wolfcamp, North
Location: T-16-S, R-35, 36-E, Sec. 13, 14, 7, 18
County & State: Lea County, New Mexico

Discovery Well: Pubco #1 Skelly-State, NE/4 SE/4 Section 14, T-16-S, R-35-E: TD 13,200',
IPF 336BOPD, 588 MCFPD, completed 3-16-73.

Exploration Method Leading to Discovery:

Seismic Strawn and Devonian prospect, subsurface Wolfcamp, Morrow and Strawn prospect.

Pay Zone:

Formation Name: Wlfc. Three Brothers Depth & Datum Discovery Well: 10,456 (-6469)

Lithology Description:

Limestone, white to tan, crystalline, fossiliferous, dolomitic in part, clean. Porosity is intercrystalline, micromoldic, and vuggy.

Approximate average pay: 78 gross 24 net Productive Area 1280 acres

Type Trap: Stratigraphic-Wolfcamp Three Brothers shelf edge crosses a broad ridge. This is a younger, parallel shelf edge similar to the one which produces in Townsend field. Field limited by stratigraphic updip and downdip pinchout of porosity and by oil/water contact off of broad ridge.

Reservoir Data:

8 % Porosity, 0.1-20 Md Permeability, 15-35 % Sw, 65-85 % So

Oil: API Gr @ 60° F. - 40

Gas: Gr 0.870

Water: Na+K, 15.5 Ca, Nil Mg, 97,000 Cl, 950 SO₄, 185 CO₂, or HCO₃, 40 Fe

Specific Gravity 1.108 Resistivity 0.060 ohms @ 71 °F

Initial Field Pressure: 4120 psi @ 10,530 datum Reservoir Temp. 158 °F

Type of Drive:

Solution g s

Normal Completion Practices:

Perf with 2 JSOF, acidize with 3000 gallons.

Type completion:

Flowing and pumping

Normal Well Spacing 160 Acres

Deepest Horizon Penetrated & Depth:

Devonian 13,200 (-9213)

Other Producing Formations in Field:

Strawn and Morrow

EXHIBIT H

Production Data:

YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN MMCF		YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN MMCF	
		Prod.	S.I. or Abd.	ANNUAL	CUMULATIVE			Prod.	S.I. or Abd.	ANNUAL	CUMULATIVE
74	OIL	3		175,696	175,696		OIL				()
	GAS			327	327		GAS				
75	OIL	5		181,885	357,581		OIL				
	GAS			314	641		GAS				
	OIL						OIL				
	GAS						GAS				
	OIL						OIL				
	GAS						GAS				