BLANCO PICTURED CLIFFS
(Gas)
T. 28-32 N., R. 7-12 W., NM PM
San Juan and Rio Arriba Counties,
New Mexico

GEOLOGY

Regional Setting: San Juan Basin
Surface Formations: Tertiary, San Jose and Nacimiento Formations
Exploration Method Leading to Discovery: Subsurface geology
Type of Trap: Stratigraphic
Producing Formation: Cretaceous, Pictured Cliffs Sandstone
Gross Thickness and Lithology of Reservoir Rocks: 60 to 150 feet medium- to very fine grained sandstone
Geometry of Reservoir Rock: Lenticular beach and bar sandstones
Other Significant Shows: Cretaceous, Farmington Sandstone
Member of Kirtland Shale, Fruitland Formation, Mesaverde Group, and Dakota Sandstone
Oldest Stratigraphic Horizon Penetrated: Jurassic, Morrison Formation

DISCOVERY WELL

Name: Huntington Park Oil Company No. 1 Goede
Location: SE SE (990' FSL and 330' FEL) sec. 29, T. 30 N., R. 9 W., NM PM
Elevation (KB): 5,840 feet
Date of Completion: December, 1927
Total Depth: 4,550 feet
Production Casing: 6 5/8" at 2,190 feet
Perforations: None
Stimulation: None
Initial Potential: Unknown
Bottom Hole Pressure: Unknown

DRILLING AND COMPLETION PRACTICES

Original; drill surface hole and set casing at approximately 120 feet. Drill top of Pictured Cliffs Sandstone and set casing. Rig up cable tool rig and drill through Pictured Cliffs section. Pack open hole with nitroglycerine and explode. At a later date the explosive was replaced by sand-oil and sand-water fracturing the open hole. Present; drill surface hole and set casing at approximately 120 feet. Drill to total depth and set completion string of casing. Selectively perforate and sand-water fracture the Pictured Cliffs pay zone.

RESERVOIR DATA

Productive Area:
Proved (as determined geologically): 73,120 acres
Unproved: 0 acres
Approved Spacing: 160 acres
No. of Producing Wells: 457
No. of Abandoned Wells: 1
No. of Dry Holes: Unknown
Average Net Pay: 40 feet
Porosity: 15 percent
Permeability: Unknown
Water Saturation: 50 percent
Initial Field Pressure: 850 psi
Type of Drive: Gas expansion with water encroachment
Gas Characteristics and Analysis: Specific gravity 0.671;
(percen) methane 86.12, ethane 6.82, propane 3.50,
butane 1.60, pentane 0.46, hexane 0.25, other 1.25; Btu
1,168
Oil Characteristics and Analysis: Not available
Associated Water Characteristics and Analysis: Not available
Original Gas, Oil, and Water Contact Datums: Unknown
Estimated Recovery: 818,357,633 MCFG
Present Daily Average Production: 77,882 MCFG
Market Outlets: El Paso Natural Gas Company Pipeline,
Northwest Energy Company Pipeline, Southern Union
Gas Company Pipeline

By: C. F. Brown
El Paso Natural Gas Company

Oil and Gas Fields of the Four Corners Area]