SIERRA
(Oil)
T. 35 N., R. 13 W., NMPM
Montezuma County, Colorado

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below the last coal bed and just above the lower Dakota sandstone. Completion is open hole and natural.

RESERVOIR DATA

Productive Area:
Proved: Sierra Field is in two areas separated by dry holes (see map), 70 to 80 acres total
Unproved: In south area approximately 10 to 20 acres
No. of Producing Wells: 9
No. of Abandoned Wells: 7
No. of Dry Holes: Many, due to random and inexpensive shallow drilling

Average Net Pay: 22 feet
Porosity: 18 to 20 percent
Permeability: 700 millidarcies
Water Saturation: 35 percent
Initial Field Pressure: 227 psig north area, 313 psig south area

Type of Drive: Solution gas and downdip water encroachment
Gas Characteristics and Analysis: None
Oil Characteristics and Analysis: 35° API gravity
Associated Water Characteristics and Analysis: 0.21 ohm at 90° F north area, 2.56 ohms at 76° F south area

Original Gas, Oil, and Water Contact Datums: Unknown
Estimated Primary Recovery: 159,000 BO
Type of Secondary Recovery: None
Estimated Ultimate Recovery: 159,000 BO
Present Daily Average Production: 25 BOD

Market Outlets: Giant Refining, Permian Corporation, trucked to Farmington, New Mexico. Original gas sales were to Peoples Natural Gas for distribution and sales in Mancos, Colorado.

FIELD COMMENTARY

See commentary for Menefee Mountain this volume.

REFERENCES

Personal files.