

AZTEC OIL & GAS COMPANY

Data Sheet

Reservoir Rock and Fluid Properties
Totah-Gallup Field
San Juan County, New Mexico

Proposed Aztec Totah Pressure Maintenance Project

EXHIBIT No. 5

Original Reservoir Pressure, psig @ + 200'	1623
Reservoir Temperature, °F.	155 ✓
Saturation Pressure @ 155° F., psig	1463
Estimated Original Solution Gas-Oil Ratio, Cu. Ft./Bbl.	550 -
Formation Volume Factor @ 1623 psig	1.360
Crude Viscosity, cp @ 1463 psig and 155° F.	.470
Crude Gravity, °API	41
Producing Mechanism	Solution Gas Drive
Average Porosity, %	14.1
Average Permeability, Md	121.0
Average Water Saturation, %	20
Average Net Pay Thickness, Ft.	Area 1 6.2
	Area 2 9.7
Gas-Oil or Water-Oil Contacts	None Indicated
Type Accumulation	Stratigraphic Trap (Sand Bar)

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LIST OF LESSEES AND ADDRESSES KNOWN TO
APPLICANT WITHIN TWO MILES OF PROPOSED
PROJECT AREA

✓
Texaco, Inc.
P. O. Box 817
Farmington, New Mexico

✓
Pubco Petroleum Corporation
P. O. Box 1419
Albuquerque, New Mexico

✓
Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico

✓
Humble Oil & Refining Company
P. O. Box 120
Denver, Colorado

✓
Elliot, Inc.
P. O. Box 703
Roswell, New Mexico

✓
Southern Union Production Company
Fidelity Union Tower
Dallas 1, Texas

✓
Sunray Mid-Continent Oil Company
P. O. Box 381
Tulsa, Oklahoma

✓
Gas Producers Corporation
P. O. Box 176
Dallas, Texas

✓
Aspen Crude Purchasing Company
P. O. Box 2060
Farmington, New Mexico

✓
Southwest Production Company
3108 Southland Center
Dallas, Texas

✓
R. B. Moncrief
1417 W.T. Waggoner Building
Fort Worth, Texas

✓
Tenneco Oil Company
P. O. Box 1714
Durango, Colorado

✓
Herb's
notes

EXHIBIT "A"

AZTEC TOTAL PRESSURE MAINTENANCE PROJECT AREA

Township 29 North, Range 13 West, N.M.P.M.

Section 18: $S\frac{1}{2}$
Section 19: Lots 1,2,3,4, $E\frac{1}{2}NW\frac{1}{2}$, $E\frac{1}{2}$
Section 20: $SE\frac{1}{4}NE\frac{1}{4}$, $NW\frac{1}{4}$, $S\frac{1}{2}$
Section 29: All
Section 30: Lots 1,2, $E\frac{1}{2}NW\frac{1}{4}$, $NE\frac{1}{4}$, $NW\frac{1}{4}SE\frac{1}{4}$, $NE\frac{1}{4}SE\frac{1}{4}$
Section 34: All

San Juan County, New Mexico

AZTEC OIL & GAS COMPANY

Casing Programs
Producing Wells to be Converted to Injection Wells
Proposed Aztec ~~5115~~-Totah Pressure Maintenance Project
Totah-Gallup Field
San Juan County, New Mexico

Case 2483

Well No.	Location	Surface Casing				Production Casing				Injection		Perfs
		Size OD (")	Depth (')	Top Depth (')	Base Depth (')	Size OD (")	Depth (')	Top Depth (')	Base Depth (')	Size OD (")	Est Depth Pkr (')	
Hagood #7-G	710 FNL, 390 FEL, Sec. 29-29N-13W	8-5/8	321	225	Surface 321	4-1/2	5500	250 150	4400-5500 920-1533	2-3/8	5300	5352-76
Hagood #16-G	2310 FSL, 330 FEL, Sec. 29-29N-13W	8-5/8	203	175	Surface 203	4-1/2	5675	250 150	4500-5675 1400-1737	2-3/8	5560	5614-26
Hagood #27-G	2130 FSL, 3450 FEL, Sec. 19-29N-13W	8-5/8	199	225	Surface 199	4-1/2	5199	250 150	3925-5199 900-1207	2-3/8	5050	5104-16
Hagood #28-G	765 FNL, 3175 FEL, Sec. 30-29N-13W	8-5/8	203	175	Surface 203	4-1/2	5355	250 150	4015-5355 1060-1438	2-3/8	5150	5210-26 5246-52
Smith "C" #1	705 FSL, 2110 FEL, Sec. 18-29N-13W	8-5/8	200	225	Surface 200	4-1/2	5085	250	3850-5085 725-1166	2-3/8	4900	4950-80 5022-30 5064-74
Hagood #13-G	660 FSL, 660 FEL, Sec. 34-29N-13W	8-5/8	320	225	Surface 320	4-1/2	5799	250 150	4800-5799 1520-1926	2-3/8	5630	5682-94 5726-34
Hagood #14-G	700 FEL, 2100 FNL, Sec. 34-29N-13W	8-5/8	191	140	Surface 191	4-1/2	5752	250 150	4625-5752 1410-1855	2-3/8	5600	5656-73

JTB:eta
12-26-61

SMITH "C"