

COMPARISON OF
PERTINENT RESERVOIR DATA
TOTAH GALLUP, CHA CHA GALLUP,
AND SIMPSON GALLUP POOLS
SAN JUAN COUNTY, NEW MEXICO

*other pools
grad 1.32 psi/ft.*

	<u>Totah Gallup Pool</u>	<u>Cha Cha Gallup Pool</u>	<u>Simpson Gallup Pool</u>
Original Reservoir Pressure, psig	1623 ⁽⁺²⁰⁰⁾	1560 ⁽⁺⁴⁰⁰⁾	1640 <i>estimated</i>
Reservoir Temperature, °F.	155	158	158
Saturation Pressure, psig	1463	1560	1640
Solution Gas-Oil Ratio, cu. ft./bbl.	615	649	678
Formation Volume Factor	1.377	1.392	1.406
Crude Viscosity At Bubble Point Pressure, cp.	0.470	0.415	0.418
Average Crude Gravity, °API	41.0	43.0	41.0
Producing Mechanism	Solution Gas Drive	Solution Gas Drive	Solution Gas Drive
Average Porosity, %	14.33	15.0	12.6
Average Permeability, md.	143.2	53.7	60.7
Average Water Saturation, %	20.0	30.0	30.0
Average Net Pay Thickness, ft.	5.2	6.5	6.0
Type Accumulation	Sand Bar	Sand Bar	Sand Bar

1st well - # 83 - 3.6' net pay (from > 1 mi)
BHP

125 2nd well date 5-7-62 BHP 7-1-62 SI 73 hrs 1346 4625
123 3rd " 6-7-62 " 7-1-62 SI 73 hrs 1518 1190
126 4th " 9-9-62 " 26 hrs 1538 74 hrs
128 5th " 10-3-62 " 74 hrs 1538
10-8-62

date + 150 ft

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
PANAM EXHIBIT NO. 4
CASE NO. 2682