

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 1-22-65

Pool BASIN DAKOTA Formation DAKOTA County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 7/2/62
 Company ARTEL OIL & GAS CO Lease OLIVER Well No. 1
 Unit A Sec. 25 Twp. 31N Rge. 12W Purchaser _____
 Casing 4 1/2 wt. 9.5 I.D. 4.000 Set at 7130 Perf. 6950 To 7078
 Tubing 2 3/8 wt. 4.7 I.D. 1.995 Set at 6863 Perf. Per Callan To _____
 Gas Pay: From 6950 To 7078 L 6863 xG 200 mt. GL 4804 Bar. Press. 12
 Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE - GAS
 Date of Completion: 7/2/62 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Meter) Type Taps _____

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Pre-Test) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI	2"					1883	1884	
1.		3/4"				189	60°mt	534
2.								
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		201	1.000	.9258	1.025	2,302
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1-e⁻⁸)
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1896 P_c 3,544,819

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	F _g F _g
1.	546					289,116	3,303,703		1.88
2.									
3.									
4.									
5.									

Absolute Potential: 2450 MCFPD; n .75
 COMPANY ARTEL OIL & GAS CO
 ADDRESS DEANER 570, FARMINGTON, N. MEX.
 AGENT and TITLE B. D. McNamee OUTRUST ENGINEER
 WITNESSED _____
 COMPANY _____

REMARKS

