

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County San Juan
Initial XX Annual _____ Special _____ Date of Test August 6, 1964
Company Astec Oil & Gas Co. Lease Thompson Well No. 4
Unit L Sec. 27 Twp. 31N Rge. 12W Purchaser Souther Union Gas Co.
Casing 3-1/2 Wt. 6.9 I.D. 3.12 Set at 5225 Perf. 4914 To 5131
Tubing 1-1/2 Wt. 2.8 I.D. 1.6 Set at 4830 Perf. open ended To _____
Gas Pay: From 4914 To 5131 L 4830 xG .700 est -GL .3381 Bar.Press. _____
Producing Thru: Casing _____ Tubing XXX Type Well Single gas
Single-Bradenhead-G. G. or G.O. Dual _____
Date of Completion: 7/30/64 Packer none Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	7 days	3/4				1006		1006		
1.						328	60° est	821	60° est	3 hr.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		340	1.000	.9258	1.041	4052
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 1018 P_c 1026144

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	P _w / P _c
1.	833					693889			
2.									
3.									
4.									
5.									

Absolute Potential: 9441 MCFPD; n .75COMPANY Astec Oil & Gas Co.ADDRESS Drawer 570, Farmington, New MexicoAGENT and TITLE Carl E. Jameson, Dist. Engr.

WITNESSED _____

COMPANY _____

REMARKS