

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County Sandoval
 Initial X Annual _____ Special _____ Date of Test 8/1/61
 Company Agua Oil & Gas Co. Lease Coyzens Well No. 6-D
 Unit 1 Sec. 18 Twp. 29N Rge. 11W Purchaser Southern Union Gas Co.
 Casing 4 1/2" Wt. 9.5 I.D. 4.090 Set at 6509 Perf. 6221 To 6458
 Tubing 2 3/8" Wt. 4.7 I.D. 1.995 Set at 6215 Perf. Packer To _____
 Gas Pay: From 6221 To 2458 L 6215 X 0.750 GL _____ Bar. Press. 12
 Producing Thru: Casing _____ Tubing X Type Well Single
 Date of Completion: 7/31/61 Packer _____ Reservoir Temp. _____
 Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through () (Choke) () 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.	
1.		0.750				1962	757	7 days
2.						287	80	3 hrs.
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-MCFD @ 15.025 psia
1.	12.365		299	0.9813	0.8944	1.032	3349
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 1979 P_c 3.896 676

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.									
2.									
3.									
4.									
5.									

Absolute Potential: 3789 MCFPD; n 0.75
 COMPANY Agua Oil & Gas Co.
 ADDRESS Denver 570, + Albuquerque, N.M.
 AGENT and TITLE H. M. Stuckey, Jr. Engineer
 WITNESSED _____
 COMPANY _____

REMARKS

