

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-12

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-5

Pool Basin Dakota Formation DAKOTA Count SAN JUAN
 Initial ✓ Annual ✓ Special ✓ Date of Test 10/4/61
 Company Azteco Oil & Gas Co. Lease Manlyum Well No. 5-D
 Unit I Sec. 29 Twp. 29N Rge. 11W Purchaser SOUTHERN UNION GAS
 Casing 4 1/2 Wt. 11.6 I.D. 4.000 Set at 6231 Perf. 5956 To 6060
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 5946 Perf. PERF NIPPLE To 5916
 Gas Pay: From 5956 To 6060 L 5913 xG .70(E) -GL 3843 Bar.Press. 12
 Producing Thru: Casing ✓ Tubing ✓ Type Well SINGLE GAS
 Date of Completion: 9/23/61 Packer NONE Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. ---

OBSERVED DATA

Tested Through (Pressure) (Choke) (Meter)

Type Taps ---

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Pressure) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI	<u>9 days</u>	<u>SI</u>						
1.	<u>2"</u>	<u>3/4"</u>				<u>1996</u>	<u>80(E)</u>	<u>3 Hrs.</u>
2.						<u>290</u>	<u>844</u>	
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_c}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>12.365</u>		<u>302</u>	<u>.9813</u>	<u>.9258</u>	<u>1.032</u>	<u>3501</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 1.0 cf/bbl.
 Gravity of Liquid Hydrocarbons deg.
 P_c (1-e⁻⁸)

Specific Gravity Separator Gas ---
 Specific Gravity Flowing Fluid ---
 P_c 2008 P_c 4,032,064

No.	F _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.	<u>156</u>								
2.									
3.									
4.									
5.									

Absolute Potential: 4069 MCFPD: n .75
 COMPANY Azteco Oil & Gas Co.
 ADDRESS Drawer #570, Farmington, N. Mexico
 AGENT and TITLE B.H. Means, Dist. Engineer
 WITNESSED ---
 COMPANY ---

REMARKS