

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
 Initial X Annual _____ Special _____ Date of Test 6-8-64
 Company Astec Oil & Gas Company Lease F. J. TIT Well No. 2
 Unit M Sec. 35 Twp. 31N Rge. 11W Purchaser Southern Union Gathering Company
 Casing 4-1/2" Wt. 10.5 I.D. 4.009 Set at 7029 Perf. 6731 To 6950
 Tubing 2-3/8" Wt. 4.7 I.D. 1.995 Set at 6715 Perf. Pin Collar To _____
 Gas Pay: From 6731 To 6950 L 6715 xG .700 xH 4700 Bar. Press. 12
 Producing Thru: Casing _____ Tubing X Type Well Single Gas
 Single-Bradenhead-G. G. or O.O. Dual _____
 Date of Completion: 5-22-64 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Choke) (Meter)Type Tape Flange

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.	
1.	7 days	3/4				1918		1918		3 Hour
2.	2 days					193	60°(est)	193	60°(est)	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wp}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 14.7 psia
1.	12.365		195	1.000	.9258	1.026	2287
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1-5)

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1930 P_c 3.724, 900

(1.878766)

No.	P _w P _t (psia)	F _t	F _{cQ}	(F _{cQ}) ²	(F _{cQ}) ² (1-e ^{-s})	P _w ²	P _w ² - P _t ²	Cal. P _h	P _h P _t
1.	672					451,584	3,273,316		
2.									
3.									
4.									
5.									

Absolute Potential: 2524 MCFPD; n .75COMPANY Astec Oil & Gas CompanyADDRESS Box 570, Farmington, New MexicoAGENT and TITLE Carl Jameson, District Engineer

WITNESSED

COMPANY

REMARKS

