

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial XXX Annual _____ Special _____ Date of Test 8/10/64
Company Aztec Oil & Gas Co. Lease Davis Well No. 13D
Unit C Sec. 1 Twp. 31N Rge. 12W Purchaser Souther Union Gas Co.
Casing 4-1/2 Wt. 10.5 I.D. 4.009 Set at 7580' Perf. 7304 To 7438
Tubing 2 3/8" Wt. 4.7 I.D. 1.995 Set at 7315 Perf. pinned collar To _____
Gas Pay: From 7304 To 7438 L 7315 xG .700(est) -GL 5121 Bar.Press. _____
Producing Thru: Casing _____ Tubing XX Type Well Single Gas
Date of Completion: 8/3/64 Packer xx Reservoir Temp. _____ xx

OBSERVED DATA

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

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(<u>Prover</u>) (Line) Size	(<u>Choke</u>) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	7 days					1946		1953		
1.	2"	3/4"				317	60° est	9.4	60° est	3hr
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		329	1.000	.9258	1.042	3924
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1967 P_c 3,869,089

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	926					857,476	3,011,613		
2.									
3.									
4.									
5.									

Absolute Potential: 4736 MCFPD; n .75
COMPANY Aztec Oil & Gas Co
ADDRESS Drower 570, Farmington, New Mexico
AGENT and TITLE Carl E. Jameson Dist. Engr.
WITNESSED _____
COMPANY _____

REMARKS

