

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/22/67	
Company Aztec Oil and Gas		Connection Southern Union Gathering	
Pool Basin		Formation Dakota	
Completion Date 8/4/67		Total Depth 7469	Plug Back TD 7408
Elevation 6136 Gr		Farm or Lease Name Hubbard	
Csg. Size 3 1/2"	Wt. 7.7#	Set At 7469'	Perforations: From 7279 To 7387
Tbg. Size 1 1/2"	Wt. 2.75#	Set At 7200'	Perforations: From open ended To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual		Packer Set At 7200'	
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F @
Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	
Taps			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	2"		3/4"				1454		754		
2							64	60(est)	757	60(est)	3 hr
3											
4											
5											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		76	1.000	.9258	1.009	878
2							
3							
4							
5							

NO.	P _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1			A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2			Specific Gravity Separator Gas _____ X X X X X X X X
3			Specific Gravity Flowing Fluid _____ X X X X X
4			Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5			Critical Temperature _____ R _____ R

P _c 1466	P _c ² 2,149,156	
NO.	P _i ²	P _w
1	5776	69,896
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0336$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 900$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0251$

Absolute Open Flow _____ 900 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .75
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>Joe E. Palmer</i>	Checked By:
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