

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-3-84				
Company Consolidated Oil & Gas					Connection Gas Company of New Mexico				
Pool B.S. Mesa Gallup					Formation Gallup				
Completion Date 11-12-84		Total Depth 8480		Plug Back TD 8424		Elevation 7239 GR		Farm or Lease Name Huron	
Csg. Size 5 1/2	Wt. 15.5	d 4.950	Set At 8469	Perforations: From 7213 To 7747		Well No. 4 E			
Tbg. Size 1 1/2	Wt. 2.76	d 1.610	Set At 7709	Perforations: From To		Unit A	Sec. 2	Twp. 26	Rise 4
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual Gas					Packer Set At 7850		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Cg .650 est.	% CO ₂	% N ₂	% H ₂ S	Prover 6" x 3/4"	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.	
SI	7 days						1331		1349	
1.	2" X 3/4"						59	60	560	3 hours
2.										
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	11.00		71	1.000	1.240	1.000	968
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ l/cf/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 1361	P _c ² 1852321	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2136$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1562$
NO	P _t ²	P _w	P _w ²
1		571	326041
2			
3			
4			
5			

Absolute Open Flow 1119 Mcfd @ 15.025		Angle of Slope 53.13°	Slope, n 0.75
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Remarks:

Approved by Division	Conducted By:	Calculated By:	Checked By:
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