

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-27-84	
Company Consolidated Oil & Gas				Connection Northwest Pipeline	
Pool BS Mesa Gallup				Formation Gallup	
Completion Date 11-1-84		Total Depth 8450		Plug Back TD 8390' (CO)	
				Elevation 7247' GR	
Farm or Lease Name Hoyt				Well No. 2E	
Csg. Size 5 1/2"	Wt. 15.5#	d 4.950	Set At 8437	Perforations: From 7336 To 7716	
Trg. Size 2 1/16"	Wt. 3.25	d 1.751	Set At 7683	Perforations: From To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Multiple Gas				Packer Set At 7760	
County Rio Arriba				State New Mexico	
Producing Thru 169.		Reservoir Temp. °F #		Mean Annual Temp. °F	
				Baro. Press. - P _a	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

SI 11-19-84 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	
SI	8 days						919		917		
1.	3/4"x6" pos. ck.						28		318		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		40	1.000	1.24	1.000	545.6
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _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 931	P _c ² 866761	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1437$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1059$
NO.	P _t ²	P _w	P _w ²
1		330	108900
2			
3			
4			
5			

Absolute Open Flow 603.4 Mcfd @ 15.025		Angle of Slope @ 53.13°	Slope, n 0.75
Remarks:			

Approved By Division	Conducted By:	Calculated By: Dale R. Rind	Checked By:
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