

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5/21/84		RECEIVED JUN 15 1984 OIL CON. DIV. DIST. 3	
Company Consolidated Oil & Gas, Inc.		Connection Southern Union			
Pool Undesignated Gallup		Formation Gallup		Unit DIST. 3	
Completion Date		Total Depth 6800'	Plug Back TD 6754'	Elevation 5834' KB	Farm or Lease Name Payne
Csg. Size 5 1/2	Wt. 17# & 15.5#	d 4.950	Set At 6796'	Perforations: From 5634 To	Well No. 2-E
Tub. Size 2 1/16	Wt. 3.25#	d 1.751	Set At 5918	Perforations: From To	Unit Sec. Twp. Rge. E 35 31 13
Type Well - Single - Blindhead - G.G. or G.O. Multiple Dual gas				Packer Set At 5992	County San Juan
Producing Thru Tubing		Reservoir Temp. °F p	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	
SI							1067	60	1221	60	
1.	2 X 6 X 3/4						52		249		3 hours
2.	positive choke										
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		64	1.000	1.240	1.000	873.0
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	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 1233	P _c ² 1520.3	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0469$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0350$
NO.	P _t	P _w	P _w ²
1		261	68.1
2			
3			
4			
5			

Absolute Open Flow 903.5 Mcfd @ 15.025		Angle of Slope @ 53.13	Slope, n 0.75
Remarks:			

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