

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: 10/30/80	
Company		Consolidated Oil & Gas			
Well		Formation		Unit	
Basin		Dakota			
Completion Date		Total Depth		Plug Back TD	
10/23/80		6963'		6921'	
Elevation		5829' GL			
Farm or Lease Name		Robinson Bros.			
Well No.		1-M			
Perforations:		From 6714 To 6915			
Unit		Sec.		Twp.	
N		34		32	
Rge.		13			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At		County	
G.G. Dual		4842'		San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F	
Tbg		0.670		Baro. Press. - P _a	
State		New Mexico			
L		H		Gg	
				0.670	
% CO ₂		% N ₂		% H ₂ S	
				Prover	
Meter Run		Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
O.	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							1500				7 Days
2	Choke 0.75						85				3 Hrs
3											
4											
5											

RATE OF FLOW CALCULATIONS							
O.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		97	0.9971	0.9463	1.009	1142
2							
3							
4							
5							

P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
				Specific Gravity Separator Gas _____ X X X X X X X X
				Specific Gravity Flowing Fluid _____ X X X X X
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
				Critical Temperature _____ R _____ R

P _c 1512	P _c ² 2286144	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0494$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0368$
P _t ²	P _w	P _w ²	P _c ² - P _w ²
97	328	107584	2178560

Absolute Open Flow 1184 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 0.75	
Remarks: _____					

Approved By Commission:	Conducted By: Wilson Service Co	Calculated By: Wilson Service Co	Checked By:
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