

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/13/69	
Company Jerome P. McHugh				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 11/5/69		Total Depth 8217'		Plug Back TD 8180'		Elevation 7099' Gr.
Csg. Size 4.500	Wt. 10.5&11.6	d 1.380	Set At 8217'	Perforations: From 7972' To 8159'		Well No. 7
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 8131'	Perforations: From Open ended		Unit Sec. Twp. Rge. D 20 26N 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At ---		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		State N. M.
L	H	Gg .65	% 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.	
SI							1972		2220	
1.										
2.	3/4"			95		66°			1096	3 hrs.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		107	.9943	.9608	1.011	1278
2.							
3.							
4.							
5.							

NO.	P _r	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 2232	P _c ² 4,981,824	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \mathbf{1.3270}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \mathbf{1.2364}$
NO.	P _t ²	P _w	R _w ²
1			
2	1108	1,227,664	3,754,160
3			
4			
5			

Absolute Open Flow 1580 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Hvy. spray oil			
Approved By Commission:		Conducted By:	Calculated By: Jim L. Jacobs
			Checked By: