

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 4-26-80	
Company Consolidated Oil & Gas Co.				Connection Gas Co. of New Mexico		
Pool Basin				Formation Dakota		Unit
Completion Date 4-14-80		Total Depth 7035'		Plug Back TD 7035'		Elevation 5929'
Csg. Size 5.500	Wt. 15.5#	d 4.950	Set At 7035'	Perforations: From 6802' To 7025'		Well No. 1-M
Tbg. Size 1.900	Wt. 2.90#	d 1.610	Set At 6971'	Perforations: From To		Unit Sec. Twp. Rge. C 18 31 12
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas- Gas Dual				Packer Set At 6568'		County San Juan
Producing Thru X		Reservoir Temp. °F P		Mean Annual Temp. °F 12		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.	
SI	2"		0.750				1385			
1.				130				70		
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	12.365		142	0.9905	0.9608	1.012	1691
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 1397 P _c ² 1951609				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	20164	488	238144	1713465
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1390$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1864$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1390$

Absolute Open Flow	1864	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
--------------------	------	----------------	------------------	--------------

Remarks: _____

Approved By Commission:	Conducted By: <i>Sonny Wilson</i>	Calculated By: <i>Sonny Wilson</i>	Checked By:
-------------------------	--------------------------------------	---------------------------------------	-------------

