

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-127
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5/20/80	
Company Consolidated Oil & Gas				Connection Gas Co of New Mexico		
Pool Basin				Formation Dakota		Unit
Completion Date 5/6/80		Total Depth 6850'		Plug Back TD 6782'		Elevation 5775'
Csg. Size 5.500		Wt. 15.5		Set At 4.950		Perforations: From 6453' To 6707'
Tbg. Size 1.900		Wt. 2.750		Set At 1.610		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Dual					Packer Set At 6400'	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		Baro. Press. - P _a 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
1	2"		0.750	250		64	1280				3 Hrs
2											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		262	0.9962	0.9608	1.026	3181
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ °R

P _c 1292	P _c ² 1669264	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9266$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6353$
NO.	P _t ²	P _w	P _w ²
1	68644	896	902816
2			
3			
4			
5			

Absolute Open Flow _____ 5202 _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
Remarks: _____			
Approved By Commission:	Conducted By: <i>W. L. ...</i>	Calculated By: <i>W. L. ...</i>	Checked By: <i>W. L. ...</i>