

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 4-10-80	
Company Consolidated Oil & Gas, Inc.				Connection	
Pool Blanco Mesa Verde				Formation Mesa Verde	
Completion Date		Total Depth 7060		Plug Back TD 7041	
Csg. Size 5 1/2		Wt. 15.5		Set At 7060	
Perforations: From 4180 To 4825		Well No. 1-M			
Tbg. Size 1 1/4		Wt. 4633		Set At 4633	
Perforations: From To		Unit Sec. Twp. Rge. C 30 31 12			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual gas				Packer Set At 6821	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico			
L H Gg		% CO ₂		% N ₂	
Prover 6" nipple		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.	
1	7 days +						1039		1039	
2	2 X 3/4						102	60	841	3 hours
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, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		114	1.000	1.240	1.011	1572
2							
3							
4							
5							

NO.	P _f	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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

P _c 1151 P _c ² 1324801		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2184$		(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 8177$	
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	
1		853	727609	597192	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2857$

RECEIVED
APR 25 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow <u>2857</u> Mcfd @ 15.025		Angle of Slope θ _____ Slope, n <u>75</u>	
Remarks: _____			

Approved By Commission:	Conducted By: Neil Tefteller	Calculated By: Neil Tefteller	Checked By:
-------------------------	---------------------------------	----------------------------------	-------------