

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 4-7-79			
Company Great Western Drilling Co.				Connection					
Pool Blanco Mesa Verde				Formation Mesaverde				Unit	
Completion Date 3-12-79		Total Depth 5850'		Plug Back TD 5743		Elevation 6607 GL		Farm or Lease Name J E DECKER	
Csg. Size 7"	Wt. 20#	d	Set At 3300'	Perforations: From 4776 To 5673		Well No. 1-A			
Tbg. Size 1 1/2"	Wt. 1.90#	d	Set At 5612'	Perforations: From To		Unit Sec. Twp. Rge. P 7 32N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S	Prover X	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	
SI	7 days						966		960		
1.	2" X 3/4"						250	60	917		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS 1.103

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	9.453		262	1.000	1.240	1.027	3,154
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	978	956484	929	863041	03443
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{10.2360}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{18,049}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5.7227}$

Absolute Open Flow 18,049 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 0.75
--	--	-------------------------------	--	----------------------

Remarks: **7" with 1 1/2" (Liner) 3173-5850'**

Approved By Commission:	Conducted By:	Calculated By: <i>D.E. Bay</i>	Checked By:
-------------------------	---------------	-----------------------------------	-------------