

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 4-8-79	
Company Great Western Drilling Co.				Connection		
Pool Blanco Mesaverde				Formation Mesaverde		Unit
Completion Date 3-31-79		Total Depth 5780'		Plug Back TD 5650		Elevation 6403 GL
Farm or Lease Name J. E. DECKER						
Csg. Size 7-5/8"	Wt. 26#	d	Set At 3245	Perforations: From 4507 To 5559		Well No. 2-A
Tbg. Size 1 1/2	Wt. 1.90	d	Set At 5454	Perforations: From To		Unit Sec. Twp. Rge. I 12 32N 12W
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.	
1.	7 days						940		934	
2.	2" X 3/4"						215	60	865	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.	9.453		227	1.000	1.240	1.023	2,722
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

P _c 952	P _c ² 906304	
NO.	P _t ²	P _w
1.		877
2.		769129
3.		137175
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{6.6069}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{11,217}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4.1210}$

Absolute Open Flow 11,217 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n 0.75
Remarks: 7-5/8" with 1 1/2" (Liner) 3036-5769'		
Approved By Commission:	Conducted By:	Calculated By: <i>E. E. Bay</i>
		Checked By: