

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 10-5-78				
Company Great Western Drilling Co.				Connection El Iaso Natural Gas Co.					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 9-27-78		Total Depth 3035		Plug Back TD 2990		Elevation 6390' GL		Farm or Lease Name J. E. Decker	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3035	Perforations: From 2892 To 2946			Well No. 7		
Thg. Size	Wt.	d	Set At	Perforations: From To			Unit Sec. Twp. Rge. J 12 32N 12E		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas					Packer Set At		County San Juan		
Producing Thru Casing		Reservoir Temp. °F 120 @ 2920'		Mean Annual Temp. °F		Baro. Press. - P ₀ 12.0		State New Mexico	
L	H	Gg 0.65	% 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	
SI									890		1 day
1.	2.0		0.500			60			91		24 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.279			1.000	1.240	1.000	547
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Ebl.
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 _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0108$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0092$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 552$
1				783636	
2					
3					
4					
5					

Absolute Open Flow 552 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			
Approved By Commission: _____		Conducted By: _____	Calculated By: D. E. BAXTER Checked By: _____