

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 8-5-68			
Company Western Oil & Minerals				Connection EPNG					
Pool Ballard PC				Formation PC				Unit A	
Completion Date 7-8-68		Total Depth 2267		Plug Back TD 2210		Elevation 6390		Farm or Lease Name Sinclair	
Csg. Size 4 1/2	Wt. 1	d 1	Set At 2241	Perforations: From 2145 To 2165		Well No. 1			
Tbg. Size 1	Wt. 1	d 1	Set At 2159	Perforations: From 2155 To 2159		Unit A	Sec. 17	Twp. 25	Rge. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% 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	2		7/16				559		559		7 days
1.	2		7/16				117	60	401		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	4.3997		129	1.000	.9608	1.000	545
2.							
3.							
4.							
5.							

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

P _c 571	P _c ² 326.041	
NO.	P _t ²	P _w ²
1	16.641	413
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{326.041}{155.472}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8765$
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1023$	

Absolute Open Flow 1023 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		
Approved By Commission: _____		
Conducted By: <i>W.B. Smith</i>	Calculated By: <i>W.B. Smith</i>	Checked By: _____