

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 9-15-78	
Company Benson Mineral Group, Inc.				Connection None			
Pool Wildcat				Formation Chacra		Unit	
Completion Date 9-15-78		Total Depth 2050		Plug Back TD		Elevation 6871 GR	
Farm or Lease Name Navajo 10-22-7							
Crg. Size 4 1/2"	Wt. 9.5#	d 4.090	Set At 2048	Perforations: From 1706 To 1804		Well No. 1	
Tbg. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 1870	Perforations: Open - ended From To		Unit Sec. Twp. Rge. 10 22N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Sandoval	
Producing Thru Tubing		Reservoir Temp. °F 60		Mean Annual Temp. °F		State New Mexico	
L 1870	H	Gg .60	% 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 months					460	60	480	60	
1.	3/4" choke					58		185		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		70	1.0	1.0	1.0	866
2.							
3.							
4.							
5.							

NO.	P _i	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 492	P _c ² 242064	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = \frac{242064}{203255}$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.160$	
NO.	P _i ²	P _w	P _w ²	P _e ² - P _w ²
1		197	38809	203255
2				
3				
4				
5				

Absolute Open Flow 1005 Mcfd @ 15.025 Angle of Slope 0.85

Remarks: _____

Approved by Commission:	Conducted by: Kurt Nelson	Calculated by: Sue Johnson	Checked by: Paul C. Ellison
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