

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 1/12/79			
Company Atlantic Richfield Company				Connection None					
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit	
Completion Date 12/29/78		Total Depth 4750		Plug Back TD 4653		Elevation 6133		Farm or Lease Name Hammond WN Fed.	
Csg. Size 4 1/2"	Wt. 11.6#	d 4.000	Set At 4749	Perforations: From 4460 To 4622		Well No. 7-A			
Tub. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 4445	Perforations: From To		Unit I 35 27N 8W			
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single Gas						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Buro. Press. - P _a 12.0		State New Mexico	
L 4445	H 4445	G _g 0.590(est)	% CO ₂	% N ₂	% H ₂ S	Prover 2"	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							1082		1084		SI 14 days
1.	2"		0.750	90		66°	160		480		Flow 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, Mhd
1	9.453		102	.9943	1.302	1.008	1258
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.15	526	1.49	.985	0.590 (est)				672	354
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	29584	232	53926	1147290
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0470$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0350$

AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1302$

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DIST. 3

Absolute Open Flow	1302	Mhd @ 15.025	Angle of Slope	0.750
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Remarks: Well test thru 48/64" choke.

Approved By Consultant:	Conducted By: C. R. Thompson, Jr.	Calculated By: Rex Hitchcock, Jr.	Checked By:
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