NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 10/31/77	
Company: Atlantic Richfield Co.		Connection: None			
Pool: Blanco MV		Formation: Mesa Verde		Unit:	
Completion Date: 10/24/77	Total Depth: 5295	Plug Back TD: 5245	Elevation: 6695 GL	Farm or Lease Name: Hammond WN Fed	
Csg. Size: 5½" / Wt.: 15.5# / d: 4.950 / Set At: 5294		Perforations: From 5081 To 5204		Well No.: 7	
Thg. Size: 2 1/16" / Wt.: 3.25# / d: 1.751 / Set At: 5044		Perforations: From To		Unit: B / Sec.: 35 / Twp.: 27N / Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5044	5044	0.755(est)				2"		

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						993		994		7 Days
1.	2"	0.750	165		57	325		621		3 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	9.453		177	1.003	1.151	1.024	1978
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.27	517	1.27	0.953
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.755(est) XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 667 P.S.I.A. _____ P.S.I.A.
Critical Temperature 408 R _____ R

P_c 1006 P_c^2 1012036

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	113569	528	278543	733493
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3797$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2730$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2518$

Absolute Open Flow 2518 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.750

Remarks: Well tested through 48/64 choke.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	C. R. Thompson	C. R. Thompson	