NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 2-16-67	
Company: Marathon Oil Co.	Connection:			
Pool: South Blanco Pictured Cliffs	Formation: Pictured Cliffs		Unit:	
Completion Date: 2/16/67	Total Depth: 2882 KB	Plug Back TD: 7249 KB	Elevation: 6485 GR 6478 KB	Farm or Lease Name: Jicarilla Apache
Csg. Size: 7.625 / Wt.: / d: / Set At: 3033	Perforations: From 2248 To 2882			Well No.: 11
Tbg. Size: 2.375 / Wt.: / d: / Set At: 2919	Perforations: From To			Unit: M / Sec.: 28 / Twp.: 26 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual Gas		Packer Set At: 6970		County: Rio Arriba
Producing Thru: Tbg	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

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					773		775		
1.	2 x 3/4				157	60	320		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		169	1.000	.9608	1.016	2040
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r
1.			
2.			
3.			
4.			
5.			

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DIST. 3

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

P_c 787 P_c^2 619369

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		332	110224	509145
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2165$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1812$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2410$

Absolute Open Flow 2410 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Neil Teffeller	B. E. YESTER