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: 11-5-77		
Company: Marathon Oil Co.		Connection:			
Pool:		Formation: Pictured Cliffs		Unit:	
Completion Date:	Total Depth: 3954	Plug Back TD: 3891G	Elevation: 6483 G.L.	Farm or Lease Name: Jicarilla Apache	
Csg. Size: 4.5 / Wt. / d / Set At: 3953		Perforations: From To		Well No.: 19	
Tbg. Size: 2.375 / Wt.: 4.7 / d / Set At: 3608		Perforations: From 2882 To 2948		Unit: B / Sec.: 28 / Twp.: 26 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual Gas		Packer Set At: 3600		County: Rio Arriba	
Producing Thru: casing	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
		.650				X		

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Csg. ~~TUBING~~ DATA: Press. p.s.i.g.	Temp. °F	~~Tbg.~~ CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	14 days				1017		Pkr		
1.	2 x 3/8				117	60	Pkr		3 Hr.
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	11.00		129	1.000	1.240	1.012	1782
2.							
3.							
4.							
5.							

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

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 1029 P_c^2 1058841

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			22652	1036189
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0219$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0185$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1815$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 1815 Mcfd @ 15.025 Angle of Slope θ _____ Slope n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Archie Hughes	Neil Jefteller	M. E. O'Keefe Marathon Oil Co.