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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: 8/17/78	
Company: Mesa Petroleum Co.	Connection: El Paso Natural Gas			
Pool: Blanco	Formation: Pictured Cliffs			Unit:
Completion Date: 7/31/78	Total Depth: 5665'	Plug Back TD: 5633'	Elevation: 6417' GL	Farm or Lease Name: State Com Q
Csg. Size: 4 1/2" / Wt.: 10.5# / d: / Set At: 5654'	Perforations: From 3076' To 3104'			Well No.: #13A
Tbg. Size: 1 1/4" / Wt.: / d: / Set At: 2972'	Perforations: From To			Unit: J / Sec.: 36 / Twp.: 29N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple		Packer Set At:		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F: 72 Degrees	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.670						

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	2"	.75"	Pitot Tube			1046		1046		
1.						195		192		4 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		Based on NMOCC Manual for Pitot Tube Testing Procedures					
2.							
3.				.9887	.9463	1.020	2407
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .670 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0398$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0337$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2488$

Absolute Open Flow 2488 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mesa Petroleum Co.	Jack Dunning	C.R. Wagner (EPNG)

NMOCC (5) J. Archer Dvr. Office EPNG(4) Texaco (2) DSM MSM J. C. M. M.