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: 7/19/75	
Company: Mesa Petroleum Co.	Connection:			
Pool: Blanco	Formation: Mesaverde			Unit:
Completion Date: 7/12/75	Total Depth: 5710'	Plug Back TD: 5645'	Elevation: 6315' GL	Farm or Lease Name: State Com K
Csg. Size: 10 3/4" / 7" / 4-1/2" / 2-3/8"	Wt.: 32# / 23# / 10.5#	d:	Set At: 150' / 3422' KB / 5705' KB / 5523' KB	Perforations: From 4992' To 5048' / From 5323' To 5500'
				Well No.: 7A
				Unit: P; Sec.: 32; Twp.: 31N; 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:	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					529		529		SI 7 days
1.	1.995 X 0.75				134	68°	466		1 Hr.
2.					133	69°	456		2 Hr.
3.					133	70°	451		3 Hr.
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							
2.	12.365		145	0.9905	0.9463	1.0151	1706
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.2167	53°	1.3874	0.970
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.67 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 669 P.S.I.A. _____ P.S.I.A.
Critical Temperature 382 R _____ R

P_c 541 P_c^2 292,681

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		463	214,369	78,312
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7374$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.688$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,586$

Absolute Open Flow 4,586 MCF/Day Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		William Main	

7/22/75: XC: 3 Skelton, 1 Archer