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	
Company: Mesa Petroleum Co.		Connection: El Paso Natural Gas			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 5/ 9/78	Total Depth: 5591'	Plug Back TD: 5525'	Elevation: 6383' GL	Farm or Lease Name: State Com S	
Csg. Size: 4½" / Wt.: 10.5# / d / Set At: 5586'		Perforations: From 4492' To 5498'		Well No.: 15A	
Tbg. Size: 2 3/8 / Wt. / d / Set At: 5406'		Perforations: From To		Unit: D / Sec.: 36 / Twp.: 32N / Rge.: 12W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple		Packer Set At: 3050'		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: @82 Degree	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65						

	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						872				
1.	2"	.75"	Pitot Tube		82 Degree	453		220		4 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	Based on NMOCC Manual Pitot Tube Testing Procedures.						
2.							
3.				.9795	.9608	1.020	2754
4.							
5.							

NO.	P_r	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 .650 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) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3561$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2567$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3461$

RECEIVED
JUL 3 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 3461 Mcfd @ 15.025 Angle of Slope _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mesa Petroleum Co.	Dave Green	C. R. Wagner