

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/13/75	
Company Mesa Petroleum Co.				Connection El Paso Natural Gas Co.			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 6-6-75		Total Depth 5705		Plug Back TD 5694		Elevation 6366'GL	
Farm or Lease Name State Com J		Well No. 6A		Csg. Size 10 3/4"		Set At 162'KB	
Csg. Size 7" 4 1/2"		Wt. 23.75#		Perforations: 4926 To 5673		Unit Sec. Twp. Rge. 0 Sec 36, T31N-9W	
Thg. Size 2 3/8"		Wt. 4.7		Set At 5700'		Perforations: 5680'KB From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 146 @ 555.8'		Mean Annual Temp. °F ---		Baro. Press. - P _a 12 psi	
State New Mexico		L		H		G _g	
% CO ₂		% N ₂		% H ₂ S		Prover	
Meter Run		Taps					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							446		446		S.I. 7 days
1.	1.995	X 0.75					146	62°	439		1 hr
2.							136	65°	431		2 hr
3.							134	67°	429		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 F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1							
2.	12.365		146	0.9933	0.9463	1.0158	1723
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl. Deg.
1.	0.2182	527	1.3796	0.970			0.67	XXXXXX	669	382	XXXXXX
2.											
3.											
4.											
5.											

P _c 458 P _c ² 209,764				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 13.7253$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.1$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		441	194,481	15,283			
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12233$				Absolute Open Flow 12233 MDF/Day		Mcfd @ 15.025	
Angle of Slope θ				Slope, n 0.75			

Remarks:			
Approved By Commission: Conducted By: James Archer Calculated By: Bill Main Checked By:			

State of New Mexico, BLM, King 1 - Amador, EPIC 3, file