

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 19 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-10-85	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-10-85	Total Depth 5060	Plug Back TD 5051	Elevation 5856 GR
Farm or Lease Name Morris A		Well No. #13	
Gas. Size 7.000	nl. 20	d 6.456	Set At 5060
Perforations: From *4435 To 5000		Unit H	
Req. Size 2.375	nl. 4.7	d 1.995	Set At 5036
Perforations: From To		Sec. 15'	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single		Packer Set At None	Twp. 30
Producing Thru Tbg.		Baro. Press. - P _a 12	Rye. 11
Reservoir Temp. *F a		State New Mexico	
L	H	G _g .690	% 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
1.			.750	290		74	128		1130		7 Days
2.							290		828		3 Hrs.
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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		302	.9868	.9325	1.028	5532
2							
3							
4							
5							

NO.	P _r	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
1										
2										
3										
4										
5										

P _r 1142	P _w 1304164	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1304164}{598564}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7934$
1	840	705600	598564
2			
3			
4			
5			

Absolute Open Flow 6334 Mcfd @ 15.025		Angle of Slope	Slope, n .75
Remarks: *4.500 Liner from 2493 to 5060. Blew light mist during test. Gas vented during test = 493 MCF.			
Approved by Commission:	Conducted By: Bob Haire	Calculated By: Cliff Brock	Checked By: kld