

FIELD MEASUREMENT AND OBSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-63

Type Test		☒ Initial		Test Date		4-1-81	
Company				Gas Co. of New Mexico			
Undesignated				Morrow			
Completion Date		12123180		Perforations		13,610	
Well No.		13,700		Perforations		3605 G.L.	
Casing Size		5 1/2		Perforations		13,502 To 13,526	
Tubing Size		2 7/8		Perforations		Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At			
SINGLE				13,410			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
Tubing		205°		60°		13,410	
L		H		G _g		% H ₂ S	
13,514		13,514		.6513		-0-	
G _g		% H ₂ S		Prover		Meter Run	
.723		.564				2"	
Flange							

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Flow Rate	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1	2"	x	1.375	422	2.25	72	3799	75	PKR	Choke	24 Hrs.
2	2"	x	1.375	436	11.56	61	2820	77		7/64	1 Hr.
3	2"	x	1.375	442	16.0	59	1982	78		12/64	1 Hr.
4	2"	x	1.375	456	42.25	67	1425	80		17/64	1 Hr.
5							802			26/64	1 Hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	10.55	31.29	435.2	.9887	1.239	1.041	421
2	10.55	72.06	442.2	.9990	1.239	1.045	983
3	10.55	85.34	455.2	1.001	1.239	1.047	1168
4	10.55	140.80	469.2	.9933	1.239	1.048	1916
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.648	532	1.43	.922	11.27	
2	.669	521	1.40	.915	50.3 @ 60° F.	
3	.677	519	1.39	.913	Specific Gravity Separator Gas .6513	X X X X X X X X
4	.698	527	1.41	.911	Specific Gravity Flowing Fluid X X X X X	.9065
5					Critical Pressure 672 P.S.I.A.	664 P.S.I.A.
					Critical Temperature 373 °R	459 °R

NO.	P _t	P _w	P _h	P _h - P _w	Flow Rate
1		2834.73	8035.7	6396.3	
2		2073.15	4298.0	10134	
3		1446.41	2092.1	12340	
4		840.70	796.78	13725	
5					

Absolute Flow = 2,020

Angle of Slope α = 45°

Remarks: Made 16.6 Bbls' condensate during test

*Calculated from known Bottom Hole Pressures.

Approved by Commission: *[Signature]*

Conducted by: *[Signature]*

Calculated by: *[Signature]*

Checked by: *[Signature]*