NEW MEXICO OIL CONSERVATION COMMISSION

			MUI	TI-POINT	BACK PRE	SSURE TI	EST FOR GA	s wells		Revised 12-1-5	
Po	ol <u>Unnamed</u> Formation										
In	Initial X Annual Special Date of Test 12-3-56										
Company Magnolia Petroleum Company Lease Jicarilla "H" Well No. 2											
Unit A Sec. 2 Two. 26N Rge. 3W Purchaser Pacific Northwest											
Casing 7 5/8 Wt. 24 I.D. 7.025 Set at 4030 Perf. 3707 To 3807											
Tubing 2" Wt. 4.7# I.D. 1.995 Set at 3776 Perf. To											
Gas Pay: From To L xG GL Bar.Press. 12 psia											
Producing Thru: Casing Tubing X Type Well G. G. Dual Single-Bradenhead-G. G. or G.O. Dual											
Date of Completion: 11-25-56 Packer No Reservoir Temp.											
					OBSERV	ED DATA					
Tested Through (FYNYKK) (Choke) (NEKAK)								Type Taps_			
	Flow Data						g Data	Casing Data			
No.	(Prover)	(Choke)	Pre	ss. Diff	Temp	Press	. Temp.	Press.	Temp.	Duration of Flow	
	Size	Size	ps	ig h _w	o _F .	psig	o _F .	psig	[⊃] F.	Hr.	
SI 1.	2"	0.750	150	9	67	1068 159	67	1068 459		3 Hours	
1. 2. 3.						109		437			
<u>4.</u> <u>5.</u>											
<u>5.</u>	<u> </u>	<u> </u>			L		1				
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow										
No.	o.				Factor		Factor	Factor		Q-MCFPD	
1.	(24-Hour) √ h _w 1		h _w p _f	psia 171	F _t		F _g 0•7393	P*		2.008.2	
2.										Collina C	
1. 2. 3. 4. 5.											
_2•_1							·				
				PR	ESSURE C	ALCUIAT:	IONS				
	Liquid Hydro				cf/bbl. deg.			fic Gravit			
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid 0.68 Fc(1-e^{-S}) P_c_1.166.1 x 10^3											
				· • • • • • • • • • • • • • • • • • • •							
No.	P _w	P _t .	F _c Q	$(F_cQ)^2$	(F	$(Q)^2$	$P_{w}2$	$P_c^2 - P_w^2$	Cal	P.,,	
	XXX (psia)	-			(1	cQ) ² -e ^{-s})	•		P,		
2.	41-						221.3	6.ىلىنۇ			
3. 4. 5.											
Absolute Potential: 2,401.8 MCFPD; n 0.85 COMPANY Magnolia Petroleum Company											
ADDRESS Box 727. Kermit Texas. AGENT and TITLE Warm W. Gas Engineer											
WI:I'I	VESSED				9 • 43	distribution of the second			*******		
COMPANYREMARKS											

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c I 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$ Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_{t} Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to P_{+} .