NEW MEXICO OIL CONSERVATION COMMISSION

MOBBS OFFICE OCC Form C-122

			MULT	I-POINT B	ACK PRES	SSURE TES	T FOR GAS	WELLS AM	7:58	Revis	ed 12-1-55	
Pool	Renews	Formation_					County Los					
Initial_		A	nnual	 	Spec	cial	al Date of Test 9-21-56					
Company_	Gulf	011 Ce	rperette	n :	Lease	Vhi	to "A"	Wel	l No.	!		
Unit Sec25Twp268				Rg	Rge J& Pur			chaser Persian Besin PL Co.				
Casing 5.5 Wt. 17.0 I.D. 1.892 Set at 3732 Perf. 3321 To 35721												
Tubing 2.375 Wt. 1.10. 1.995 Set at 3883 Perf. To												
Gas Pay: From 3352 To 3572 L 3352 xG 0.665 -GL 2229 Bar. Press.												
Producing Thru: Casing Tubing Type Well Casing Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Facker Reservoir Temp.												
Date of (6-17-55	Packe	Sir Packer ICC			ngle-Bradenhead-G. G. or G.O. Dual Reservoir Temp.						
OBSERVED DATA												
Tested Through (Meter) Type Taps												
(P:	rover)	Flo (Choke	w Data Pres	ss. Diff.	Temp.	Tubing	Data Temp.	Casing D	Temp.	1	Duration	
No. (1	Line) Size	(Òrific Size	e) psi	lg h _w	o_{F} .	psig	°F.	psig	o _F .		of Flow Hr.	
SI								776.3			20h	
1. 2.		2.1		.5 5.7 .8 18.6	12		 	1112	<u> </u>	+-	***	
3.		2.1	147	3 21.3	4			775.00		1	20	
4. 5.		2.2	S ATE	.7 36.1	8	<u> </u>	<u> </u>	(3,)				
FLOW CALCULATIONS												
Coefficient		ent	t Pr		essure Flow Fac		Gravity Factor	Compress.		Rate of Flow Q-MCFPD		
No.	(24-Hour)		$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$	psia		Ft	$^{ m F}_{ m g}$	Fpv		@ 15.025 psia		
1. 2.	10.53		\$2.57 71.15	173.0	73.0 0.97		0.9598	1,062		2077		
3。	10.0		100.90	1.52.7	\$2.7 0.77		90 0.9E91		34.6	5)16		
4. 5.	10.53		132.40	L85.9	0,9	0.545						
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid												
c			(1-e ⁻⁸	0.144		<u>.</u>	P _c	90.5	_P _c 2	701.	,	
								γ				
P _w		P_{t}^{2}	F _c Q	$(F_cQ)^2$	($F_cQ)^2$	P_{w}^{2}	$P_0^2 - P_w^2$		al.	Pw	
	(psia)	772.4	3.80		. \	1-e ^{-s})	79h-6	1107-0		P. 72-4	P _w P _c	
2.	2.5	73.1	5.14			7.600	728.7	150.		73.0 13.0	.90	
		551.1	7.35		7 1	3.350	370.0	in.		55.0	.00	
5.						A 1						
Absolute COMPANY_ ADDRESS_ AGENT an	d TITLE	Her I	12,20 carp. 167, mas	Merie	MCFPD	; n_ 0,						
WITNESSEDCOMPANY												
					RE	MARKS					A	

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 = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.). psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_{f} Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .