NEW MEXICO OIL CONSERVATION COMMISSION

1-B.Parrish 2-EPNG, El Paso, Farm.

Form C-122

1-International 1-TCA 1-Sneddy MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS 1-F													
Pool BASIN DAKOTA Formation								Δ	County San Juan				
Initial Y Annual Special Date of Test 4/8/64													
Company Beta Development Co. Lease Yasaly Imit Well No. 1													
Unit H Sec. 22 Twp. 30 H Rge. 11 W Purchaser El Paso Matural Gas Co.													
Casing Wt. 10.50 I.D. 4.052 Set at 6915 Perf. 6693 To 6904													
Tubing 2 3/8" Wt. 4.70 I.D. 1.995 Set at 6887° Perf. Open To End													
Gas Pay: From 6692° To 6904° L 6876° xG .67 _GL													
Producing Thru: Casing Tubing X Type Well Single - Gas Single-Bradenhead-G. G. or G.O. Dual													
Date of Completion: 3/25/64 Packer Reservoir Temp.													
OBSERVED DATA													
Tested Through (Choke) (Mexico) Type Taps													
Flow Data Flow Data Tubing Data Casing Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. Of Flow													
	(Prover)	(Chok	ce) Pr	ess.	Diff.	Temp.	Press	Temp.	Press.	Тетр.	İ	Duration	
No.	(Line) Size	(RACEA)		psig h		o _F .	psie	°F.	psig	op.	of Flow Hr.		
SI			-			· · · · · · · · · · · · · · · · · · ·	2267		2251		10	Days	
1.		3/4	3	360		74	360	3.7	1300			3 No.	
2.											┼		
3.		<u> </u>					 						
4. 5.		 											
		<u> </u>					OW 1870	AMC.					
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow												
No.	Coefficient			Fressure		Factor		Factor		Factor		Q-MCFPD	
	(24-Hour) √ h _w				psia	F	⁷ t	$\mathbf{F}_{\mathbf{g}}$	Fpv		● 15.025 psia		
1.	12.3650		<u>,</u>	37		.9868 /		.9463	1.038		A, 459		
2.	4 6 0 7V-N												
3。									_				
4.				+-									
5.													
PRESSURE CALCULATIONS													
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas													
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid													
F _c			(1-	-87			-	=					
								Pw	1312	P _w 2	1721.	.3	
	Pw					,	2		_2 _2			P	
No.	!	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$, ()	$(c_c^Q)^2$	P _w 2	$P_c^2 - P_w^2$	1	al.	Pw Pc	
	Pt (psia)					(-	1-€ 0)	1221	0.00		Pw	.575	
Ţ.								1721.3	3472.5	+			
2.		<u> </u>		\rightarrow					 				
7.				+									
1. 2. 3. 4.]		
Absolute Potential: 6,029 MCFPD; n75													
COM	PANY E	eta De	velopme	t C	0.						C[]	122	
ADDRESS 234 Petr. Club Plaza, Fermington, New Mexico										-/Q 1	/SIPFIATO / -		
AGENT and TITLE George L. Hoffman. Production Engineer												12004	
WlT	NESSED	н.	McAnal.	<u>Y</u>	a) Cac C	<u> </u>				12	R1	3 1964	
COM	PANY	EI	PESO N	TUT	41 098 C	RE:	MARKS			1	<u>~</u>	N. COM.	
CANAMAN											210	5T. 3	

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_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 .