NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool <u>Regin Dakota</u>				Formation Dakota				County San Juan			
							Date of Test 1/16/63				
Company Delhi-Taylor Oil Corp. Lease Hamner Well No. 1											
Unit Sec. 20 Twp. 29N Rge. 9W Purchaser No pipeline connection											
Casing 41- Wt. 10.50 I.D. 4.052 Set at 6590 Perf. 6408 To 6581											
Tubing 2.3/8" Wt. 4.70 I.D. 1.995 Set at 6304 Perf To											
Gas Pay: From 6403 To 6590 L 6304 xG GL Bar.Press											
Producing Thru: Casing Tubing XX Type Well G. G. Dual											
Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 8/1/62 Packer Baker Model "P" Reservoir Temp. 186°F											
Date	of Complet	ion:8	/1/62	Packe:	r Baker	Model "P	Keservo:	r Temp	186-1	<u>r </u>	·
					OBSERV	ED DATA					
Tested Through (Choke) (Choke) Type Taps None											
			w Data			Tubing		Casing D			Dunation
No.	(Prover) (Line)	(Choke	Press	Diff			Temp.	Press.	Temp.		Duration of Flow
	Size	Size		h _w	°F.	p sig	°F.	psig	°F.		Hr.
SI 1.		0.75	114		65	1796		Dual		 	3 hrs.
2.		Ua/3									
3.											
<u>4.</u> 5.				+					 	_	
<u> </u>		L					L			<u> </u>	
FLOW CALCULATIONS											
.,	Coefficient			ressure	Flow Fac	Temp.	Gravity Compress. Rate of Factor Factor Q-MCF			of Flow	
No.	(24-Hour) 7/		h _w p _f	h _w p _f psia		+	Fg	Fpv		@ 15.025 psia	
$\frac{1}{1}$	12.365		— 126		F _t		1.0000	- PV		1551	
1. 2. 3. 4.							(accuract)				
3.											
4•								+			
as L	iquid Hydro			PR	cf/bbl.		Specii				or Gas
Gravity of Liquid Hydrocarbons (1-e ⁻⁸) 0.24								fic Gravity Flowing Fluid			
c	¥.3U4		(1=0 Z	0.220		•	- c	<u>aua</u>	C	<u>, AUU</u>	
No.	P _w P _t ²		F _c Q	F_cQ $(F_cQ)^2$		(cQ) ² -e ^{-s})	P _w 2	P _c ² -P _w ²		1.	P _w P _c
1.1	126	15,876	14,583	212,649	51	.036	66.912	3101	259		0.143
1. 2. 3. 4. 5.									+		
4.											
5.									<u>. </u>		
Abso	lute Potent					n <u>o</u>	75	- /	OFFE		\
ADDRESS P. O. Dreser 1198, Farmington, New Mexico											
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		Enery	Arnold		.44 . =				JL7 73	1963	-
COMPANY New Mexico Oil Conservation Commission REMARKS Conservation Commission Conservation Commission											

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize }$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to Pt.