NEW MEXICO OIL CONSERVATION COMMISSION

	MULTI-POI	INT BACK PRESSU	IRE TEST FOR C	AS WELLS	Revised 12-1-55
Pool Eumont	Form	tion Queen	· · · · · · · · · · · · · · · · · · ·	County	Les
Initial	Annual	Specia		Date of Test	6/13/56
Company_ Skelly Oil Co).	Lease Sta	te "G"	Well No.	·1
Unit J Sec. 30					
Casing 7 Wt. 24					
Tubing 20 Wt. 4.7					
Gas Pay: From 3360					-
Producing Thru: Casi	ng X	Tubing	Туре	Well G-O Dual	
Date of Completion:			<u></u>	donnood ()	
		OBSERVED	DATA		

Tested Through (Rever) (Sheke) (Meter)

~		Flow D		Tubing Data		Casing Data				
No.	(Prover) (Line)	(Choke) (Orifice)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Size	psig	h _w	°F.	psig	°F.	psig	^{>} F.	Hr.
SI				T		Ī		968		72
1.	4	1#	505	39	90			925	++-	
2.	.	1*	525	22	62			830	++	
3.	#	1.750 #		31	66			792	++-	
4.	*	1.750 #		64	- 70			691	++-	
5.						<u> </u>			++-	<u>Ħ</u>

			F	LOW CALCULATI	ONS		
	Coefficient		Pressure	Flow Temp.	Gravity	Compress.	Rate of Flow
No.	(24-Hour)	$\sqrt{h_w p_f}$	psia	Factor Ft	Factor Fg	Factor Fpv	Q-MCFPD @ 15.025 psia
1.	6.135	142.2	518.2	0.9723	0.9181	1.044	- 840
2.	6.135	108.8	538.2	0.9981		1.059	669
3.	19.27	131.0	553.2	0.9943		1.055	2511
4.	19.27	185.6	538.2	0.9905	**************************************	1.05%	35/1
5.						L+U74	- 374

PRESSURE CALCULATIONS

	Irocarbon Ratio	cf/bbl.
Gravity of Lic	uid Hydrocarbons	deg.
Fc0.740	(1-e ^{-s}) 0.	1/3

Specific Gravity Separator Gas_____ Specific Gravity Flowing Fluid_____ Pc___981.2____P^2____962.8____

No.	P _w Pt (psia)	Pt ²	F _c ⊋	(F _c Q) ²	$(F_cQ)^2$ $(1-e^{-s})$	P _w 2	$P_c^2 - P_w^2$	Cal. P.	Pw Pc
1.	938,2	880.2	0.62	0.38	0.05	880.3	82.5	W W	
2.	843.2	711.0	0.50	0.25	0.04	_ 711.0	251.8	938.2	0.96
3.	805.2	648.3	1.86	3.46	0.49	613.8	314.0	843.2	
4.	704.2	495.9	2.62	6.86	0.98	_ 496.9	465.9	805.5	0.82
5.								1049	0.82.//

Absolute Porential: 6600	MCFPD; n0.8399
COMPANY Skelly Oil Co.	
ADDRESS Box 38, Hebbs, N. Man h	
ADDRESS Bar 38 Hebbs H LACE	
WITTNESSED None	Dist. Supt.
COMPANY	

Type Taps_____

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure $(P_W)_{+}$ MCF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_w: 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.
- hwI Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n [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 .

SKETIY OTE DOBRANY State "D" No. 1 Sec. 30-T208_SARE Lea County, New Yeyico



C - MPPT - 15. 12 tsia