NEW MEXICO OIL CONSERVATION COMMISSION

HOSBS OFFEINECAL22 1337 MayRevised 12-1-55

			М	ULTI	-POINT E	BACK PRES	SSURE T	EST FOR GA	S WELLS	May No	Revised 12-1-55	
Pool Jalmet F					Formation Yates				County	Les		
Init	nitialAnnual_			Special X				Date of	Test	11-12/11-16-56		
Company Skelly Oil Company					Lease King "C"				Well No. 1			
Unit	G	Sec	l Twp.	23 8	Rg	ge. <u>36 B</u>	Pu	rchaser	N Pago Na	tural (las Company	
Casi	ng 7 *	Wt. 20	I.D.	6.4	. 56" Se	t at 28	85'	Perf		То		
Tubing Wt. I.D.					Set at1			PerfTo				
Gas H	Pay: From	2980	To 2LA	4	L 2885 XG 0.665			_GL 1	L 1010 Bar.Press. 12.2			
Produ	ucing Thru	: Cas	sing	TT.	Tu	bing		Type W	ell			
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 12 12 19 Packer Reservoir Temp.											G.O. Dual	
	<u>-</u>		4m14m49				ED DATA		- 10.mp			
m + -	- d m	(n -	.) (a)	, \	/36 1 N		ED DAIF	•				
Tested Through (Prever) (Cheke)								Type Taps				
Flow Dat			'low Data	ess. Diff. Te		m	Tubir	ng Data	Casing D	ata Dunation		
No.	(Line)	(Orif	ice)								l of Flow	
SI	Size	Si	ze p	sig	h _w	°F.	psig	°F.	psig	°F∙	Hr.	
1.		3.50	20	1 4	19.36	50		_	876-	 		
2.		1.5		1.8 29	36.00	70-71			810			
3.		1.5	- 1 -	Ž.	50.41	69			794			
<u>4.</u> 5.		1.50	× 7.	19	84.64	70		 	755 *	 		
	Not enough	draw o	down beca	LUSO	of high	line pr		ns		 		
	Coefficient				essure	ssure Flow Ter		Gravity Compre		ss. Rate of Flow		
No.	(24-Hour)		/ 1		psia Fac		tor Factor		Factor F _{pv}		Q-MCFPD @ 15.025 psia	
1.			126.04						_ 		·	
2.	13.99		172.03			0.9905		0.9498	1.083		2,450	
3.	13.99		201,32			0.9915		0.74/8	1.086		2,877	
2. 3. 4. 5.			253.96			0.9905		-0.9498	1.075		3,593	
ravit	quid Hydro y of Liqui	id Hydr	ocarbons			cf/bbldeg.	ALCU AT	Speci Speci		ty Flow	arator Gas ving Fluid	
									- + +			
No.	Pw Pt (psia)		F _c Q		(F _c Q) ²	(F.	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca F	Pw Pc	
<u>;</u>	32.2	692.6	0.25		0.7 0			690.7	98.0			
	123.2	677-7	1.75	+	1-3	- 0.1		677.4	112.9	 		
	66.2	651.6 590.1	1.35		2.8	0.2	-	651.6 590.5	138.9 200.2	1		
									400.2			
Absol	ute Potent NY etal i	cial:	9,900			_MCFPD;	n_0.6	59				
ACENT and TITLE												
MODIN T	and ilim											
WITNE: COMPA:												
						REM	ARKS					

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

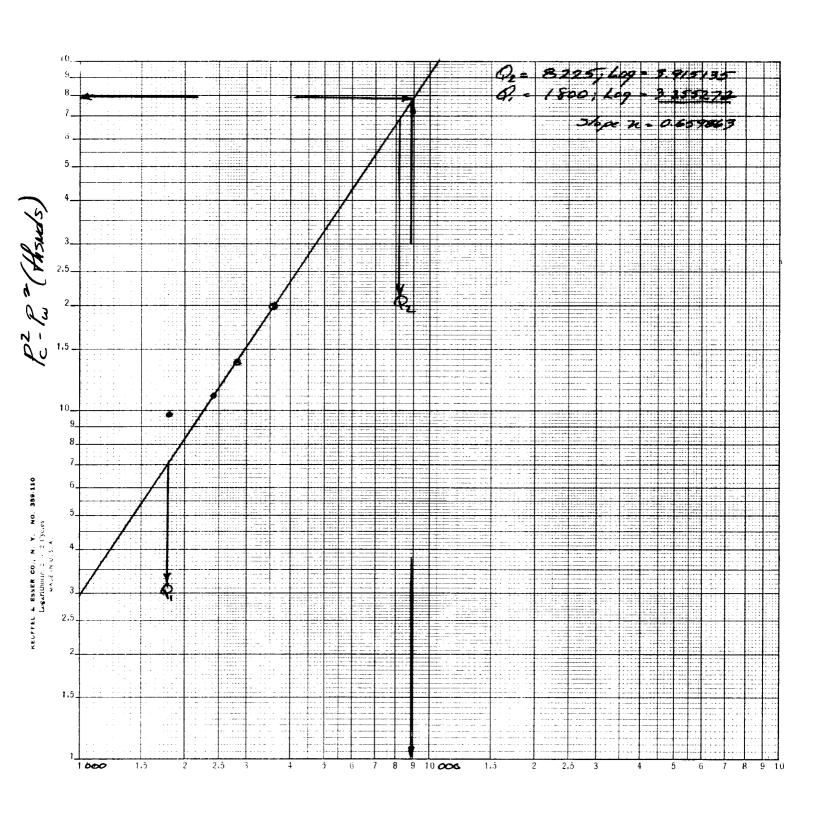
- Q = Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_w Static wellhead working pressure as determined at the end of flow period. (Casing if flowing 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.
- hw 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 .

SKELLY OIL CO.

KING "C" *1

1-23-36 Lea, N.M.



Q- HCFPD- 15.025 psin 60° F

