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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 1 6 1956

Form C-122

MULTI-POINT BACK PRESSURE TEST, FOR GAS WELLERTEBIA, OFFICE 12-1-55

Poc	ol	Undesi	meted	F	ormation	n Mod	TEOV		County_	Bddy	•	
Ini	tial	XX	Ann	ual		Spec	cial	<u> </u>	Date of	Test_1	2-27-57	
								zd (26)				
Uni	t	Sec.	26 T	wp. 21-	R _E	ge. _26-8	Pur	chaser 11,	•			
Cas	ing 📢	Wt.) . Sf	I.D	Se	t at 10.	689 P	erf. 11,	437° 309°	To 11,1	51°	
Tub	ing 20 E	D. 1	1.3W	I.D	Se	10,50) t at 10	-11,570' -271 P	erf. 11,	060° <u>Buded</u>	11,6 _To	7%	
Gas	Pay: Fr	om 11,0	o To	11,141	10,376	10,991_>	cG		6710	_Bar.Pr	ess. 13.2 e	et.
											G.O. Dual	
Dat	e of Comp	letion:	_12=27	-57	Packe	r e 10.	Si	ngle-Brad Reserv	enhead-G. oir Temp.	G. or 1940	G.O. Dual	
	T.D.	11,	5221			OBSERV						
Tes	ted Throu								Type Ta	ps F1	BBCO	
			Flow	Data			Tubin	g Data	Casing			
No.		r) (d		Press.	Diff.	Temp.		. Temp.			Durat:	
	Size		Size	psig		°F.	psig	°F.	psig	⊃ _F .	of Fi	
SI 1.	4.026 I		75	690		63	3777 3658		Plex	•	7 days	
1. 2. 3.	4.026 4.026		.75	710	1.5	64	3620	73	Pler	•	1138	
4. 5.	4.026	2,	.75	143	10	59	3525	73	Plex	-	155	
<u>5. l</u>	F-056	- 2	.75	693	23.2	6h	1267	80	Pice	•	1:15	
	Cooff	ioiont	 -			FLOW CAL						
No.	(24-Hour)				essure	Flow Fac	Temp.	Gravity Factor	Facto	or	Q-MCFPD @ 15.025 psia	
-				<u> </u>	psia	F.	t	Fg	Fpv			
1. 2. 3.	53.05		57		703.2	0.997		1.0151	1.00		2,387 3,841	
3. 4.	53.05				673.2	1.0010)	1.0151	1.05	8	1,685	
5.	53:85		1 128	3 1	36,2	3,996		1:0151	1.05		1:375	
ravi	Liquid Hyo ty of Lic 9.936	drocarbo quid Hyo	drocart	o 100,0	00	cf/bbl. deg.	alcuati	Speci Speci	fic Gravi fic Gravi	ity Flow	rator Gas_ ving Fluid_	5826 617
No.	P _w	a)		'cQ	(F _c Q) ²	(1.	cQ) ² -e ^{-s})	P _w 2	P _c ² -P _w ²	F	Pw Pc	
1. 2.	3613.2		78 2	2.7	233	191 38)	13,670	775	3700	.977	
3. 4.	3530.2	12.	119	4-4	2165 1430	81		13,333	1012	3650		
5.	3280.2	10.	10 7	2.3	200	1200		12,922 12,710	1643	1592 3562	- Ph.5	
COMP ADDR AGEN	ESS T and TI ESSED	FLE	den Ol 9 Nood ok Rob ok Rol	1 Comparation of the Comparation	Petrole	or Ingle	ed, Ter	Oach	Action of the second	ruke	dre_	
			_		-	REM/	ARKS	P.E.	\$591	7		

The final flow rate of 7,279 MCP/D was near the limit of the testing equipment. Therefore it was not possible to draw $P_{\rm c}$ down 30% compared to $P_{\rm c}$. The 2½ hour stabilised flow rate will be obtained when connection is made to the pipeline.

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 T 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.