NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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										ov. 7, 1964
		TROLEUM C								
		. 17 Tw								
		. 15.5 I								
		. 4.70 I								
										ss. 13.2
oducin	g Thru:	Casing_		Tut	ong	Sing	_lype we le-Brade	nhead-G.	G. or G	.O. Dual
te of	Completio	on: OCT. 2	3, 1964	Packer	r NON		_Reservo	ir Temp.	225	
					OBSERVI	ED DATA				
sted T	hrough <u>l</u>	(RICKES)	Choke)	(MAXXX)	A THORN	HILL CRAV	KR 6"	Type Tap	os	
		Flow I			CHOKE WA	Tubing		Casing I	Data	Γ
(P	rover)	(Choke)	Press	. Diff.	Temp.			Press.		Duration of Flow
,	Line) (Size	(Orifice) Size	psig	h _w	. o _F .	psig	o _F .	psig	o _F .	Hr.
	-		1355	W		1355		1355	70	Si 72
. Т		18/64			78	325	78	550	72	24
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	 i		+ -		-					
									1	
					FLOW CAL	CULATIONS	3			<u>.</u> <u> </u>
C	oefficie	nt	P	ressure		Temp.		Compr		Rate of Flow
o.						tor				Q-MCFPD
	(24-Hour) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	w ^p f	psia	F.	t	r _g	Fpv		@ 15.025 psia
1,	6907			338.2	0.983	1	0.8932	1.03	0	. 31/
`							<u> </u>			
				•						
					H.55UHH. []					
avity o	f Liquid	arbon Rat Hydrocar	bons		cf/bbl.	ALCU ATI	Speci	fic Grav fic Grav 1368.2	it w Flor	wing Fluid 💁
P _w	f Liquid	Hydrocar	bons	,993	cf/bbl.	- ·	Speci	fin Char	ity Flor	wing Fluid 0.
P _w	f Liquid	Hydrocar	bons	,993 52.5	cf/bbl.		Speci Speci Pc—— P _w 2	1368.2	ity Flor	al. Pw Pc
Pw Pt	f Liquid	Hydrocar	bons	,993 52.5	cf/bbl.	- ·	Speci Speci Pc	fic Grav 1368.2	ity Flor	wing Fluid 0.
P _w	f Liquid	Hydrocar	bons	,993 52.5	cf/bbl.	- ·	Speci Speci Pc—— P _w 2	1368.2	ity Flor	al. Pw Pc
Pw Pt	f Liquid	Hydrocar	bons	,993 52.5	cf/bbl.	- ·	Speci Speci Pc—— P _w 2	1368.2	ity Flor	al. Pw Pc
Pw Pt	(psia)	Pt Pt	bons (1-e-s)	,993 52.5	cf/bbl.deg.	(cQ) ² (-e-s)	Speci Speci Pc———————————————————————————————————	P _c -P _w	ity Flor	P _W P _C 0.413
Pw Pt 56	f Liquid	Pt al:	bons (1-e-s)	(F _c Q) ²	cf/bbl.deg.	cQ) ² -e ^{-s})	Speci Speci Pc———————————————————————————————————	P _c -P _w	ity Flor	al. Pw Pc
Pw Pt 56	(psia)	Pt John W	F _C Q 625 EST ENC	993 52.5 (F _c Q) ²	cf/bbl.deg. (F) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	r _{cQ}) ² -e ^{-s})	Speci Speci Pc P _w 2	P _c -P _w	ity Flor	el. Pw Pc 0.413
Pw Pt 56 OMPANY DDRESS	(psia)	Pt al:	f _c Q 625 EST ENGRITH DAL JACOBS,	993 52.5 (F _c Q) ²	cf/bbl.deg. (F) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	cQ) ² -e ^{-s})	Speci Speci Pc P _w 2	P _c -P _w	ity Flor	al. Pw Pc 0.413
Pw Pt 56 OMPANY DDRESS GENT ar ITNESSI	(psia) 3.2 Potenti	Pt JOHN W	f _c Q 625 EST ENGRYH DAL JACOBS,	(F _c Q) ² (F _c Q) ² FASO,	cf/bbl.deg. (F) (1) MCFPD; COMPANY COMPANY	r _{cQ}) ² -e ^{-s})	Speci Speci Pc P _w 2	P _c -P _w	ity Flor	el. Pw Pc 0.413
Pw Pt 56 OMPANY DDRESS GENT ar	(psia) 3.2 Potenti	Pt JOHN W	f _c Q 625 EST ENGRYH DAL JACOBS,	993 52.5 (F _c Q) ²	MCFPD; COMPANY LOBBS, N	r _{cQ}) ² -e ^{-s})	Speci Speci Pc P _w 2	P _c -P _w	REC	el. Pw Pc 0.413

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.
- 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.
- hw 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 $P_{\mathbf{W}}$ 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 $P_{\mathbf{t}}$.



COMPANY WELL LOCATION COUNTY BELL PETROLEUM COMPANY

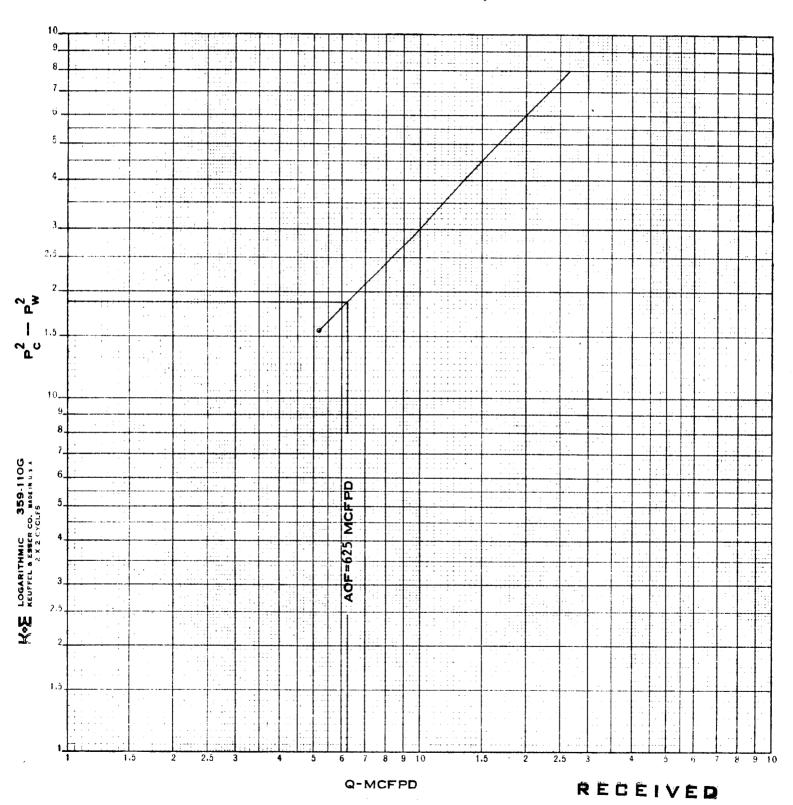
GULF FEDERAL NO. 1

UNIT J, SECTION 17, TWP. 17 SOUTH, RGE. 27 EAST

EDDY

DATE

NOVEMBER 7, 1964



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Ö. C. C. ARTESIA, DEFICE

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