NM OCC-3 Geo Peppin-1 L.G.Truby-1 File-1

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

ool	Sout	h Blanco	Fo	rmation_	Picture	cliff.		_County	lo Arriba	<u> </u>	
nit	ial 🗶	Anı	nual		Speci	al		_Date of T	e st	3-4-57	
omp	any Northwe	st Produc	tion Cor). I	ease'	J"		Well	No. 1-7	· · · · · · · · · · · · · · · · · · ·	
ait	S	ec . 7	Twp _ 26N _	Rge	5W	Purch	aser	ot connect	ted		
	ng 7-5/8 W										
	ng 1-1/4 W										
	Pay: From_										
ate	ucing Thru: of Complet	ion:	2-30-56	Packer	•	Sing	le-Brade Reservo	nhead-G. G ir Temp	• or G•0	. Dual	
-00	01 00 <u>m</u> p100				OBSERVE						
+	ed Through	(DAAAAA)	(Choke)	(#444 #)	0202			Type Taps	.		
				M-PPFF I	— т	Tubing	Data	Casing Da			
Т	(Prover)	Flow (Choke)	Press.	Diff.	Temp.	Press.	Тетр.	Press.	Temp.	Duration of Flow	
0.	(Line) Size	(Øf1f1## Size	psig	h _w	o _F .	psig	° _F ,	psig	1	Hr.	
I								1022 31		SI 3 hours	
\div		3/4	31		53					, as a s	
:+			 -								
••	Coefficient (24-Hour) √h			Pressure psia		or	Factor	Factor		@ 15.025 psia	
-	14.160)5		43	1.0068		. 9608	1.000		589	
• c											
avi	iquid Hydro ty of Liqui	d Hydroca	tio_ rbons_ _(1-e ^{-S})_	<u></u>	cf/bbldeg.	ALCU AT I	Speci Speci	fic Gravit fic Gravit 1034	y Flowin	g Fluid	
0.	P _w	Pt ²	F _c Q	$(F_cQ)^2$	(F ₀	cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Cal.	P _W P _C	
•		1849	310.4	963	13		1981	1,068,958		1.0001	
<u></u>									ļ	1	
•											
bsc OMF DDF GEN	Plute Potent PANY RESS IT and TITLE RESSED PANY	Pacif:	589 (c Northw last Broa lagnar, W	dest Pipe	rmington	. New M					
VI.II					REM	ARKS			RELL		

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.
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_f Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}^{-}$ Differential meter pressure, inches water.
- FgI 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 $P_{\mathbf{t}}$.

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PACIFIC NORTHWEST PIPELINE CORPORATION

DRILLING DEPARTMENT

COMPANY Northwest Production	COLP.
LEASE ""W" WELL NO	o. <u>1-7</u>
DATE OF TEST 3-4-57	
PC MV DK 2555 SHUT IN PRESSURE (PSIG): TUBING 1022 CASING 1158 S.I. PERIOD 7	DAYS
SIZE BLOW NIPPLE 3/4" Choke	
FLOW THROUGH PC - Ces WORKING PRESSURES FROM	
TIME PC Q (MCFD) WELLHEAD WORKING HOURS MINUTES PRESSURE 15.025 PSIA & 60°F PRESSURE (PSIG)	TEMP
34.5 49 1156 MV 2554 DK	56 57
41.5 47 11.56 25.55 50 44 11.51 25.55	57
1 0 42 1155 2556	58 56
12 41 1155	55
26.5 39 1155 2337 44 37 1154 2557	55
2 35 1155 2550	54 54
30 33 1155 2558 2558	53
STEART TEST AT 12:50 pm END TEST AT 3:50 pm	
DIAMI IIDI M	
REMARKS: Opened 1%" tub - thru "PC", gas died in approx 1min - left open fo	or 25
"csg"	
Start (PC) test thru (2" Valve) with 3/4" choke at 12:50 pm	
TESTED BY C. R. Wagner	