4-NACC

1-Christmann & Markham

1-Redfern & Herd

NEW MEXICO OIL CONSERVATION COMMISSION

			25/17							Form C-12 Revised 12-1-5	
Po	ol	Besin						S WELLS			
	itial										
Con	mpany Redi	ern & H	erd, Inc.		_Lease	Cooper		We	Ll No	1	
Uni	it <u> </u>	Sec 7	Twp	29 N R	ge	W_Purc	haser				
Casing 43 Wt. 9.5 I.D. Set at 6548 Perf. 6280 To 6504											
										ess	
Producing Thru: Casing Tubing I Type Well Single gas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 12-7-60 Packer 6235 Reservoir Temp.											
Dat	e of Comple	tion:	12-7-60	Packe	r_ 6235		Reservo	oir Temp.			
					OBSERV	ED DATA					
Tes	ted Through	(Books	r) (Choke) (Notor)	ı			Туре Тар	ıs		
			ow Data		·	Tubina	Data				
N.	(Prover)	(Chok	e) Pres	s. Diff.	Temp.	Press.	Temp.	Casing D	Temp.	Duration	
NO.	(Line) Size	. ! { ()}**i f i	.ce) e psi	1	ŀ	j	Ì	psig	i	of Flow	
SI				- W		3121		1731		113.	
1.		-		-							
SI 1. 2. 3. 4.	2*	3/4	147		68			1782		3 hrs	
4. 5.		 									
			· · · · · · · · · · · · · · · · · · ·		PT OW CAT	CULATION	<u></u>	— ———	L	<u> </u>	
No.	Coeffici	ent	1	ressure	Flow	Temp.	Gravity	Compress.		Rate of Flow	
NO.	(24-Hou	ır)	h _w p _f	psia	Factor F _t		Factor Fg	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
1.1							g pv				
1. 2. 3. 4. 5.	12.3650			159	.992		•9393	1.017		1845	
4.											
-2-1	·	<u>.</u>									
				PRI	ESSURE CA	alcui a ti(ons -				
Gas I Gravi	Liquid Hydro ty of Liqui	carbon]	Ratio		cf/bbl.		Specia	fic Gravit	у Ѕера	rator Gas	
Fc	9.402		(1-e ⁻⁸)	0.275	deg.		P _{c_2}	11c Gravit	P2 PC	ing Fluid	
							•				
No.	$P_{\mathbf{W}}$	Pt ²	F _c Q	$(F_cQ)^2$	(F)	0,2	D.O.	-2 -2			
	Pt (psia)	' t	r c	(rew)	(1	Q) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Ca.		
1. 2. 3.											
3. 4.	159	25.3	17.35	301	82.	.7	108	4442		1.0243	
5.									 		
	lute Potent		1879		MCFPD;	n •75	1.0184				
	ESS	1007 N.	& Herd, I Dustin, F		. New Me	xico					
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COMP			·		-			AM 1			

REMARKS

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 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.
- FgI Gravity correction factor.
- F_{t} 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 .