NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BAC	K PRESSURE	TEST :	FOR	GAS	WELLS
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Pool	Jalm	at		F	ormation	Yates			_County_	Lea	
Init	ial_		Annua	1		Spec	ial		Date of	Test_8	-22-58
	any J										
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	ng 5 1/2										
	ng 2										
	Pay: From			_		,					
Pot -	ucing Thru of Complet	. Uai	8-22-5		1 ui	None	Sin	gle-Brade	enhead-G.	G. or G	.O. Dual
Date	of Compte	cion:_	0-22-0	-	Packer			neservo	orr temb.		
						OBSERV	ED DATA				
Test	ed Through	(Prov	ver) (C	hoke)	(Meter)				Type Tap		
			low Da		D: ce l		Tubing	Data	Casing D	ata	Duration
	(Line)	(Ori	fice)	Press.	1 1				Press.		of Flow
	Size			psig	h _w	$\circ_{\mathtt{F}}$.	psig	°F.	psig	[⊃] F•	Hr.
SI									1018		72
	4 x 2,000	-			4.41		660	 	638		24
	x 2.000	 		51.2 525	510°	88 76	507 440	 	688 585		24 24
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4. 5.											
			•		I	T.OW CAL	CULATION	S			
T	Coeffic	ient		Pr	essure	Flow	Temp.	Gravity	Compre		Rate of Flow
No.	4.5	,			.	Fac	tor	Factor	Facto	r	Q-MCFPD
	Flg(24-Hou	ır)		#w	psia				Fpv		@ 15.025 psia
1.	25.58		36.25			.9804	i	.9608	1.025		895
2.	25.58		61.30			.9741		.9608 .9608	1.027		1507 1644
3. 4.	25.58		00,77			. 3000		• 3000	1.025		1025
5.											
ravi	iquid Hydro ty of Liqui a sured	id Hydr	rocarbo		PRI	cf/bbl.		Speci Speci		ty Flow	rator Gas ing Fluid 063.4
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•	*****		, T		,		2		_2 _2		
No.	Pt (psia)	Pt	Fc	Q	$(F_cQ)^2$	(F	$(c^{Q})^{2}$	P_{w}^{2}	$P_c^2 - P_w^2$	Ca P	
1.	673.2	453.2	 					724.5	338.9	25/	
2.	520.2	270.6						491.7	571.7		
3.	453.2	205.4						355.5	707.9	CH.	<u> </u>
4. 5.		 								1	
_	Well Was	Tlow1	g load	011 a	nd water				L 		
	lute Potent	tial:_	2,325			MCFPD;	n .819				
COMP.			011 Cor		al. New	Mortes					
	T and TITL						rineer				
WITN	ESSED H.	H. Ke	rby /								
COMP	ANY RI	no Natu	rel Ga:	g Co.							

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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}$ 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 $P_{\mathbf{W}}$ 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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general Attitudes the state of

NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Jel 011 Com	peny. Inc. Dr	ess)	New Mexic	0	
LEASE Watkins	WELL NO. 2	UNIT H	S 35	T 24	R 36
DATE WORK PERFORM		POOL J	elmet		
This is a Report of: (Che	eck appropriate blo	ock)	esults of	Test of Ca	sing Shut-of
Beginning Drilli	ng Operations	R	temedial	Work	
Plugging			ther Rom	ning oil st	ring
Detailed account of work	done, nature and	quantity of m	aterials u	sed and re	sults obtaine
Drilled to T.D. 2987	eks neat at shoe an	d 250 sacks, at	t DV Tool	l set 4 1300	.F.
Circulated. Plugged					
8-14-58 Drilled D V	Tool and tested ca	sing to 1000#	No press	sure drop.	
Plugged back to 2968	. Logged well pr	eparing to fre	a c.	IS AUG	5.
FILL IN BELOW FOR R. Original Well Data: DF Elev TD					
Tbng. DiaTbng I	OepthOi	l String Dia _		oil String D	eptb
Perf Interval (s)				,	
Open Hole Interval	Producii	ng Formation	(5)		
RESULTS OF WORKOVE	ER:		BEFO	RE .	AFTER
Date of Test				-	
Oil Production, bbls. pe	er day			-	
Gas Production, Mcf pe	r day				
Water Production, bbls.	per day				
Gas-Oil Ratio, cu. ft. p					· · · · · · · · · · · · · · · · · · ·
Gas Well Potential, Mci	f per day				
Witnessed by				76	
		I hereby cer	tify that	(Company	
OIL CONSERVATION	ON COMMISSION	above is tru my knowled:	e and cor	nplete to th	e best of
Name	free//	Name		S 10 1 1/2	<u> </u>
Title		Position	ng inse	<u>r</u>	
Date		Company	Je1 041	Co., Inc.	