NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	ool	Wild	cat			Formatio	n D e	akota		County_	San Ju	an
										Date of		
Company Sunset International Fet Corp Lease Kutz-Federal Well No. 2 Unit M Sec. 27 Twp. 28N Rge. 10W Purchaser Southern Union												
										4210		
Da	te of Co	mnlet	:ion•			Paoles		Si	ngle-Brad	ell <u>Sing</u> enhead-G.	G. or (G.O. Dual
	01 01	mpre				racke				oir Temp.		i.O. Dual
m			-					ED DATA				
Te	sted Thr	ough				(Meter)				Type Tap	os	
	(Pro	ver)	T (Ch	Flow Da oke)		. Diff.	Tomp		g Data	Casing I	ata	
No	. (Li	ne)	(Ori	fice)			,		. Temp.		1	Duration of Flow
SI	Si	ze	S:	ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.
1.	<u> </u>		<u> </u>			<u> </u>		1902	1		 	
2. 3.	 		3/4		584	Ī	84					3 hrs
4. 5.									 			
No.	(24-Hour) $\sqrt{h_{w}p_{f}}$				Pressure Flo			Gravity Factor	r Factor		Q-MCFPD	
1. 2. 3. 4. 5.	12,3650				5%		9777		9608	1.055		7304
3. 4.												
5.												
						PRI	ESSURE CA	LCUTATI	ONS			
as	Liquid H	Hydrod	carbon	Ratio			cf/bbl.		Speci	fic Gravi	ty Sepai	rator Gas
ravity of Liquid Hydrocarbons deg. Specific Grant Grant deg.					fic Gravit	vity Flowing FluidP ²						
·					٠	95/4			· c	1914	_Fc 3	×63
No.	P _w	sia)	Pt2	Fc	5	(F _c Q) ²	(F _C	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca]	
$\frac{\overline{2}}{3}$	596		255	70.								
1. 2. 3. 4. 5.			355	72.		5270	1322		677	1986	ļ- -	1.8444
	olute Po	L centi	al· '	12.280			MCEDD.	n 05				
Absolute Potential: 12,289 MCFPD; n_85 1.6825 COMPANY Sunset Internation Petroleum Corp. ADDRESS 5th Floor Midland Savings Bldg., Denver, Colorado												
ADDRESS 5th Floor Midland Savings Bldg., Denver, Colorado AGENT and TITLE T. A. Dugan, Consulting Engineer												
WITT	NESSED PANY						1001					
	ANI		 ,				REMA	RKS				

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 \equiv 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_{nv} 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 $P_{\mathbf{t}}$.

VAL R. REESE & ASSOCIATES, INC $_{\scriptscriptstyle c}$

			(Company Sunset International					
			1	_ease_	Kutz	Well No. 2			
			I	Da te of	Test	9-1-58			
Shut in P ressur	e (PSIG): Tub	ing 1902	Casing	*	_S.I.	Period_	7	Days	
Size Blow Nippl	le 3/4" TC	Choke	and the same of th	а шижоорську мо -сжесской	all hald over				
Flow Through_	Tbg		Working	g P res	sures	From			
Time Hours Minutes	Pressure	Q (1 15.025 F	MCFD) O	Wel Pre		Working (PSIG)	Temŗ	2	
1 - 2 - 2 30 3 -	680 604 593 584						80 80 80 84		
Start At	10:00 A.M.	End Test At 1:00 P.M.							
Remarks:	Spray (of distilla	te throughout	test.					
		 							
			Tested	By:	r. A. I	dugan			
			Witness	3.2					

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OIL CONSERVAT	TRICT OFFICE	
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