		NE	ωντοο	OTI CONSE	אַרַ אַיזי	്ററുക				
		O OIL CONSERVATION COMMI ack Pressure Test for Ga (Deliverability)					Form C-122-C 4-1-54			
ool Eum	ent -	For	mation _	Queens	·····	Cou		P (2)		
nitial ompany Gen		Annual	<u>) er</u>	_SpecialS		Dat	e of tes	t Septe	mber 27.	1955 8 ·
nit D		frank Two.	<u>_20 S_</u> R	ge. <u>37 E</u>	Purcha	ser_P	ermian B	ain Pine		3-1
asing <u>7</u>	Wt.Z	21#I.D.	6.366	Set at Set at L 3294	3774	Per	f3291	•	To <u>33</u>	
ibing <u>4</u>	rom 32	•27 1.D. 05 To	<u>- </u>	Set at L. 3294	<u>3840</u> x G	Per 0.660	•1	2174	To	ess. 13.2
roducing	Thru: Cas	sing <u>X</u>	_Tubing_	Туре	e Well_	G	bil dual			
					Sing	gle- Bi	radenhead	l-G.G. or	G.O. Du	al.
				FLOW D	ATA					·
Star		Take		Duration	Туре	Line	Orfice	· · · · · ·	1	Flow
Date	time	Date	time	Hours	Taps	Size	Size	Press.	ential	Temp.
9-27-55	7:25 AM	9-27-55	AM	7-3/4	Prover	2**	5/16*	Pres	and a second sec	720 F.
	PM		3:05 PM		L	L	1	227+7	PSIA	
Prover			the second s	FLOW CALCUI				-1		
Stabbc Pressure	Differ- ential	Meter Extension	24-Hour Coeff-		1	Temp. Compress Factor ability Ft Fpv				
p _f	hw	Vpf hw	icient							
559.9 PSTA			2752		0.9887					
///07 191	<u> </u>	L	2.153	0.9535	0.988		1.054		1,197	
Shut	_in	Ducas	SHUT-IN	DATA Duration	Noll	hand T	macauma		LOW DATA	000170
Date	Time	Press. Taken Date Time		Hours		Wellhead Pressure (^P c) psia		W.H. Working Pressure (^P w)and(^P t)psia		
<u> </u>							Casing	Tubing	Ca	Casing
	AM		5 :0 5 AM							
9-27-55	3805 PM	9-28-55	······································	11-1/2			974.2 PS	IA	- 55	9.9 PSIA
	JEUJ PM		PM					<u> </u>		
	FF	LICTION CAL	CULATION	S(if necess	sary)				SUMMARY	Č (
Not signi	ficant							P=	971	psia
			·····					Č		
								_ Q =	1 <u>9</u> 177	_MCF/Da.
DELIVERABILITY CALCULATIONS									559•9	psia
559 •	9	р, ол .	.2	P _w + F). ^ #	75		D =	779.4	psia
								- a		
$\frac{P_w}{P}$ 0	•425	$+\frac{1}{P}$ 1.5	75	$-\frac{P_{w}}{P_{c}}\left(1+\frac{H}{H}\right)$	$\frac{W}{D} = M$	0.6	601.	D =	728.6	_MCF/Da.
36 + <u>M</u> 0.	5377		9.73054-	<u>10</u> ,	c' (n)	80		7	•78443-8	
OMPANY	General	Crude Oil	Company					_{g Q} = <u>3</u>	•07809	
DORESS		wree Build	ing, Abi	lene, Texas	J				.86252 -	8
GENT and 1 ITNESSED _	J. M	. Welsch mien Besin					Antilo		728.62	

REMARKS

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Dry gas throughout test.

This form is to be used for reporting deliverability tests in the designated Dry Gas Pools of Lea County as ordered by New Mexico Oil Conservation Commission Directive dated March 15, 1954, which directive was provided for by Orders R-365-A through R-376-A. For details regarding this test please refer to the above mentioned Directive.

NOMENCLATURE

- Q = Actual 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
- $P_d = Deliverability pressure; 80 % of 72 hour individual wellhead shut$ $in pressure (<math>P_c$). psia
- P. 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
- D = Deliverability at Deliverability pressure (P_d) MCF/da. @ 15.025 psia and 60°F.
- p. Static meter pressure, psia.
- h. Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- Ft = Flowing temperature correction factor.
- F = Supercompressability factor.
- n _ Slope of back pressure curve.

DELIVERABILITY FORMULA

$$D = Q \qquad \left[\frac{\frac{36}{P_w}}{1 - \frac{P_w}{P_c}} \right] n$$

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_{+} .