

NEW E CO OIL CONSERVATION COMMS. .
MULTIPOINT AND . POINT BACK PRESSURE TEST FOI AS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date DEC 29 7-29-69		6 55 AM '69	
Company Texas Pacific Oil Company			Connection None		
Pool Jalmat			Formation Yates		
Completion Date 7-15-69		Total Depth		Plug Back TD	
Elevation		Form or Lease Name State A Acct. 1			
Csg. Size 7"	Wt. 20#	Set At 3705	Perforations: From 3190 To 3452		Well No. 100
Tbg. Size 2"	Wt. 4.7	Set At 3338	Perforations: From To		Unit H 9 23 36
Type Well - Single - Bordenhead - G.G. or G.O. Multiple G.O. Dual			Packer Set At 3452		County Lea
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F	
Baro. Press. - P _a 13.2		State New Mexico			
L 3338	H 3338	Gg .670	% CO ₂ 2.10	% N ₂	% H ₂ S .33
Prover X		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							412		412		28
1.	2	x	1.000	5.0		79	390		395		1
2.	2	x	1.000	9.0		76	360		383		1
3.	2	x	1.000	11.0		78	320		370		1
4.	2	x	1.000	17.0		75	297		355		1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	17.09		18.2	.9822	1.222	N11	373.3
2	17.09		22.2	.9850	1.222	N11	456.7
3	17.09		24.2	.9831	1.222	N11	496.9
4	17.09		30.2	.9859	1.222	N11	621.8
5							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td> <td>Deg.</td> </td>	<td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>.670</td> <td>XXXXXXXXXX</td>	.670	XXXXXXXXXX
3					Specific Gravity Flowing Fluid <td>XXXXXX</td> <td></td>	XXXXXX	
4					Critical Pressure <td>669</td> <td>P.S.I.A.</td>	669	P.S.I.A.
5					Critical Temperature <td>382</td> <td>R</td>	382	R

NO.	P _i ²	P _w	P _w ²	P _e ² - P _w ²
1	408.2		166.6	14.2
2	396.2		157.0	23.8
3	383.2		146.8	34.0
4	365.2		135.6	45.2
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = \frac{12.732}{}$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = \frac{1,332}{}$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = \frac{3.568}{}$

Absolute Open Flow	1,332	Mcf @ 15.025	Angle of Slope @	63.5	Slope, n	.500
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Remarks: Point alignment was steep - also poor - therefore, a slope of .500 was drawn through the low rate of flow.

Approved By Commission:	Conducted By: EPNG	Calculated By: EPNG	Checked By:
J. B. Murray	J. B. Murray	J. B. Murray	