

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND C POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-29-69			
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	Sec. 9	Twp. 23
Type Well - Single - Blindhead - 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. in. H ₂ O	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.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Dry _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .670 XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 669 P.S.I.A. P.S.I.A.
5.					Critical Temperature 382 °R °R

P _c 425.2	P _c ² 180.8	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 12.732$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.568$
NO.	P _w	P _w ²	P _c 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			

Absolute Open Flow 1.332 Mcfd @ 15.025		Angle of Slope @ 63.5	Slope, n .500
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 J. B. Murray	Calculated By: EPNG J. B. Murray	Checked By: