

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-20-69	
Company PRINZOL UNITED, INC.				Connection NONE	
Pool UNDESIGNATED				Formation MORROW	
Completion Date 11-22-68		Total Depth -		Elevation 3238' GL	
Csg. Size 7"		Set At 11850'		Perforations: From 11453' To 11539'	
Thg. Size 2 3/8"		Set At 11345'		Perforations: From OPEN To ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL				Packer Set At 11345'	
Producing Thru TUBING		Reservoir Temp. °F 185 @ 10700'		Baro. Press. - P _a 13.2	
L x H 11496 x -		G _g 0.588		Prover -	
CO ₂ 1.06		N ₂ 0.13		H ₂ S 0.00	
Meter Run -		Taps FLANGE		County EDDY	
State NEW MEXICO					

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							3280	70	PKR	-	184.0
1.	6x1 1/2	14/64	660	51	102	2655	70	-	-	-	3.0
2.	6x1 1/2	12/64	660	43	102	2739	70	-	-	-	2.0
3.	6x1 1/2	10/64	660	28	104	2776	70	-	-	-	1.0
4.	6x1 1/2	8/64	660	10	105	2772	70	-	-	-	1.0
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 _{pv}	Rate of Flow Q, Mcfd
1	7.405	185.28	673.2	0.9519	1.304	1.038	1785.3
2	7.405	170.13	673.2	0.9519	1.304	1.038	1640.2
3	7.405	137.31	673.2	0.9602	1.304	1.038	1318.9
4	7.405	82.04	673.2	0.9583	1.304	1.035	785.9
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.99	562	1.63	.929	DRY GAS	-
2	.99	562	1.63	.929	A.P.I. Gravity of Liquid Hydrocarbons	- Deg.
3	.99	562	1.64	.931	Specific Gravity Separator Gas	0.588
4	.99	562	1.65	.933	Specific Gravity Flowing Fluid	XXXXXX
5.					Critical Pressure	679 P.S.I.A.
					Critical Temperature	344 R

$P_c = 1910.2$ $P_w = 2410.1$				$\frac{P_c^2}{P_c^2 - P_w^2} = 2.027$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.842$
NO.	P _r ²	P _w ²	P _w ² - P _r ²		
1	-	3455.2	12216.4	11893.7	
2	-	3655.2	13360.5	10749.6	
3	-	3971.2	15770.4	8339.7	
4	-	4185.2	17515.9	6594.2	
5.					

Absolute Open Flow 3310 Mcfd @ 15.025 Angle of Slope 49° 18' Slope, n .884

Remarks: * BHP @ (-8258') 11496' Used For Pressure Calculations.

Joe A. Coleman

Approved By Commission:	Conducted By: COLEMAN PET. ENG. CO	Calculated By: JOE A. COLEMAN	Checked By: JOE A. COLEMAN
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