

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 10-17-77	
Company Palmer Oil & Gas Co.		Connection Northwest Pipeline	
Pool Wildcat		Formation Pictured Cliff	
Completion Date 10-10-77		Total Depth 3660 R.B.	Plug Back TD 3647 R.B.
Elevation 6500 S.S.		Farm or Lease Name Yager	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3632
Perforations: From 3631 To 3631		Well No. 3	
Trq. Size 2.375	Wt. 4.7	d 1.955	Set At 3415
Perforations: From Open To Indef		Unit 1 Sec. 3 Twp. 31N Rge. 7E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual		Packer Set At 3310	
County San Juan		Producing Thru Tubing	
Reservoir Temp. °F 9		Mean Annual Temp. °F 12 psia (est.)	
State New Mexico		Baro. Press. - P _a	
L	H	G _g .650 est.	% CO ₂ % N ₂ % H ₂ S Prover 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		1 days					1200				
1.		2 days	0.750	112			112	90			3 hrs.
2.											
3.											
4.											
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. Comp. Factor F _{sp}	Rate of Flow Q, Mfd
1	12.3650		424	1.0049	.3000	1.044	14.6
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5	1305	1,703.025								

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$
1	15.376	240	44.34	44.65	0.31	1.02037
2						
3						
4						
5						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	15.376	240	44.34	44.65	0.31	1.500
2						
3						
4						
5						

Absolute Open Flow		Flow of water, oil, and gas		Mold 15-025		Flow of Gas	
Remarks:							

Approved by Commission:	Conducted by: Willodge	Checked by: P. Willodge	Drawn by: Roberts
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