

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 10-24-77	
Company Palmer Oil & Gas Co.				Connection Northwest Pipeline			
Pool South Los Pinos				Formation Fruitland		Unit	
Completion Date 10-10-77		Total Depth 3669 K.B.		Plug Back TD 3647 K.B.		Elevation 6586 G.L.	
Farm or Lease Name Yager							
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 3652	Perforations: From 3155 To 3295		Well No. 3	
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 3232	Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 3 31N 7W	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3318		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia (est.)	
State New Mexico							
L	H	G _g .580est	% 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	14 days						1421		1478		
1.	2 days	.750		36			56	55°	267	55°	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1	12.3650		68	1.0048	1.017	1.004	862
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1490	P _c ² 2,220,100	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.03634$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0308$
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1		279	77841
2			2142259
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 888$

Absolute Open Flow 888	Mold @ 15.025	Angle of Slope @	Shape, n 85
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Remarks: Slight show of water @ the end of 3 hours. Gas burned throughout test.

Approved By: _____	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge	Checked By: Mr. Don Roberts
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