

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 9-12-78			
Company Getty Oil Company				Connection Not Connected					
Pool Bloomfield				Formation Chacra				Unit	
Completion Date 8-24-78		Total Depth 4680		Plug Back TD 4560		Elevation 5732		Farm or Lease Name B.M. Houck	
Csg. Size 4.5	Wt. 11.60	d 4.00	Set At 4633	Perforations: From 3134 To 3142		Well No. 1			
Tbg. Size 7.00	Wt. 23.0	d 6.370	Set At 3319	Perforations: From Open To Ended		Unit Sec. Twp. Rge. B 13 29N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Gas Multiple				Packer Set At 3214		County San Jaun			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 3116	H 3116	Gg .660	% CO ₂	% N ₂	% H ₂ S	Prover 2,000		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							1050		1050		409 SI Hr.
1.	2,000	X	.750				125	60	542		1 st Hr
2.	2,000	X	.750				107	60	522		2nd Hr
3.	2,000	X	.750				101	60	504		3rd Hr
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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		137	1.000	1.231	1.013	1.879
2	11.00		119	1.000	1.231	1.011	1.629
3	11.00		113	1.000	1.231	1.011	1.547
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
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 1062	P _c ² 1127844					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3090$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2391$
1	12769	516	266256	861588		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,917$

Absolute Open Flow 1,917 Mcfd @ 15.025

Angle of Slope ϕ _____ Slope, n .75

Remarks: This AOF was run in conjunction with the second half of the required initial packer leakage test. This being the upper zone. The lower zone is the Mesa Verde.

Approved By Commission:	Conducted By: BERHOST & YAZZIEE	Calculated By: PAUL D. BERHOST	Checked By: <i>R.P. Hergunther</i>
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