

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-12-83	
Company Getty Oil Company		Connection Not Connected	
Pool Blanco		Formation MesaVerde	
Completion Date		Total Depth 6200	Plug Back TD 6158
		Elevation 7312GL	
Farm or Lease Name C.W. Roberts			
Csq. Size 5.500	Wt. 15.50	Set At 4.950	6200
Perforations: From 5440 To 6100		Well No. 7	
Tbg. Size 2.375	Wt. 4.700	Set At 1.995	5622
Perforations: From open To ended		Unit Sec. Twp. Rys. J 17 25N 3W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single Gas		Packer Set At --	
County Rio Arriba			
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _g 12.0
State New Mexico			
L 5622	H 5622	G _g .630	% 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.	
SI	168HR SI						1430		1438	
1.	2.000X.750						379	60	1151	1st HR
2.	2.000X.750						340	60	1069	2nd HR
3.	2.000X.750						321	60	1009	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	11.000		391	1.000	1.260	1.036	5614
2	11.000		352	1.000	1.260	1.033	5040
3	11.000		333	1.000	1.260	1.032	4763
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon	XXXX	2 BBLs	XXXX
1					A.R.I. Gravity of Liquid Hydrocarbons	43.2 @ 60		XXXX
2.					Specific Gravity Separator Gas			XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX		
4.					Critical Pressure	P.S.I.A.		P.S.I.A.
5.					Critical Temperature	R		R

P _c 1450 P _c ² 2102500				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	110389	1009	1018031	1084419
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9388$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6431$$

$$KOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7826$$

Absolute Open Flow	7826	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				

Approved By Division	Conducted By: Mark Kramer	Calculated By: Paul D. Bernhost	Checked By:
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