

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-19-84	
Company Getty Oil Company		Connection Not Connected	
Pool Basin		Formation Dakota	
Completion Date 7-11-84		Total Depth 6850'	Plug Back TD 6803'
		Elevation 6450 GL.	Farm or Lease Name Farming "E"
Csq. Size 5.500	Wt. 15.50	d 4.950	Set At 6844
Perforations: From 6583 To 6784		Well No. 3F	
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6719
Perforations: From Open To Ended		Unit Sec. Twp. Rge. 2 24N 6W	
Type Well - Single - Bradenhead - G.G. 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 _a 12.0
State New Mexico			
L 6719	H 6719	G _g 0.684	% 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	168 HRS.						1255		1260	
1.	2.000 X .750						368	60	1078	1st HR.
2.	2.000 X .750						331	60	995	2nd HR.
3.	2.000 X .750						305	60	933	3rd HR.
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, Mc/d
1	11.000		380	1.000	1.209	1.044	5276
2	11.000		343	1.000	1.209	1.039	4739
3	11.000		317	1.000	1.209	1.034	4359
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
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 1272	P _c ² 1617984	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 2.2318$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.8260$
NO.	P _r ²	P _w	P _w ²
1			
2			
3	100489	945	893075
4			
5			

Absolute Open Flow 7959 Mc/d @ 15.025		Angle of Slope @	Slope, n .75
Remarks: 7 BBLS. of 57.1 gravity oil @ 60°.			

Approved By Division	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By:
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