

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/7/85		RECEIVED OIL CORP. JUL 05 1985	
Company Joel B. Burr, Jr.				Connection			
Pool WC				Formation Fruitland			
Completion Date 6/7/85		Total Depth 1945'		Plug Back TD 1849'		Elevation 5741 GL	
Csg. Size 2 7/8		Wt. 6.5 lb/ft		Set At 1880'		Perforations: From 1740' To 1750'	
Thq. Size		Wt.		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 118°		Mean Annual Temp. °F		Base Press. - P _g 12.2	
L		H		G _g .680		% 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.
SI							
1.	2"	6" x 0.5"					530
2.							22
3.							70°
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.722		34	.9905	1.213	1.0030	193
2.							
3.							
4.							
5.							
NO.	P _g	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.	.05	530	1.38	.994	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas _____		
3.					Specific Gravity Flowing Fluid _____		
4.					Critical Pressure _____ P.S.I.A.		
5.					Critical Temperature _____ R		
$P_c = 542$ $P_c^2 = 293764$					$(1) \frac{P_c^2}{P_e^2 - P_w^2} = 1.0043$ $(2) \left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.0036$		
NO.	P _i ²	P _w	P _w ²	P _e ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 194$		
1			1252	292512			
2							
3							
4							
Absolute Open Flow _____ Mcfd @ 15.025					Angle of Slope θ _____		Slope, n _____ .85
Remarks: _____							
Approved By Division		Conducted By <i>Ray J. Fitchner</i>		Calculated By J. Alexander		Checked By:	