

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
SEP 11 1984

Type Test	☒ Initial ☐ Annual ☐ Special			Test Date	9-5-84
Company	Joel B. Burr, Jr.			Connection	
Pool	Undesignated			Formation	Fruitland
Completion Date	8-29-84		Total Depth	2050'	
Csg. Size	2.875	Wt. 6.5#	d 2.441	Set At 2030	Perforations: From 1678 To 1684
Thq. Size	Slim Hole		d	Set At	Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple	Single			Packer Set At	None
Producing Thru	Csg.	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a	12
County	San Juan				
State	New Mexico				
Prover	1091	Q _g	.650	% 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	7 days		1/2"						445		
1.	2 inch			5					5	60°	3 hour
2.											
3.											
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	5.4315		17	1.0000	.9608	1.000	89
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A P.L. Gravity of Liquid Hydrocarbons _____ Dea.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 457	P _c ² 208849				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1		43	1849	20700	
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0089$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00759$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 90$

Absolute Open Flow 90 Mcfd @ 15.025 Angle of Slope Φ _____ Slope, n .85

Remarks: _____

Approved By Division	Conducted By: Roy Pritchard	Calculated By: Roy Pritchard	Checked By: Joe Elledge
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