

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-6-85		OIL COMPANY UNIT	
Company Curtis J. Little		Connection El Paso			
Pool South Blanco		Formation Pictured Cliffs		Unit DNE	
Completion Date 1-23-85		Total Depth 3476		Plug Back TD 3459	
Elevation 6484 GR		Farm or Lease Name Salazar			
Csq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 3476	Perforations: From 2486 To 2588	
Thq. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 3422	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas/Gas Dual				Packer Set At 2625	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a 12 psia (est.)		State New Mexico		County Rio Arriba	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Tcps	

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	14 days								781		
1.	2 inch	1/2	98						98	50°	3 hours
2.											
3.											
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, Mcfd
1	5.4315		110	1.0098	.9608	1.011	586
2.							
3.							
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 _____ 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 793	P _c ² 628849		
NO.	P _i ²	P _w	P _w ²
1		111	12247
2			
3		Calculated	
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.01986$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 596$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0168$$

Absolute Open Flow 596	Mcf @ 15.025	Angle of Slope θ	Slope, n .85
Remarks: Dry gas throughout test			

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
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