

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
NOV 21 1983
CON. DIV.
DIST. 2

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-20-83				
Company William C. Russell				Connection El Paso Natural Gas Co.				NOV 21 1983	
Pool <i>Largo</i> Undesignated Chacra				Formation Chacra				Unit CON. DIV. DIST. 2	
Completion Date 9-8-83		Total Depth 3320'		Plug Back TD 3202'		Elevation 5986' RKB		Farm or Lease Name Graham	
Csq. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 3280	Perforations: From 3146' To 3186		Well No. 96			
Tng. Size 1 1/2"	Wt. 2.9	d 1.610	Set At 3141	Perforations: From To		Unit Sec. Twp. Rye. P 10 27N 8W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12 psi (est)		State New Mexico	
L	H	G _g .67 (est)	% 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.	
SI	8 days						900	60	900	60
1.	2"		3/4				82	60	328	60
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	12.3650		94	1.0000	0.9463	1.011	1112
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 _____ 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 912	P _c ² 831,744	
NO.	P _i ²	P _w ²
1		340
2		115,600
3		716,144
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1614$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1244$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1188$

Absolute Open Flow _____ 1244 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____ .75
Remarks: _____		

Approved By Division	Conducted By: Robert Dintelman	Calculated By: Robert Dintelman	Checked By: Kevin H. McCord
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