

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 5-14-85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool MPN Nebo <i>Cedar Nello</i>		Formation Fruitland <i>Basal Coal</i>	
Completion Date 4-29-85		Total Depth 2734	Plug Back TD 2691
Elevation 5888GL		Farm or Lease Name Sammons GC "I"	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 2734
Perforations: From 2620 To 2664		Well No. 1	
Inq. Size 2,875	Wt. 6.5	d 2.441	Set At 2665
Perforations: From Open To Ended		Unit Sec. Twp. Rge. B 6 31 10	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single			
Producing Thru Tubing		Reservoir Temp. °F 8	Mean Annual Temp. °F
Packer Set At None		County San Juan	
Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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	7 days						460		463	
1.							200		215	
2.										7 days
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							903
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

P _c 475	P _c ² 225625	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2960$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2466$
NO. 1	P _w 227	P _w ² 51529	P _c ² - P _w ² 174096
2			
3			
4			
5			

Absolute Open Flow 1126 Mcfd @ 15.025		Angle of Slope 8	Slope, n .85
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Remarks: Rate of flow mcfd was through seperator and meter

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: R
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