

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-11-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit San Juan 29-7	
Completion Date 7-25-80		Total Depth 8102		Plug Back TD 8095		Elevation 6844 G.L.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 7.000	Wt. 23	d 	Set At 6404	Perforations: From 7861 To 8088		Well No. #40A (DK)			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8058	Perforations: From To		Unit I		Sec. 28	Twp. 29
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6240		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.670	% 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							1837				17 Days
1.	Choke		0.750	90		72					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	12.365		102	0.9887	0.9463	1.008	1189
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mod/Bbl
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1849	P _c ² 3418801	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0152$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0114$
NO.	P _t ²	P _w	P _w ²
1	10404	226	51076
2			
3			
4			
5			

AOF = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1202$
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Absolute Open Flow	1202	Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks: 4.500 Liner From 6305 to 8102	
122 MCF Gas Produced During The Test.	

Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By:
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