

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 1-6-86			
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 1-6-85		Total Depth 7085		Plug Back TD 7077		Elevation 6403 GR		Farm or Lease Name Hancock	
Csg. Size 9 5/8	Wt. 40.0	d 8.835	Set At 7085	Perforations: From *6903 To 7061		Well No. #6M			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7025	Perforations: From To		Unit P	Sec. 29	Twp. 28	Rge. 09
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G Dual						Packer Set At 7300		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .700	% 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							1014				7 Days
1.		.750		105		52	105				3 Hrs.
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	12.365		117	1.0078	.9258	1.018	1374
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c	1026	P _c ²	1052676
NO	P _t ²	P _w	P _w ²
1		253	64009
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1052676}{988667}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0482$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1440$

Absolute Open Flow	1440	Mcf/d @ 15.025	Angle of Slope °	Slope, n	.75
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Remarks: Gas Vented during test = 201 MCF.	
7.000 Liner from 2597 - 5400.	
4.500 Liner from 5308 to 7085.	

Approved By Commission:	Conducted By: Bill Huntington	Calculated By: Scott H. Lindsay	Checked By: kld
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