

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 5-14-18-73	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Rhodes				Formation		Unit
Completion Date		Total Depth 3180		Plug Back TD		Elevation
Farm or Lease Name Moberly B				Well No. 1		
Csg. Size 7	Wt. 2952	d	Set At	Perforations: From open To end		Unit Sec. Twp. Rge. A 21 26 37
Tbg. Size 2	Wt. 3054	d	Set At	Perforations: From open To end		County Lea
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		State New Mexico
Producing Thru TBG		Reservoir Temp. °F 74		Baro. Press. - P _d 13.2		Meter Run 4
L 3054	H 3054	Gg 649	% CO ₂	% N ₂	% H ₂ S	Prover Flg.

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							322	74			72 hr
1.	3.826 x 1.750			36	3.2	56	252				24
2.	3.826 x 1.750			33	7.3	54	215				24
3.	3.826 x 1.750			35	11.6	60	180				24
4.	3.826 x 1.750			36	19.4	64	138				24
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, Fpv	Rate of Flow Q, Mcfd
1	15.61	12.55	49.2	1.004	1.241	Nil	244
2	15.61	18.36	46.2	1.006	1.241	Nil	357
3	15.61	23.65	48.2	1.000	1.241	Nil	458
4	15.61	30.89	49.2	.9962	1.241	Nil	596
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons None _____ Deg.
2					Specific Gravity Separator Gas .649 _____ X X X X X X X X
3		NEG.			Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure 670 _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 372 _____ R _____ R

$P_c = 335.2$ $P_c^2 = 112.4$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.276$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.276$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1			71.1	41.3		
2			53.6	58.8		
3			39.9	72.5		
4			24.3	88.1		
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 760$				Absolute Open Flow 760 _____ Mcfd @ 15.025	Angle of Slope θ 45°	Slope, n 1.000
Remarks: _____						

Approved By Commission: 	Conducted By: Randy Kiker	Calculated By: J. C. Roberts	Checked By:
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