

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 7-17-80			
Company Dinero Operating Company				Connection None					
Pool Undesignated Townsend				Location Morrow (Lower)				Unit H	
Completion Date		Tubing Size		Perforations		Elevation		Name of Lease or Owner	
		12998		12332 To 12947				Eidson	
Csg. Size 4 1/2	Wt. 11.6	d 4.000	Set At 13005	Perforations: From 12332 To 12947		Well No. 1			
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 12290	Perforations: From To		Unit Sec. Twp. Rge. H 20 16 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 12290		County Lea	
Producing Thru Tubing		Reservoir Temp. °F 196 @ 12640		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 12640	H 12640	Gg .689	% CO ₂ 0.48	% N ₂ 1.11	% H ₂ S 0.00	Prover	Meter Run 3	Dip Flange	

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
1.	3 X 1.000			330.0	7.0	100	350	100	Pkr.		70
2.											5
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w F_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.789	48.06	343.2	.9636	1.205	1.030	275.3
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	12.075 Mcf/bbl.
1	.511	560	1.46	.942	A.P.I. Gravity of Liquid Hydrocarbons	51.6 @ 60° Deg.
2					Specific Gravity Separator Gas	.689
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	669 P.S.I.A.
5					Critical Temperature	388 °R

P _c	3173.2	P _c ²	10069.2
NO.	P _r ²	P _w	P _w ²
1	131.9	11.49	131.92
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.013$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.005$
$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 276.2$	

Absolute Open Flow	276.2 Mcfd @ 15.025	Angle of Slope θ	55° *	Slope, n	.700
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Remarks: * Assumed			
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Approved By Commission: Jerry Sexton	Conducted By: Marv Hansen-NNGC	Calculated By: James Rowe-NNGC	Checked By:
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