

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 1-9-86	
Company				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 1-9-86		Total Depth 8065		Plug Back TD 8051		Elevation 6666GR	
Csg. Size 9 5/8		Wt. 40		d 8.835		Set At 3968	
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 8045	
Perforations: From 7860 To 8051				Well No. 88M			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6215		County RA	
Producing Thru TBG.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
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							1820				7 days
1.	.750			100		70	100				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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		112	.9905	.9258	1.016	1290
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

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OIL CON. DIV.
DIST. 3

P _c 1832	P _c ² 3356224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3356224}{3294223}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0141$
NO. 1	P _t ²	P _w	P _w ²
1		249	62001
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1308$

Absolute Open Flow <u>1308</u> Mcfd @ 15.025	Angle of Slope @ _____	Slope, n <u>.75</u>
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Remarks: 7" liner set 3813-6368	
4 1/2" liner set 6260-8059	
Gas vented during test = 158 MCF	

Approved By Commission:	Conducted By: John Easley	Calculated By: Scott H. Lindsay	Checked By:
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