

**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 5-18-84		OIL CON. DIV. DIST. 3	
Company Beta Development Company				Connection El Paso Natural Gas Company			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date 4-28-84		Total Depth 6555		Plug Back TD 6512		Elevation 6058 GR	
Farm or Lease Name Holloway Federal							
Csg. Size 4 1/2	Wt. 10.5	d	Set At 6552	Perforations: From 6488 To 6334		Well No. 1-E	
Tbg. Size 1 1/2	Wt. 2.4	d	Set At 6464	Perforations: From Bar collar To open ended		Unit Sec. Twp. Rge. D 6 27N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg est .680		State New Mexico	
				% 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	
1	2"	.750#		126			1619		1647		3 hr.
2							188	60	785		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		138	1.000	.9393	.978	1568
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2					Specific Gravity Separator Gas _____ X X X X X X X X			
3					Specific Gravity Flowing Fluid _____ X X X X X			
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
5					Critical Temperature _____ R _____ R			

P _c 1631	P _c ² 2660	161				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3137$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2271$
1		797	635	209		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1924$

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3137$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2271$

Absolute Open Flow	1924	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By: D. Young	Calculated By: D. Young	Checked By: <i>D. E. Bayler</i>
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