

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2688
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 04 25 80				
Company Amoco Production Co.				Connection El Paso Natural Gas co.					
Pool Basin				Formation Dakota				Unit	
Completion Date 03 28 80		Total Depth 7168		Plug Back TD 7108		Elevation 6661 GL		Farm or Lease Name Jicarilla Gas Com 35B	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 7168	Perforations: From 6934 To 7008		Well No. 1E			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7009	Perforations: From open To ended		Unit Sec. Twp. Rge. C 11 24 5			
Type Well - Single - Broadhead - G.C. or G.O. Multiple SINGLE					Packer Set At NONE		County Rio Arriba		
Producing thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA							TUBING DATA		CASING DATA		Direction 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	10 days						1485		1580		3 are
1.	2.375		.750				85		485		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mhd
1	12.365		97	1.000	.9258	1.011	1123
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	1592	497	2534464	247009	2287455
2					
3					
4					
5					

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 1.1080$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1213$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0799$$

Absolute Open Flow 1213 Mhd @ 15.025		Angle of Slope θ 75	
Remarks			

Approved by Division	Conducted By JJB	Calculated By J J BARNETT	Checked By B E FACKRELL
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