

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
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	
Completion Date 04 04 80		Total Depth 7095		Plug Back TD 7048	
Elevation 6621 GL		Farm or Lease Name Jicarilla Gas Com 35A		Well No. 1E	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 7095	Perforations From 6887 To 6958	Well No. 1E
Tq. Size 2.375	Wt. 4.7	d 1.995	Set At 6975	Perforations From open To ended	Unit Sec. Twp. Rge. J 11 24 5
Type Well - Single - Drillerhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F A		Mean Annual Temp. °F Baro. Press. - P _a	
County RIO ARRIBA		State New Mexico			
L	H	G _g	% 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 _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	10 days						1490		1490		3 hrs
2	2.375	.750					172		618		
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	12.365		184	1.000	.9258	1.021	2151
2							
3							
4							
5							

NO.	P _t	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 P.S.I.A.	Critical Temperature °R
1										
2										
3										
4										
5										

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1		630	396900	1859104	1.2135	1.1562
2						
3						
4						
5						

Absolute Open Flow 2487 Mcfd @ 15.025 Angle of Slope 75
 Remarks:

Approved By Division	Conducted By	Calculated By	Checked By
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