

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 03 20 80			
Company Amoco Production Company				Connection Gas Company of New Mexico					
Pool Basin				Formation Dakota				Unit	
Completion Date 02 28 80		Total Depth 7443		Plug Back TD 7400		Elevation 6652 GL		Farm or Lease Name Jicarilla Contract 147	
Ceg. Size 4.500	Wt. 11.6	d 4.000	Set At 7443	Perforations: From 7179 To 7237		Well No. 6E			
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 7230	Perforations: From open To ended		Unit Sec. Twp. Rge. N 6 25 5			
Type Well - Single - Drdhead - G.C. or G.O. Multiple SINGLE						Packer Set At NONE		County Rio Arriba	
Producing Thru TUBING		Reservoir Temp. °F 8		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		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	of Flow
1.	2.375	.750					2407		2407		3 hrs
2.							70		325		
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		82	1.000	.9258	1.009	947
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0198$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0148$
1		337	113569	5737992		
2						
3						
4						
5						

P _c 2419 P _c ² 5851561				AOG = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 961$	
Absolute Open Flow 961 Mcfd @ 15.025				Angle of Slope @ _____	
Remarks _____					

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