

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

JUL 27 1971
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-20-71	
Company AMOCO PRODUCTION COMPANY				Connection		
Pool Undesignated				Formation Fruitland		Unit
Completion Date 7-20-71		Total Depth 5675		Plug Back TD 1400		Elevation / GL 5669 / 5657
Farm or Lease Name Gallegos Canyon Unit						Well No. 257
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5675	Perforations: From 1312 To 1327		Unit K
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 1310	Perforations: From To Open End		Sec. Twp. Rge. 19 28 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 60°		Baro. Press. - P _a 12 psia		State New Mexico
L 1320	H 1320	Gg .650 est.	% CO ₂ .09 est.	% N ₂ .14 est.	% H ₂ S 0	Prover X
						Meter Run Taps

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2"	72			72	60° est.	99	
2.								
3.								
4.								
5.								

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		84	1.000	.9608	1.011	1009
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.	.125		1.406	.979	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas .650 X X X X X X X X	
3.					Specific Gravity Flowing Fluid X X X X X	
4.					Critical Pressure 672 P.S.I.A. P.S.I.A.	
5.					Critical Temperature 370 R R	

P _c 518	P _c ² 268,324	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.0481}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.0407}$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.	84	111	12,321	256,003	
2.					
3.					
4.					
5.					

Absolute Open Flow 1050 Mcfd @ 15.025			Angle of Slope θ _____		Slope, n .85
Remarks: _____					

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: E. R. Hirst	Checked By: D. A. Wayhan
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