

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

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 6-4-81	
Company Amoco Production Company				Connection NWPL		
Pool Gonzales				Formation Mesaverde		Unit
Completion Date 3-22-81		Total Depth 5300		Plug Back TD 5253		Elevation 6513
Csg. Size 5.500		Wt. 14	d 5012	Set At 5300	Perforations: From 5014 To 5167	
Tbg. Size 2.063		Wt. 3.25	d 1.751	Set At 5184	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual					Packer Set At 3880	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
County Rio Arriba		State New Mexico				
L	H	Gq	% 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
SI	62 days						799		-		
1.	2.375		.750				154		-		3 hrs.
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, Mcfd
1	12.365		166	1.000	.9608	1017	2006
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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	811	419	655721	175561	482160
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.3641}{1.3641 - 0.482160} = 1.928$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2532$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2622}{1.3641 - 0.482160} = 1.2622$

Absolute Open Flow _____ 2532 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____ .75
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Remarks: X heavy oil flow

Approved By Commission	Conducted By: JJB	Calculated By: J J Barnett	Checked By:
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