

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 1-6-81	
Company Amoco Production Company		Connection Northwest Pipeline	
Pool Otero		Formation Chacra	
Completion Date 12-1-80		Total Depth 7345	Plug Back TD 7305
		Elevation 6443	Farm or Lease Name Jicarilla Contract 155
Csg. Size 7.000	Wt. 23	d 6.366	Set At 7345
		Perforations: From 3712 To 3776	
Thq. Size 2.063	Wt. 3.4	d 1.751	Set At 3778
		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple dual		Packer Set At 6926	County Rio Arriba
Producing Thru tubing		Reservoir Temp. °F @	Mean Annual Temp. °F @
		Baro. Press. - P _a	State New Mexico
L	H	G _g	% CO ₂
		% H 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.	
SI	7 days						946		968	
1.	2.375		.750				76		424	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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		88	1.000	.9608	1.008	1054
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

P _c 980	P _c ² 960400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2468$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1799$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	436	190096	770304
2			
3			
4			
5			

$AOI^* = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1244$

$AOI^* = Q$

Absolute Open Flow	1244	Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Heavy H₂O

Approved By Commissioner	Conducted By JJB	Calculated By J. J. Barnett	Checked By
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