

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

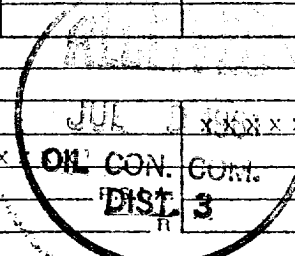
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 5/28/81				
Company Amoco Production Company				Connection NWPL					
Pool South Blanco				Formation Chacra				Unit	
Completion Date 03/07/81		Total Depth 4150		Plug Back TD 4105		Elevation 6830		Farm or Lease Name Jicarilla Contract 148	
Csq. Size 5.500	Wt. 17	d 5012	Set At 4150	Perforations: From 3918 To 3950			Well No. 20		
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 3956	Perforations: From open To ended			Unit Sec. Twp. Rge. B 23 25N 5W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Dual Later date					Packer Set At		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F θ		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	67 days						677		677	
1.	2.375	.750					43		218	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		55	1.000	.9608	1.006	657
2.							
3.							
4.							
5.							

NO.	P _c	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td></td>	
3.					Specific Gravity Flowing Fluid <td></td>	
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R



P _c 689	P _c ² 474721	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1254$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1056$
NO.	P _w	P _w ²	P _w ² - P _w ²
1	230	52900	421821
2			
3			
4			
5			

$AOI^* = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 726$

Absolute Open Flow	726	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: Heavy H₂O flow
 reason for delay waiting on Dual Completion

Approved by Commission	Conducted by: JJB	Calculated by: JJ Barnett	Checked by:
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