

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 2-6-73			
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company					
Pool Consales				Formation Mesaverra				Unit	
Completion Date 2-6-73		Total Depth 5402'		Plug Back TD 5366'		Elevation 6749' KB		Farm or Lease Name Jicarilla Contract 146	
Csg. Size 5-1/2"	Wt. 14#	d 5.012	Set At 5402	Perforations: From 5105 To 5327		Well No. 23			
Tbg. Size 2-3/8"	Wt. 4.716	d 1.995	Set At 5310	Perforations: From None To		Unit Sec. Twp. Rge. D 9 25N 5W			
Type Well - Single - Branchhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F 120° 5402		Mean Annual Temp. °F 60° F.		Baro. Press. - P _a 12 PSIA		State New Mexico	
L 5310'	H 5310'	Gg .65	% 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	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	7 Days					1112		1188		
1.	2-Inch	.750				106	60° Est.	113		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	12.3650		118	1.000	.9608	1.011	1417
2							
3							
4							
5							

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

NO.	P _c	P _w	R _c	R _w	R _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$
1	1200	1440000	325	105,625	1334375	1.0792	1.0588
2							
3							
4							
5							

Absolute Flow 1500 Mcfd @ 15.025		Angle of Slope ϕ	Slope, n .75
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Remarks:			
Calculated By: J. F. Ellledge	Calculated By: T. M. Oliver	Checked By: J. Arnold Snell	Checked By: P. C. Ellison