

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 7-9-73	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Ballard				Formation Pictured Cliffs		Unit
Completion Date 6-30-73		Total Depth 2989'		Plug Back TD 2954'		Elevation 7345' GL
Farm or Lease Name Jicarilla Tribal 358						Well No. 6
Csg. Size 4.500"	Wt. 9.5#	d 4.090	Set At 2989'	Perforations: From 2803' To 2861'		
Thg. Size 1.660"	Wt. 2.4#	d 1.380	Set At 2808'	Perforations: From Open To Ended		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Sandoval
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 60° est.		Baro. Press. - P _a 12 psia est.
State New Mexico						
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	9 days					718		718	
1.	2"	.750				25	60° est	416	60° est
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		37	1.000	.9608	1.000	440
2							
3							
4							
5							

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

P_c **730** P_c² **532,900**

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		428	183184	349716
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.5238}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.4304}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{629}$

Absolute Open Flow 629 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

Original Signed by
J. ARNOLD SNELL

Approved By Commission:	Conducted By: J. F. Elledge	Calculated By: J. F. Elledge	Checked By: J. W. Calvin
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