

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

Form C-122
Revised 9-1965

RECEIVED
JUN 21 1983

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 5-19-83				
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit 812	
Completion Date 4-11-83		Total Depth 6872		Plug Back TD 6826		Elevation 5917 GL		Farm or Lease Name L. C. Kelly	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6886	Perforations: From 6754 To 6796				Well No. 3E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6784	Perforations: From open To ended				Unit Sec. Twp. Rge. H 4 30 12	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At None			County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		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.	
SI	21 Days						1650		1915	
1.	2.375		.750				96		394	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		108	1.000	.9258	1.012	1251
2.							
3.							
4.							
5.							

NO.	P _f	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 _____ X 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 1927	P _c ² 3713329	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0465$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0346$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	406	164836	3548493
2			
3			
4			
5			

Absolute Open Flow 1294		Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: Completed by True Drilling Co.

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By
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