

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 2-6-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 1-16-81		Total Depth 6559		Plug Back TD 6522		Elevation 5677		Farm or Lease Name Skelly Gas Com	
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 6559	Perforations: From 6292 To 6474		Well No. 1E			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6491	Perforations: From open To ended		Unit 0	Sec. 32	Twp. 29N	Rge. 10W
Type Well - Single - Bradenhead - G.G. 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	Gg	% 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	7 days						675		930	
1.	2.375		.750				67		428	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mhd
1	12.365		79	1.000	.9258	1.009	912
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	942	440	193600	693464
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.2796$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.2031$

AOI = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1097$

Absolute Open Flow	1097	Mhd @ 15.025	Angle of Slope @	Slope, n	.75
--------------------	------	--------------	------------------	----------	-----

Remarks: Medium oil & Medium H₂O spray

Approved by Commission	Conducted by JJB	Calculated by J. J. BARNETT	Checked by
------------------------	---------------------	--------------------------------	----------------