

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

Full 122 Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 02/04/80		FEB 20 1980	
Company Amoco Production Company				Connection Llano Gas Company				O. C. D.	
Pool Wildcat				Formation Atoka				Unit ARTESIA, OFFICE	
Completion Date 11/07/79		Total Depth 12362.		Plug Back TD 12315.		Elevation 2965.		Farm or Lease Name Pecos Gas Com	
Csg. Size 4.500	Wt. 13.5	d 3.920	Set At 12360.	Perforations: From 11895 To 11908.		Well No. 1			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 11909.	Perforations: From 0 To 0		Unit K 35 24S 28E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 9793.		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 189.° 11902.		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 13.2		State New Mexico	
L 11902.	H 11902.	G _q 0.605	% CO ₂ 0.46	% N ₂ 0.61	% H ₂ S 0.	Prover 0.	Meter Run 4.0	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1133.	53.			72.0
1.	4.03 x 2.067			500.	3.2	50.	1018.	58.	0.	0.	0.7
2.	4.03 x 2.067			500.	13.0	60.	827.	66.	0.	0.	0.7
3.	4.03 x 2.067			510.	17.0	66.	707.	71.	0.	0.	0.7
4.	4.03 x 2.067			515.	21.0	69.	666.	74.	0.	0.	0.5
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	21.28	40.52	513.2	1.0098	1.2856	1.0488	1174.
2	21.28	81.68	513.2	1.0000	1.2856	1.0457	2336.
3	21.28	94.31	523.2	0.9943	1.2856	1.0445	2679.
4	21.28	105.32	528.2	0.9915	1.2856	1.0439	2981.
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.76	510.	1.43	0.909	0.	0.	0.605	X X X X X X X X	673.	358.
2	0.76	520.	1.45	0.915				X X X X X		
3	0.78	526.	1.47	0.917						
4	0.78	529.	1.48	0.918						
5										

P _c 1150.7	P _c ² 1324.	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8091$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6323$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	1063	1042	1086	238
2	706	885	783	541
3	519	789	623	701
4	461	770	592	732
5				

Absolute Open Flow 4866. Mcfd @ 15.025		Angle of Slope θ 50.4	Slope, n 0.826
Remarks:			
Approved By Commission:			
Conducted By: John West Engr.		Calculated By: R Whitten	
Checked By: William D. Magness			

3-NMOC-D-A 1-Hou 1-Susp 1-WDM 1-DLB 1-R. Enfield
1-Pecos Irr. 1-Union 1-Superior