

NEW MEXICO CONSERVATION COMMISSION
MULTIPOINT AND C BACK PRESSURE TEST FOR GAS WELL

Form C-121
Revised 7-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-10-75		FEB 21 1975	
Company Amoco Production Co.				Connection LLANO, INC.		O.C.C.	
Pool DOS HERMANOS				Formation MORROW		Unit	
Completion Date 5-2-1974		Total Depth 12,611		Plug Back TD 12,530		Elevation	
Casing Size 5 1/2"		Wt. 17.0 20.0		Set At 12612'		Perforations: From 11922' To 12324'	
Teg. Size 2 3/8"		Wt. 4.7		Set At 11912'		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At 11882'		County Eddy	
Producing Thru TUBING		Reservoir Temp. *F @		Mean Annual Temp. *F 60		Baro. Press. - P _a 13.2	
L		H		Gg 0.6529		Prover -	
				% CO ₂ 3.75		% H ₂ S -	
				% N ₂ 0.55		Meter Run 3"	
						Taps Flange	

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.	Temp. *F	
SI							3415.0		Packer	Choke	
1.	3"	x	2.00"	600.0	10.0	118	3025.0	66		12/64"	60 Min
2.	3"	x	2.00"	600.0	22.0	123	2720.0	67		15/64"	60 Min
3.	3"	x	2.00"	600.0	38.0	125	2470.0	67		17/64"	60 Min
4.	3"	x	2.00"	610.0	74.0	126	1736.0	66		24/64"	60 Min
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, Mscf/d
1	21.32	78.31	613.2	0.9485	1.237	1.041	2039
2	21.32	116.15	613.2	0.9444	1.237	1.039	3006
3	21.32	152.65	613.2	0.9428	1.237	1.039	3944
4	21.32	214.75	623.2	0.9420	1.237	1.039	5543
5							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio Tslm Mcf/cbl.
1.	0.90	578	1.56	0.923	A.P.I. Gravity of Liquid Hydrocarbons
2.	0.90	583	1.58	0.927	Specific Gravity Separator Gas 0.6529
3.	0.90	585	1.58	0.927	Specific Gravity Flowing Fluid XXXXX
4.	0.91	586	1.58	0.926	Critical Pressure 682 P.S.I.A.
5.					Critical Temperature 370 R

NO.	P _r ²	P _w ²	P _r ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.7443$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.6573$
1	9231	4105.2	16861	3843		
2	7470	3799.2	14434	6270		
3	6166	3549.2	13597	8107		
4	3060	2972.2	8834	11870		
5						

Absolute Open Flow 9186 Mcf/d @ 15.025				Angle of Slope θ 47.8°		Slope, n 0.903	
Remarks: Bottom Hole Pressure measured with Amerada gauge @ 11914'							
Approved By Commission:		Conducted By: G. PARKER		Calculated By: R. WEST		Checked By: J. A. DETTERICK	