

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-18-77		OCT 11 1977	
Company BELCO PETROLEUM CORPORATION			Connection To AIR		
Pool UN-DESIGNATED			Formation MORROW		
Completion Date 3-18-77		Total Depth 11,595'		Plug Back TD 11,540'	
Elevation 3112 GR.		Farm or Lease Name MOLLIE COM			
Csg. Size 5 1/2"	Wt. 17#	d 4.892"	Set At 11,595	Perforations: From 11,266 To 11,540	
Tbg. Size 2 7/8"	Wt. 6.5#	d 2.441"	Set At 11,098	Perforations: From OPEN ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 11,098'	
Producing Thru TUBING		Reservoir Temp. °F 188 @ 11,400'		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		State NEW MEXICO			
L 11400	H 11400	G _g .603	% CO ₂	% N ₂	% H ₂ S
Prover 4"		Meter Run 4"		Tags 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.	
1	4"	X	1.500"	500	4	96	2172	70		
2	4"	X	1.500"	500	5	102	1330	68		
3	4"	X	1.500"	150	6	114	587	66		
4	4"	X	1.500"	150	2	118	212	66		
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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	10.84	45.31	513.2	.9671	1.288	1.036	634
2	10.84	50.66	513.2	.9619	1.288	1.034	703
3	10.84	31.29	163.2	.9518	1.288	1.001	416
4	10.84	18.07	163.2	.9485	1.288	1.001	240
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NO.	P _f	Temp. °R	T _f	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	.76	556	1.55	.932			.603		671	358
2	.76	562	1.57	.936						
3	.24	574	1.60	.981						
4	.24	578	1.61	.981						
5										

NO.	P _f ²	P _s ²	P _f ² - P _s ²	(1) $\frac{P_f^2}{P_f^2 - P_s^2} =$	(2) $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n =$
1	2675.9	7160.4	4585.3	2.562	1.600
2	1874.8	3514.9	8230.8		
3	1274.9	1625.4	10120.3		
4	755.0	570.0	11175.7		
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Absolute Open Flow 1015 Mcfd @ 15.025		Angle of Slope θ 63.5°	Slope, n 500
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Remarks: BOTTOM HOLE PRESSURES MEASURED WITH KUSTER GAUGE @ 11,400'. NO FLUID MADE DURING TEST. POINT ALIGNMENT TO STEEP, A 63.5° SLOPE WAS DRAWN THROUGH LOW RATE OF FLOW.

Approved By Commission:	Conducted By: G.J.P.	Calculated By: R.R.	Checked By: J.W.W.
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