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JUN 15 1977
HOUSTON OFFICE

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

Form C-122
Revised 9-1-66

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 6-7-77	
Company BELCO PETROLEUM CORP.		Connection LLANO, INC.	
Pool Undesignated Osudo		Formation Upper Penn	
Completion Date 6/5/77		Total Depth 11,518'	Plug Back TD 11,448'
		Elevation 3647 GR.	
Csg. Size 5 1/2"		Wt. 17#	Set At 4.892"
Perforations: From 11,290' To 11,313'		Well No. 1 - ✓	
Tbg. Size 2 3/8"		Wt. 4.7#	Set At 11,157'
Perforations: From OPEN ENDED		Unit Sec. Typ. Hgs. C 19 21S 35E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At 11,120'	County LEA
Producing Thru TUBING		Reservoir Temp. °F 182 @ 11,320'	Mean Annual Temp. °F 60
		Baro. Press. - P _g 13.2	State NEW MEXICO
L 11302	H 11302	Gg 0.6342	% CO ₂ 0.371
		% N ₂ 0.949	% H ₂ S -0-
Prover		Meter Run 3"	Taps FLANGE
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3"	x	0.500"
2.	3"	x	0.500"
3.	3"	x	0.500"
4.	3"	x	0.500"
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	Duration of Flow
	1553.0		24 HRS.
	1417.0	82	60 MIN
	779.0	84	60 MIN
	740.0	84	30 MIN
	406.0	86	60 MIN
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	1.183	57.49	413.2
2	1.183	156.67	423.2
3	1.183	169.90	473.2
4	1.183	113.59	403.2
5			
NO.	R _f	Temp. °R	T _f
1	0.62	540	1.48
2	0.63	542	1.48
3	0.71	543	1.49
4	0.60	546	1.50
5			
Gas Liquid Hydrocarbon Ratio 4.703 Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas 0.6342 X X X X X X X X			
Specific Gravity Flowing Fluid X X X X X			
Critical Pressure 669 P.S.I.A. _____ P.S.I.A.			
Critical Temperature 365 R _____ R			
P _f 2625.2 P _s 6892			
NO.	P _f ²	P _s ²	P _f ² - P _s ²
1	2569.2	6601	291.0
2	2178.2	4745	2147.0
3	1839.2	3383	3509.0
4	1511.2	2284	4608.0
5			
(1) $\frac{P_f^2}{P_f^2 - P_s^2} = 1.496$ (2) $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 1.223$			
ACF = Q $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 208$			
Absolute Open Flow 208 Mcfd @ 15.025 Angle of Slope 63.4° Slope, n 0.500 LIM			
BOTTOM HOLE PRESSURES MEASURED WITH AMERADA GAUGE @ 11,320 FEET.			
REVERSE SLOPE - DREW 0.500 LIMITED SLOPE THROUGH 4TH RATE OF FLOW.			
Approved By Commission:		Conducted By: M.C.T.	Calculated By: R.L.W.
			Checked By: J.W.W.

OIL CONSERVATION COMM.
HOBBS, N. M.

JUN 21 1977

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