

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-6-85		OCT 08 1985	
Company Blackwood & Nichols Co., Ltd.		Connection Northwest Pipeline		OIL CON. DIV DIST. 3	
Pool S Los Pinos Ft/PC		Formation Fruitland-Pictured Cliffs		Unit Northeast Blanco	
Completion Date 8-30-85		Total Depth 3644'		Plug Back TD 3596'	
Elevation 6535'		Form or Lease Name Northeast Blanco Unit		Well No. 213	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3644'	Perforations: From 3470' To 3568'	Unit D
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 3529'	Perforations: From 3493' To 3503'	Sec. 12
Type Well - Single - Birdenhead - G.G. or G.O. Multiple Single				Packer Set At	County San Juan
Producing thru Tubing		Reservoir Temp. °F e	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	State New Mexico
L.	H	Gg 0.65	% CO ₂	% N ₂	% H ₂ S
Prover 3/4"		Meter Run	Taps		
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	3/4" choke				
2.					
3.					
4.					
5.					
TUBING DATA					
				Press. p.s.i.g.	Temp. °F
				1355	
				790	30°
CASING DATA					
				Press. p.s.i.g.	Temp. °F
				1355	
				1080	
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1.	12.365		802	1.0302	.9608
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons Deg.
2.					Specific Gravity Separator Gas XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure P.S.I.A. P.S.I.A.
5.					Critical Temperature °R °R
$P_c = 1367$ $P_c^2 = 1,868,689$ $P_w = 1092$ $P_w^2 = 1,192,464$ $P_c^2 - P_w^2 = 676,225$ $(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.7634$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3726$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 26,037$					
Absolute Open Flow 26,036 Mcfd @ 15.025 Angle of Slope θ Slope, n 0.85					
Remarks: Good well!					
Approved By Commission:		Conducted By: R. Thompson		Calculated By: W. F. Clark	
				Checked By:	