

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/8/87	
Company Robert L. Bayless		Connection Independent Pipeline Corp.	
Pool Wildcat P.C.		Formation Pictured Cliffs	
Completion Date 3/31/87		Total Depth 4010' RKB	Plug Back TD 3947' RKB
		Elevation 7208' RKB	Form or Lease Name Jicarilla 463
Csq. Size 4 1/2"	Wt. 11.6#	d 4.000	Set At 4009'
Perforations: From 3600 To 3704		Well No. #1	
Trq. Size 1 1/2"	Wt. 2.9#	d 1.610	Set At 3638'
Perforations: From To		Unit Sec. Twp. Rge. E 25 T30N R3W	
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		County Rio Arriba	
Reservoir Temp. °F •		Baro. Press. - P _a 12.0 psia (est)	
State New Mexico			
L	H	Gg .65	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

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	8 days						911		1142		
1.	2" x .750"						25		438	60° F	3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		37	1.0000	.9608	1.008	443
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1154	P _c 2 1,331,716					
NO.	P _t 2	P _w	P _t 2	P _c 2 - P _w 2	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1793$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1505$
1		450	202,500	1,129,216		
2						
3						
4						
5						

Absolute Open Flow 510		Mcf @ 15.025	Angle of Slope θ	Slope, n .85
Remarks: Well made heavy mist of water during test				

Approved By Division	Conducted By: David Ball	Calculated By: Kevin McCord	Checked By:
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