

OIL CONSERVATION DIVISION

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

APPROVED
2/1987CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/28/86	
Company Robert L. Bayless				Connection Independent Pipeline Corp.	
Pool Undesignated Fruitland				Formation Fruitland	
Completion Date 8/21/86		Total Depth 8700 ft.		Plug back TD Bridge plug @ 5900' RKB	
				Elevation 7163 RKB	
Csq. Size 5 1/2"				Well No. #1	
Wt. 15.5#		d 4.950"		Perforations: From 3678 To 3779	
Set At 7271				Unit Sec. Twp. Rye. K 4 T29N R3W	
Trg. Size 2 3/8"		Wt. 4.7#		d 1.995"	
Set At 4104				County Rio Arriba	
Type Well - Single - Bordenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F •		Baro. Press. - P _g 12.0 psia (est)	
Mean Annual Temp. °F				State New Mexico	
L	H	Cg .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	7 days						577		861		3 hrs.
1.	2" x .750"						1		110	60°F	
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		13	1.0000	.9608	1.007	156
2.							
3.							
4.							
5.							

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

P _c 873	P _c ² 762,129				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0199$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0169$
NO	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²		
1		122	14,884	747,245		
2						
3						
					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 159$	

Absolute Open Flow 159 Mcfd @ 15.025 Angle of Slope 85

Notes: Well was pumping when test taken - test taken against 150 psi back pressure regulator - Well made 3/4 Bbl water during test.

ed By Division

Conducted By:

David Bell

Calculated By:

Kevin McCord

Checked By: