

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8/12/85	
Company Robert L. Bayless			Connection None			
Pool Undesignated Fruitland Undesignated Pictured Cliffs			Formation Pictured Cliffs-Fruitland			Unit
Completion Date 8/5/85		Total Depth 6150	Plug Back TD 1327		Elevation 5652' GL	Farm or Lease Name Hoover
Csq. Size 2.875	Wt. 6.5	d 2.441	Set At 1367	Perforations: From 846 To 1259		Well No. #1
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Age A 21 30 14
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Commingle Fruitland & PC				Packer Set At None		County San Juan
Producing Thru casing		Reservoir Temp. °F	Mean Annual Temp. °F		Baro. Press. - P _a 12.0 psi (est)	State New Mexico
L	H	Gg .70 (est)	% 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								175		
1.	2 inch X .375								58	78°F	3 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	3.030		70	.9831	.9258	1.010	195
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 _____ 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 187	P _c ² 34,969				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1649$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1385$
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 222$	
1		70	4950	30,019		
2		(calculated)				
3						
4						
5						

Absolute Open Flow 222 Mcfd @ 15.025 Angle of Slope 0

Remarks:

Approved By Division	Conducted By: Tom Smith	Calculated By: Kevin McCord	Checked By:
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RECEIVED
AUG 20 1985
OIL CON. DIV.
DIST. 3