

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
AUG 01 1984

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-15-84	
Company Amoco Production Company		Connection Not Dedicated	
Pool Basin		Formation Dakota	
Completion Date 5-31-84		Total Depth 7630	Plug Back TD 7564
Elevation 6058 GR		Form or Lease Name Schenider Gas Com "C"	
Csg. Size 4.500	Wt. 11/6	d 4.000	Set At 7570
Perforations: From 7305 To 7560		Well No. 1	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7522
Perforations: From open To ended		Unit Sec. Twp. Rge. M 28 32 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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.	
SI	9 Days						2815		2815	
1.	2.375	.750					118		556	
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		130	1.000	.9258	1.015	1510
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

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1		568	322624	7669305
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0421$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1557$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0314$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Heavy H₂O Did not flare

Approved By Division	Conducted By: J. Barnett	Calculated By: J. Barnett	Checked By:
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