

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-26-98		RECEIVED OCT 29 1998 OIL CON. DIV. DIST. 3	
Company McElvain O&G Properties, Inc.		Connection EPFS			
Pool Blanco		Formation Mesaverde		Unit Brown Federal	
Completion Date 10-19-98		Total Depth 6253		Plug Back TD 6205	
Elevation		Perforations: From 4701 To 6071		Well No. 1R	
Coq. Size 7" Wt. 20# 4.500" 10.5#		Set At 3842 6251		Perforations: From Open To Ended	
Thc. Size 2.375" 4.7#		Set At 6054		Unit Sec. Twp. Rge. N 9 32N 10W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F .		Mean Annual Temp. °F .	
Baro. Press. - P _g 12 Psia est.		County San Juan		State New Mexico	
L H G _g .650 est.		% CO ₂ % N ₂ % H ₂ S		Provet Meter Run Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Provet 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	7 days						732		891	
1.	2"		.750	191			191	65°	704	
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	12.3650		203	.9952	.9608	1.019	2446
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	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 903 P_c² 815409

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		716	512656	302753
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6933$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1024$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5142$

Absolute Open Flow 5142 Mcfd @ 15.025	Angle of Slope _____	Slope, n 75
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Remarks: APT No: 30-045-29641

Heavy show of water. No show of condensate.

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Mr. Steuble
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