

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/19/84	
Company Cenergy Exploration Co.		Connection El Paso Natural Gas Co.	
Pool Ballard Pictured Cliffs		Formation Pictured Cliffs	
Completion Date 9/1/84		Total Depth 2900'	
Plug Back TD 2869'		Elevation 6888' RKB	
Farm or Lease Name Florance		Well No. 5	
Csg. Size 4 1/2"		Wt. 10.5#/ft.	
d 4.052		Set At 2900	
Perforations: From 2516 To 2536		Well No. 5	
Thg. Size 1 1/2"		Wt. 2.9#/ft.	
d 1.610		Set At 2531	
Perforations: From None To		Unit A	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
County Rio Arriba		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _a 12.0 est.	
L		H	
G _g .65 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
SI	9 days		
1.	2 inch	.500	
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	5.4315		86
2.			
3.			
4.			
5.			
Flow Temp. Factor Ft.			
Gravity Factor F _g			
Super Compress. Factor, F _{pv}			
Rate of Flow Q, Mcfd			
1			453
2.			
3.			
4.			
5.			
NO.	P _r	Temp. °R	T _r
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 681 P _c ² 463,761			
NO.	P _r ²	P _w	P _w ²
1		262	68,644
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1737$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1459$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 519$			
Absolute Open Flow 519 Mcfd @ 15.025			
Angle of Slope θ _____ Slope, n .85			
Remarks:			
Approved By Division			
Conducted By: Bob Tunnell			
Calculated By: Kevin McCord			
Checked By:			