ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501 Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☐ Initial ☒ Annual ☒ Special				Test Date: 12-30-83	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			
Pool: Ute ~~Done~~ Dome		Formation: Dakota		Unit	
Completion Date: 12-9-83	Total Depth: ~~3093~~ 3125	Plug Back TD: ~~2980~~ 3049	Elevation: 6371 GL	Farm or Lease Name: Ute Mountain Tribal D	
Csg. Size: 5.500 / Wt.: 14 / d: 5.012 / Set At: 3093		Perforations: From 2870 To 2950		Well No.: 3	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2911		Perforations: From open To ended		Unit: F / Sec.: 10 / Twp.: 31 / Rge.: 14	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	15 Days					665		667		
1.	2.875	.750				197		509		3 hrs
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	12.365		209	1.000	.9258	1.025	2452
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 679 P_c^2 461041

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		521	271441	189600
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4317$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9473$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4775$

Absolute Open Flow 4775 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Refrac flared light spray water

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