

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
DEC 04 1986
OIL CON. DIV
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-26-86	
Company Cinco Limited			Connection El Paso Natural Gas Co.		
Pool Blanco			Formation Mesa Verde		
Completion Date 11-5-86		Total Depth 5700'		Plug Back TD 5656'	
				Elevation 6186' GR	
Farm or Lease Name State Pat			Well No. 1		
Csg. Size 7" Wt. 20 #		d 6.456 Set At 5574		Perforations: From 4591 To 5579	
4 1/2 11.6		4.000 3202-5698			
Thg. Size 2 3/8		Wt. 4.7		d 1.995 Set At 5583	
				Perforations: From To open ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At none	
Producing Thru tubing		Reservoir Temp. °F p		Mean Annual Temp. °F 50	
				Baro. Press. - P _a 12.2	
L		H		G _g .65	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				Prover	
				Meter Run 3"	
				Taps flange	

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							825		850	
1.	3"	x	2.500"	9.37	5.70	42	365		765	
2.				(square root)						
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	67.5	53.41	219.2	1.018	.9923	1.025	3753
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.3272	502	1.3387	.951	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ 670 _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ 375 _____ R _____ R

P _c 862.2 P _c ² 743388.8	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 5.3347$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 3.5102$	
NO.	P _e ²	P _w	P _e ² - P _w ²
1		777.2604039	8 139349
2			
3			
4			
5			

Absolute Open Flow _____ 13174 _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____ .75	
Remarks: Produced .75 bbl. condensate, no water					
Approved By Division		Conducted By: R.E. Lankford		Calculated By: R.E. Fielder	
				Checked By:	