

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
FEB 14 1985

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2/5/85									
Company Amoco Production Company		Connection El Paso Natural Gas Co.									
Pool Basin		Formation Dakota									
Completion Date 1/8/85		Total Depth 6374									
Plug Back TD 6318		Elevation 5983 GR									
Farm or Lease Name McGrady "C"		Well No. 1E									
Ceq. Size 4.500		Wt. 10.5									
d 4.052		Set At 6374									
Perforations: From 6174 To 6260		Well No. 1E									
Perforations: From open To ended		Unit Sec. Twp. Rge. B 14 27 12									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None									
Producing Thru tubing		Reservoir Temp. °F #									
Mean Annual Temp. °F #		Baro. Press. - P _a									
State New Mexico		County San Juan									
L H Gg % CO ₂ % N ₂ % H ₂ S Prover		Meter Run Taps									
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	12 days						1550		1905		
1.	2.375	.750					162		507		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12.365		174	1.000	.9258	1.020	2032				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mc'/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						
1.											
2.											
3.											
4.											
5.											
P _c 1917 P _c ² 3674889					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0791$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0588$						
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1		519	269361	3405528							
2											
3											
4											
5											
Absolute Open Flow 2151 Mcfd @ 15.025					Angle of Slope θ			Slope, n .75			
Remarks: Med H ₂ O, Med oil, flared											
Approved By Division											
Conducted By: J.J. Barnett											
Calculated By: J.J. Barnett											
Checked By: 											