

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
FEB 05 1986
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-14-86							
Company TENNECO OIL CO.				Connection							
Pool OTERO				Formation CHACRA							
Completion Date		Total Depth 7010		Plug Back TD 6988							
Elevation		Farm or Lease Name DAUM LS									
Csg. Size 7" 4 1/2"		Set At 3750 7002		Perforations: From 3402 To 3537							
Well No. 6E											
Trg. Size 1 3/4"		Set At 3542		Perforations: From To							
Unit B		Sec. 32		Twp. 28							
Rye. 9											
Type Well - Single - Brdenhead - G.G. or G.O. Multiple				Packer Set At 3587							
Producing Thru				County SAN JUAN							
Reservoir Temp. °F				State NEW MEXICO							
Mean Annual Temp. °F											
Baro. Press. - P _a											
L		H		Cg							
				.680							
% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							920		920		
1.	2x6x.75						146		572	46	3 hours
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	11		158	1.014	1.213	1.0185	2177				
2.											
3.											
4.											
5.											
NO.	R _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1	.23	506	1.31	.964	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 932 P _c ² 868624											
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6474$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5285$						
1		584	341056	527568							
2.											
3.											
4.											
5.											
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3327$											
Absolute Open Flow 3327				Mcf/d @ 15.025				Angle of Slope @		Slope, n 85	
Remarks:											
Approved by Division Conducted By. Calculated By. Checked By:											