

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

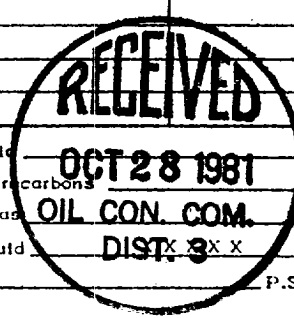
Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 10-16-81	
Company Amoco Production Company				Connection Southern Union Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 9-23-81		Total Depth 6815		Plug Back TD 6769		Elevation 6197 GL	
Farm or Lease Name Fred Feasel "H"							
Csg. Size 4.500	Wt. 10.5	d 5.042	Set At 6815	Perforations: From 6554 To 6724		Well No. 1E	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6540	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 33 28N 10W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F ρ		Mean Annual Temp. °F		State New Mexico	
L		H		Gg		% 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	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	10 Days						1001		1001	
1.	2.375		.750				72		463	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		84	1.000	1.009	.9258	970
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature	R _____ R



P _c 1013 P _c ² 1026169		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2818$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2047$	
NO	P _f	P _w	P _w ²	P _c ² - P _w ²	
1		475	225625	800544	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1169$

Absolute Open Flow 1169	Mafd = 15.025	Angle of Slope = _____	Slope, n = .75
Remarks: _____			

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