

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-22-81	
Company Amoco Production Company			Connection Southern Union Gas Company		
Pool Basin			Formation Dakota		Unit
Completion Date 9-27-81		Total Depth 6643	Plug Back TD 6601	Elevation 6018 GL	Farm or Lease Name Fred Feasel "L"
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6643	Perforations: From 6372 To 6527	Well No. 1E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6515	Perforations: From open To ended	Unit Soc. Twp. Rge. I 32 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 θ	Mean Annual Temp. °F	Baro. Press. - P _a	State New Mexico
L	H	G _g	% 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.	Temp. °F	
SI	12 Days						1190		1190		
1.	2.375		.750				163		564		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		175	1.000	.9258	1.020	2043
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separating Gas <td>XXXXXX</td>	XXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXX</td>	XXXXX
4.					Critical Pressure P.S.I.A. <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature °R <td>°R</td>	°R

NOV 2 - 1981
OIL CON. COM.
DIS 3

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		576	331776	1113028
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2981$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2485$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2161$

Absolute Open Flow	2485	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:			
Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By