

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 12/7/67	
Company Southern Union Production Co.				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 11/25/67		Total Depth 7300		Plug Back TD 7281		Elevation 6951
Farm or Lease Name Nickson						Well No. 13
Csg. Size 4-7/8"	Wt. 10.50#	d	Set At 7299	Perforations: From 7048 To 7271		
Thg. Size 1-1/2" EUE	Wt. 2.90#	d	Set At 7155	Perforations: From 7147 To 7155		Unit Sec. Twp. Rge. M 26 26N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
State New Mexico						
L 7137	H	Gg .700	% 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	2"		3/4"				2406		2409		7 days
1.							240	60	937		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		252	1.000	.9258	1.030	2,971
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	RECEIVED DEC 12 1967 OIL CON. COM. DIST. 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
				Specific Gravity Separator Gas _____	XXXXXX
				Specific Gravity Flowing Fluid _____	XXXXX
				Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
				Critical Temperature _____ R	_____ R

P _c 2421	P _c ² 5,861,241		
NO.	P _t ²	P _w	P _w ²
1	63,504	949	900,601
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1815$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1332$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,367$$

Absolute Open Flow 3,367 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: **Witnessed by Don Norton**

ORIGINAL SIGNED BY
WAYNE WARRINGTON

Approved By Commission:	Conducted By: W. Warrington	Calculated By: W. Warrington	Checked By: W. Warrington
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