

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 1/3/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 12/16/67		Total Depth 8175 FT.		Plug Back TD 7220 FT.		Elevation 6913 FT.	
Farm or Lease Name NICKSON		Well No. 17					
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 7392	Perforations: From 6982 To 7200		Unit Sec. Twp. Rge. 1 22 26N 8W	
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 7112	Perforations: From 7104 To 7112			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE - GAS				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 7094	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"				2092		2065		14 DAYS
1.							240	64.0	873		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		252	.9962	.9258	1.030	2,960
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.				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

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2150$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1573$
1	63,504	885	783,225	364,3591		
2						
3						
4						
5						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,426$

Absolute Open Flow **3,426** Mcfd @ 15.025

Angle of Slope θ _____ Slope, n **.75**

Remarks: **WITNESSED BY DON NORTON WITH EL PASO NATURAL GAS COMPANY**

Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: WAYNE WARRINGTON	Checked By: KENNETH E. RODDY
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