

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

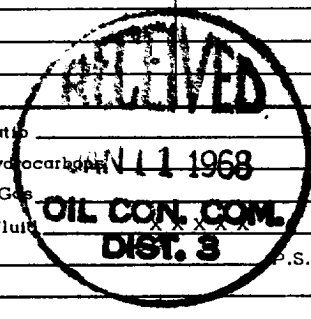
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/9/68	
Company Southern Union Production Co.				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 12/15/67		Total Depth 6750		Plug Back TD 6723		Elevation 6401
Farm or Lease Name Hickson						
Csg. Size 1.500	Wt. 10.50	d 1.052	Set At 6749	Perforations: From 6615 To 6711		Well No. 14
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 6658	Perforations: From 6650 To 6658		Unit C Sec. 23 Twp. 26N Rge. 8E
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 6639	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"				2007		1940		20 days
1.							840	67	901		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	.9933	.9258	1.029	2,949
2.							
3.							
4.							
5.							

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



P _c 2019	P _c ² 4,076,361	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.2571$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.1871$
NO	P _t ²	P _w	P _w ²
1	57,504	913	833,569
2			
3			
4			
5			

Absolute Open Flow 3,501 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: Witnessed by Clarence Wagner			
ORIGINAL SIGNED BY WAYNE WARRINGTON			
Approved By Commission:	Conducted By: W. Warrington	Calculated By: W. Warrington	Checked By: W. Warrington