

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 4-23-80				
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-16-80		Total Depth 6590'		Plug Back TD 6587'		Elevation 5883' GR		Farm or Lease Name McClanahan	
Csg. Size 5.500	Wt. 24#	d 4.8920	Set At 6589'	Perforations: From To		Well No. #17E			
Tng. Size 2.0625	Wt. 15.5#	d 1.7500	Set At 6514'	Perforations: From 6373' To 6505'		Unit Sec. Twp. Rge. I 24 - 28N - 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Multiple					Packer Set At 4518'		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F 12.2		Baro. Press. - P _a		State New Mexico	
L	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							1005				
1.	2" X 1/2"						118				1 Hour
2.							52				2 Hours
3.							36				3 Hours
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	5.4315		48.2	1.0000	.9258	1.0000	242
2.							
3.							
4.							
5.							

NO.	R _t	Temp. °R	T _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 _c	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$
1	1017.2	48.2	2323.2	1032372.6	1.0022	1.0017
2						
3						
4						
5						

Absolute Open Flow 242 Mcfd @ 15.025 Angle of Slope θ 75

Remarks: _____

Approved By Commission:	Conducted By: Jim Choquette	Calculated By: James Smith	Checked By: L. O. Van Ryan
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