

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date 9/12/91		RECEIVED	
Company Southland Royalty		Connection			
Pool Blanco		Formation Mesaverde			
Completion Date		Total Depth 5533	Plug Back TD 5500	Elevation 6052 GL	Farm or Lease Name Horton
Cas. Size 4.50	Wt. 10.5	d 5532	Set At 5532	Perforations: From 4284 To 5229	Well No. 1R
Tub. Size 2.375	Wt. 4.70	d	Set At	Perforations: From To	Unit Sec. Twp. Rge. NW 35 32N 11W
Type Well - Single - Broadhead - G.C. or G.O. Multiple				Packer Set At	County San Juan
Producing Thru		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g 12.2	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.
SI	2"		.750				525	60	525	60
1.							218	60	505	60
2.							217	60	501	60
3.							217	60	500	60
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, Mcid
1	12.365		229.2	1.000	.9258	1.000	2624
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 _____ 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 _r ²	P _w	P _w ²	P _r ² - P _w ²
1	537.2	288.584	512	262349
2				
3				
4				
5				

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 10.9999$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 15848$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 6.04$$

Absolute Open Flow _____ Mcid @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____		

Approved By Division	Conducted By: S. Adams	Calculated By: S. Adams	Checked By:
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