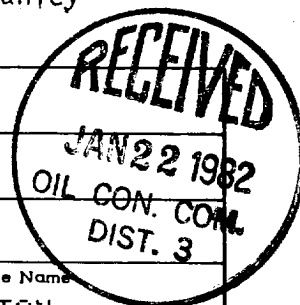


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

State - 4
 Northwest Pipeline
 Kyle Stanley
 Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-18-82	
Company MESA PETROLEUM CO.		Connection ?	
Pool BLANCO MESAVERDE		Formation MESAVERDE	
Completion Date 1-2-82		Total Depth 6950.	Plug Back TD 6910.
		Elevation 5812.	Farm or Lease Name BRUINGTON
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6946.
Perforations: From 4516. To 4606.		Well No. 15E	
Thq. Size 0.	Wt. 0.	d 0.	Set At 0.
Perforations: From 0. To 0.		Unit Sec. Twp. Rge. SEC 15-T30N-R11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple FLOWING		Packer Set At 6590.	County SAN JUAN
Producing Thru CASING	Reservoir Temp. °F 135.0	Mean Annual Temp. °F 60.0	Baro. Press. - P _a 13.2
State NEW MEXICO			
L 4561.	H 4561.	Gg 0.650	% CO ₂ 0.
		% N ₂ 0.	% H ₂ S 0.
		Prover 0.	Meter Run 0.
		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	
SI									
1.	2.00	X	0.750	130.	0.	60.	0.	0.	1059.
2.									35.
3.									168.0
4.									3.0
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.	10.94	0.	143.2	1.0000	1.2403	1.0144	1972.
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.21	520.	1.39	0.972		
2.						
3.						
4.						
5.						

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R					XXXXXXXXXX 0.650 670. 374.
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$P_c = 1078.5$ $P_c^2 = 1163.$	$(1) \frac{P_c^2}{P_r^2 - P_w^2} = 1.0180$ $(2) \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0134$
NO. P _r ² P _w ² P _r ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1998.$
1. 71. 143. 21.	
2.	
3.	
4.	
5.	

Absolute Open Flow	1998.	Mcf/d @ 15.025	Angle of Slope @	53.1	Slope, n	0.750
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Remarks: Well tested from casing

Approved By Commission:	Conducted By: Charlie James	Calculated By: Shirley Wetrosky	Checked By: John Benton
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