

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 7-14-92	
Company Meridian Oil Co.				Connection None			
Pool Rhodes				Formation Yates		Unit	
Completion Date 6/22/92		Total Depth 3080		Plug Back TD 3031'		Elevation 2976.7 GR	
Csg. Size 4-1/2		Wt. 11.6		Set At 3068		Perforations: From 2798 To 2907	
Thq. Size 2-3/8		Wt. 4.7		Set At 2784		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 87 @ 2852		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.20	
L 2852		H 2852		Gg 664		% CO ₂ 1.80	
				% N ₂ 1.48		% H ₂ S 00.	
				Prover 2.0		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	Press. p.s.i.g.	Temp. °F	
1.	2.00	X	.500	5	0	82	213	76	0	0	
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.	4.27	00	18.2	.9795	1.2272	1.0056	94
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1.	.03	542	1.46	.989	.000	
2.					A.P.I. Gravity of Liquid Hydrocarbons	0. Deg.
3.					Specific Gravity Separator Gas	664
4.					Specific Gravity Flowing Fluid	664
5.					Critical Pressure	675 P.S.I.A.
					Critical Temperature	371 R

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 230.9$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 53$
1.		226	51	2		
2.						
3.						
4.						
5.						

Absolute Open Flow 2287 Mcfd @ 15.023 Angle of Slope θ 45° Slope, n 1.000

Remarks: A-1-Point test was run due to well loading up with fluid and dieing during 4-Point test 7-10-92

Approved By Commission:	Conducted By: Kuykendall Bottom Hole Pressure, Inc.	Calculated By: John Spruell	Checked By: Fred Coonce
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