

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-08-87	
Company MERIDIAN OIL, INC.		Connection	
Pool BLANCO		Formation MESAVERDE	
Completion Date 11-30-87	Total Depth 5257'	Plug Back TD 5241'	Elevation 6036' GL
Farm or Lease Name HARTMAN COM		Well No. 4	
Ceq. Size 4.5000	Wt. 10.5	d 4.0520	Set At 5257
Perforations: From 4768 To 5026		Well No. 4	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 5012
Perforations: From To		Unit Sec. Twp. Rge. H 26 30 11	
Type Well - Single - Drdhead - G.G. or G.O. Multiple G. G.		Packer Set At 1134'	
County SAN JUAN		State NEW MEXICO	
Producing Thru TUBING	Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P _g 12.2
L	H	G _g .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							1009		1009	
1.	2" X 3/4						288		779	58
2.							234		728	62
3.							220		689	62
4.										
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 O, Mcfd
1	12.365		232.2	1.0000	.9258	1.0000	2658
2.							
3.							
4.							
5.							

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

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OIL CON. DIV

DIST. 3

P _c 1021.2	P _c ² 1042849.4	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8921$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6133$
NO	P _i ²	P _w	P _w ²
1		701.2	491681.4551168.0
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4288$

Absolute Open Flow 4288	Mcf @ 15.025	Angle of Slope	Slope, n .75
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Remarks: **mist of oil and water after 30 minutes.**

Approved By Division	Conducted By: STEVE MCCAMENT	Calculated By: JAMES WM. SMITH	Checked By:
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