

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 02-10-88	
Company MERIDIAN OIL, INC.		Connection EL PASO NATURAL GAS COMPANY	
Pool BLANCO		Formation MESAVERDE	
Completion Date 12-13-87	Total Depth 4799'	Plug Back TD 4748'	Elevation 5667' GL
Farm or Lease Name TAYLOR COM		Well No. 2	
Cing. Size 4.5000	Wt. 10.5	d 4.0520	Set At 4799'
Perforations: From To		Well No. 2	
Thg. Size 2.3750	Wt. 4.7	d 1.9950	Set At 4651'
Perforations: From 3838' To 4661'		Unit Sec. Twp. Rge. P 17 30 11	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE		Packer Set At N/A	
County SAN JUAN		State NEW MEXICO	
Producing Thru TUBING	Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P _a 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.	Temp. °F	
SI							894		1208		
1.	2" X 3/4"						504		1002	72°	1 HR.
2.							466		934	75°	2 HRS.
3.							436		890	79°	3 HRS.
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		448.2	1.0000	.9258	1.0000	5131
2.							
3.							
4.							
5.							

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

P _c 1220.2	P _c ² 1488888	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2060$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8101$
NO.	P _i ²	P _w	P _w ²
1	902.2	813965	674923
2.			
3.			
4.			
5.			

Absolute Open Flow	9288	Mcf @ 15.025	Angle of Slope	Slope, n	.75
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Remarks: WELL FLOWED LIGHT MIST OF OIL & H₂O THROUGHOUT TEST.

Approved By Division	Conducted By: STEVE MCCAMENT	Calculated By: BRENDA M. FLAHERTY	Checked By:
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