

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-16-87	
Company MERIDIAN OIL, INC.		Connection EL PASO NATURAL GAS COMPANY	
Pool BLANCO		Formation MESAVERDE	
Completion Date 12-09-87	Total Depth 5088'	Plug Back TD 4868'	Elevation 5818' GL
Farm or Lease Name MORRIS A Com		Well No. 18	
Csg. Size 4.5000	Wt. 10.5	d 4.0520	Set At 4867
Perforations: From 4537 To 4870		Well No. 18	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 4810
Perforations: From To		Unit I	Sec. 22
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE		Packer Set At N/A	Twp. 30
County SAN JUAN		Age 11	
Producing Thru TUBING	Reservoir Temp. °F p	Mean Annual Temp. °F p	Baro. Press. - P _a 12.2
State NEW MEXICO			
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							1039		1182	27°
1.	2" X 3/4						332		957	58°
2.							307		898	60°
3.							286		852	60°
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 Q, Mcfd
1	12.365		298.2	1.0000	.9258	1.0000	3414
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	XXXXXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _i ²	P _w	P _w ²	P _i ² - P _w ²	(1) $\frac{P_c^2}{P_i^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n =$
1	864.2	746841.6	679272.0		2.0995	1.7441
2						
3						
4						
5						

Absolute Open Flow 5955		Mcf/d @ 15.025	Angle of Slope	Slope, n .75
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Remarks: **flowing slugs of paraffin oil and water, throughout test the well would not flare**

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