

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date	
Company MERIDIAN OIL INC.		Connection EL PASO NATURAL GAS COMPANY	
Pool BLANCO		Formation PICTURED CLIFFS	
Completion Date 11-05-88	Total Depth 3688	Plug Back TD 3664	Elevation 6794' GL
Farm or Lease Name S. J. 29-7 UNIT		Well No. 143	
Csg. Size 4.5000	Wt. 10.5	d 4.0520	Set At 3686
Perforations: From 3628 To 3662		Well No. 143	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 3656
Perforations: From To		Unit Sec. Twp Rge. D 25 29N 07W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At N/A	
Producing Thru TUBING		County RIO ARRIBA	
Reservoir Temp. °F p		Baro. Press. - P _a 12.2	
State NEW MEXICO			
L	H	Cg .690	% 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	2	X	.750				1059		1070		
1.							222		451		1 HOUR
2.							172		357		2 HOURS
3.							149		314		3 HOURS
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1	12.365		161.2	1.0000	1.0000	.9258	1845
2.							
3.							
4.							
5.							

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

P _c 1082.2 P _c ² 1171156.8				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		326.2	106406.4	1064750.4
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.099$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1980$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0734$

Absolute Open Flow _____ Mcd @ 15.025	Angle of Slope @ _____	Slope, n .85
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Remarks: **NO FLUIDS PRODUCED DURING TEST**

Approved By Division	Conducted By: JOHN EASLEY	Calculated By: CLIFF BROCK	Checked By:
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