

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 08-25-88			
Company MERIDIAN OIL				Connection EL PASO NATURAL GAS COMPANY					
Pool UNDESIGNATED				Formation FRUITLAND COAL				Unit	
Completion Date 07-31-88		Total Depth 3091'		Plug Back TD		Elevation 6386' GL		Farm or Lease Name ATLANTIC C	
Co. Size 7.0000 4.5000	Wt. 20.0 10.5	d 6.4560 4.0520	Set At 2885' 3090'	Perforations: From To		Well No. 201			
Thg. Size 2.3750	Wt. 4.7	d 1.9950	Set At 3070'	Perforations: From 2911 To 3083		Unit Sec. Twp. Rge. L 35 31 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At N/A		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _g		State NEW MEXICO	
L	H	G _g .62	% CO ₂	% N ₂	% H ₂ S	Prover .750 CHOKE		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							801		798	
1.	2"	X	.750				144		302	71°
2.							100		220	72°
3.							70		170	73°
4.							45		140	76°
5.							25		100	83°

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, Mcfd
1							
2							
3							
4							
5	12.365		37	.9786	.9837		440

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0692$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.058$
1						
2						
3						
4						
5	1369	112	12544	181056	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 465.7$	

Absolute Open Flow 466		Mcf @ 15.025	Angle of Slope @	Slope, n .85
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Remarks: MADE APPROXIMATELY 1 1/2 BBLs H₂O DURING 3 HOUR TEST.

Approved By Division	Conducted By: MICK FERRARI	Calculated By: R. F. HEADRICK	Checked By:
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