

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	
Completion Date 07-19-88		Total Depth 3155		Plug Back TD	
Elevation 6422' GL		Farm or Lease Name ATLANTIC C			
Csg. Size 7.0000	Wt. 20.0	d 6.4560	Set At 2950	Perforations: From To	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 3152	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At N/A	
Producing Thru TUBING		Reservoir Temp. °F p		Mean Annual Temp. °F	
Baro. Press. - P _a		State NEW MEXICO			
L	H	G _g .62	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
.750 CHOKE					

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							486		474		
1.	2"	X	.750				168	73°	249		15 MIN.
2.							101	72°	158		30 MIN.
3.							54	74°	111		45 MIN.
4.							39	75°	84		1 HR.
5.							13	82°	48		3 HRS.

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		25	.9795	.9837		298

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 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 _i ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0422$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0351$
1						
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 308.6$				RECEIVED OCT 1 1988 OIL CONSERVATION DIVISION
Absolute Open Flow 309 Mcfd @ 15.025 Angle of Slope _____ Slope, n _____				
Remarks: DRY-NO WATER				

Approved By Division	Conducted By STEVE MCCAMENT	Calculated By R. F. HEADRICK	Checked By:
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