

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 08-30-88	
Company MERIDIAN OIL		Connection EL PASO NATURAL GAS COMPANY	
Pool UNDESIGNATED		Formation FRUITLAND COAL	
Completion Date 08-15-88		Total Depth 3372'	Plug Back TD
		Elevation 6640' GL	Farm or Lease Name ATLANTIC D COM A
Csg. Size 5.5000	Wt. 15.5	d 4.9500	Set At 3372'
Perforations: From 3197 To 3286		Well No. 200	
Thq. Size 2.3750	Wt. 4.7	d 1.9950	Set At 3357
Perforations: From To		Unit Sec. Twp. Rye. H 36 30 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 _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	
1.	2"	X	.750				588	77°	581		
2.							126	72°	318		15 MIN.
3.							66	73°	200		30 MIN.
4.							39	74°	154		45 MIN.
5.							37	76°	140		60 MIN.
6.							22	84°	116		180 MIN.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.	12.365		34	.9777	.9837		404

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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1115$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.09$
1.						
2.						
3.						
4.						
5.	1156	128	16384	14683.2	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 442$	

Absolute Open Flow	442	Mcfd @ 15.025	Angle of Slope @	Slope, n.
Remarks: MADE APPROXIMATELY 3 BBLS. OF WATER DURING 3 HR. TEST				

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