

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
APR 03 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-26-84	
Company Amoco Production		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 3-14-84		Total Depth 7554	Plug Back TD 7520
		Elevation 6300 GL	
Cog. Size 7.000	Wt. 23	d 6.366	Get At 3250
Perforations: From 7310 To 7516		Well No. 3E	
Tng. Size 2.375	Wt. 4.7	d 1.995	Get At 7350
Perforations: From open To ended		Unit D	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single		Packer Set At none	County San Juan
Producing Thru tubing	Reservoir Temp. °F -	Mean Annual Temp. °F -	State New Mexico
L	H	G _g	% 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	7 days						2023		2025		
1.	2.375		.750				140		655		3 hrs.
2.											
3.											
4.											
5.											

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, F _{sp}	Rate of Flow Q, Mcfd
1	12.365		152	1.000	.9258	1.017	1770
2.							
3.							
4.							
5.							

NO.	R _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/mbbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 2037		P _c ² 4149369		(1) $\frac{P_c^2}{R^2 - R_w^2} = 1.1201$	(2) $\left[\frac{P_c^2}{R^2 - R_w^2} \right]^n = 1.0888$
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	
1		667	444889	3704480	
2					
3					
4					
5					

AOF = Q $\left[\frac{R^2}{R^2 - R_w^2} \right]^n = 1927$

Absolute Open Flow	1927	Mcf @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Drilled by True + completed by True
Heavy mist H2O would not flare

*4.500 set @ 3036' to 7540

Approved by Division	Conducted by: B. Neidigh	Calculated by: J. Barnett	Checked by: R.L. Rickford
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