

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-28-85	
Company Amoco Production		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 6585	Total Depth 6003	Plug Back TD 5960	Elevation 5614 GR
Coq. Size 7.000	Wt. 23	d 6.366	Set At 6003
Perforations: From 5762 To 5872		Well No. 194E	
Fig. Size 2.375	Wt. 4.7	d 1.995	Set At 5885
Perforations: From open To ended		Unit Sec. Twp. Rge. L 5 27 12	
Type Well - Single - Broadhead - G.C. or G.O. Multiple single		Packer Set At None	
Producing Thru tubing		Baro. Press. - P _a	
County San Juan		State New Mexico	
L	H	Gg	% 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						975		1065		
1.	2.375	..750					318		788		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		320	1.000	.9258	1.040	3810
2.							
3.							
4.							
5.							

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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1077	P _c ² 1159929			
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		800	640000	519929
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2309$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8254$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6955$

Absolute Open Flow 6955 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: Flared, Med H2O, Med Condensate

Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By:
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