

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2/10/85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 1/31/85	Total Depth 6324	Plug Back TD 6278	Elevation 5724 GR
Cq. Size 7.000		Wt. 23	d 6.366
Set At 6324		Perforations: From 6128 To 6212	
Thg. Size 2.375		Wt. 4.7	d 1.995
Set At 6233		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Baro. Press. - P_g	
Reservoir Temp. °F #		Mean Annual Temp. °F	
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	7 days						1107		1125		
1.	2.875		.250				598		910		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 , Mc/d
1	1.3309		610	1.000	.9258	1.087	817
2.							
3.							
4.							
5.							

NO.	R_f	Temp. °R	T_f	Z	Gas Liquid Hydrocarbon Ratio _____ Mc/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

P_c 1137	P_c^2 1292769				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.9203$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 22339$
NO.	P_r^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		922	850084	442685		
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1825$$

Absolute Open Flow 1825 Mc/d @ 15.025 Angle of Slope θ Slope, n .75Remarks: flared, lite oil, lite H₂O

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