

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

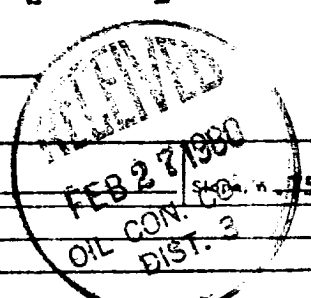
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 02 04 80	
Company AMCO PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 01 11 80		Total Depth 6453		Plug Back TD 6438		Elevation 5531 GL
Csg. Size 4.500		Wt. 11.6	d 4.000	Set At 6486	Perforations: From 6199 To 6410	
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 6401	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE		Form or Lease Name KEYS GAS COM D
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Well No. 1E
L		R	Gg	% CO ₂	% N ₂	Unit Sec. Twp. Rge. I 29 29 10
County NEW MEXICO				State		
Prover		Meter Run		Taps		

FLOW DATA							BING 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	10 days						1150		1365		3 hrs
1.	2.375	.750					67		335		
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			1.000	.9258	1.000	912
2.							
3.							
4.							
5.							

NO.	P _t	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
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 _____ H

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1		347	120409	1775720	1.0678	1.0504
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope ← _____	
$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$ 958					
					

Approved By Division	Conducted By	Calculated By	Checked By
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