

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED
JUL 22 1985
Oil Cons. Div.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-17-85				
Company El Paso Natural Gas					Connection				
Pool Basin					Formation Dakota				
Completion Date 7-17-85		Total Depth 6707		Plug Back TD 6687		Elevation 6418 GR		Farm or Lease Name Huerfano Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6706	Perforations: From 6430 To 6577		Well No. #209E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6547	Perforations: From To		Unit Sec. Twp. Rge. N 23 26 9			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	of Flow
SI							1079		1132		7 Days
1.			.750	114		79	114		399		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 _{pv}	Rate of Flow Q, Mcfd
1	12.365		126	.9822	.9258	1.015	1438
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 _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1144 P _c ² 1308736				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		411	168921	1139815
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1308736}{1139815}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1092$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1595$$

Absolute Open Flow 1595 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .75	
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Remarks: Produced medium spray water throughout test. Gas vented during test = 230 MCF.

Approved By Commission:	Conducted By: Joe Gillentine	Calculated By: Ed Mabe	Checked By: kld
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