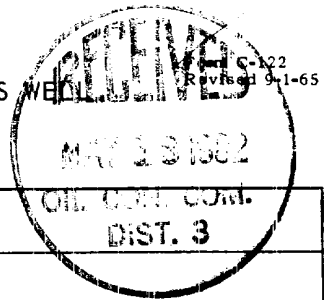


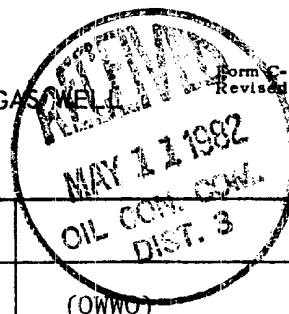
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-17-82	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 5-3-82		Total Depth 7701		Plug Back TD 7636		Elevation
Csg. Size 7.000		Wt. 23	d 6.366	Set At 7701	Perforations: From 4918 To 4932	
Tbg. Size 1.660		Wt. 2.4	d 1.380	Set At 5517	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 6669	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
L		H	Gg .670	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI						
1.			.750	29		61
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 F _g	Super Compress. Factor, F _{pv}
1.	12.365		41	.9990	.9463	1.004
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 _____ R	
$P_c = 648$ $P_c^2 = 419904$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{419904}{405504}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0265$	
NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		120	14400	405504		
2						
3						
4						
5						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 493$						
Absolute Open Flow 493 Mcfd @ 15.025					Angle of Slope $\ominus$ _____	
Slope, n .75						
Remarks: Gas Vented During Test 56 MCF						
Approved By Commission:		Conducted By: Glen Spencer		Calculated By: Ed Mabe		Checked By:

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

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-10-82	
Company El Paso Natural Gas Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		Unit (OWWO)
Completion Date 5-3-82		Total Depth 7701	Plug Back TD 7636		Elevation
Farm or Lease Name Rincon Unit			Well No. #130 (DK)		
Csg. Size 7.000	Wt. 23	d 6.366	Set At 7701	Perforations: From 7394 To 7616	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7584	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6669	
Producing Thru Tbg.		Reservoir Temp. °F @	Mean Annual Temp. °F		Baro. Press. - P _a 12
State New Mexico		County Rio Arriba			
L	H	Gg .670	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA							TUEING 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							642				7 Days
1.			.750	32		62	32				3 Hours
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, Fpv	Rate of Flow Q, Mcfd
1	12.365		44	.9981	.9463	1.004	516
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 _____ R

P _c 654	P _c ² 427716	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{427716}{418500}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0165$
NO	P _t ²	P _w	P _w ²
1	1936	96.0	9216
2			
3			
4			
5			

Absolute Open Flow 524 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: Gas Vented During Test - 70 MCF			
Approved By Commission:	Conducted By: Glen Spencer	Calculated By: Ed Mabe	Checked By: