

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

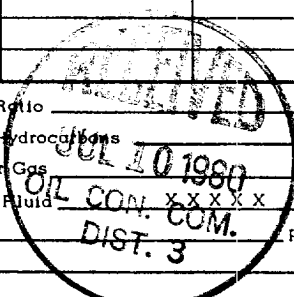
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-7-80						
Company El Paso Natural Gas Company					Connection						
Pool Blanco					Formation Mesa Verde			Unit San Juan			
Completion Date			Total Depth 8549		Plug Back TD 8542		Elevation 7729		Farm or Lease Name S.J. 27-4 Unit		
Csg. Size 7.00	Wt. 23	d 6.366	Set At 6877	Perforations: From 5788 To 6638			Well No. #132 (MD)				
Tbg. Size 1 1/2	Wt. 2.9	d 1.610	Set At 6620	Perforations: From To			Unit B	Sec. 27	Twp. 27	Rge. 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 6713			County Rio Arriba			
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L	H	Gg .670	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flg.			

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							1150		1155		12 Days
1.	4" X 2.750					45	1044		220		3 Hr.
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	41.10	55.58	111	1.015	1.220	1.000	2829
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 1167	P _c ² 1361889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.5192$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.6009$
NO	P _t ²	P _w	P _w ²
1		1056	1115136
2			246753
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10187$

Absolute Open Flow	10,187	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Gas Vented During Test - 367 MCF Produced 5.52 BBL Oil & 6.21 BBL Water During Test

Approved By Commission:	Conducted By: Roger Hardy	Calculated By: L.E. Mabe, Jr.	Checked By:
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