

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

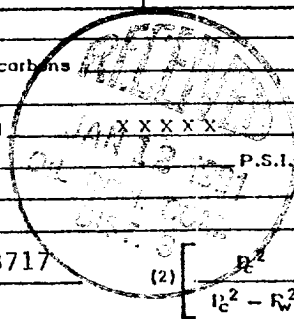
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-22-80	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-1-80		Total Depth 6260		Plug Back TD 6219		Elevation 5582	
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 6260	
Perf. Size 2.375		Wt. 4.7		d 1.995		Set At 6155	
Perforations: From 6044 To 6154				Well No. 151E			
Perforations: From open To ended				Unit Sec. Twp. Rge. D 21 29N 12W		Farm or Lease Name Gallegos Canyon Unit	
Type Well - Single - Broadhead - G.G. or G.O. Multiple single						Packor Set At none	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a	
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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	11 days						962		962		3 hrs.
1.	2.375		.750				119		495		
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		131	1.000	.9258	1.015	1522
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
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 974	P _c ² 948676	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3717$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2675$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	507	257049	691627
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1929$

Absolute Open Flow	1929	Mcft @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	------	---------------	------------------	--------------

Remarks: Light mist of H₂O.

Approved by Commission	Conducted by JJB	Calculated by J. J. Barnett	Checked by
------------------------	---------------------	--------------------------------	------------