

OIL CONSERVATION DIVISION

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-26-85				
Company El Paso Natural Gas				Connection					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 6-26-85		Total Depth 5613		Plug Back TD 5596		Elevation 6319 GR		Farm or Lease Name Roelofs A	
Coq. Size 7.000	Wt. 23	d 6.456	Set At 3361	Perforations: From 3033 To 3097		Well No. #1A			
Tbg. Size 1.610	Wt. 2.4	d 1.380	Set At 3070	Perforations: From To		Unit Sec. Twp. Rge. C 10 29 08			
Type Well - Single - Blindhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3186		County San Juan		
Producing Thr. Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .670	% 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							572		572		7 Days
1.			.750	28		60	28		134		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1	12.365		40	1.000	.9463	1.004	470
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf, Jbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XX DIST. 3
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	584	146	341056	21316	319740
2.					
3.					
4.					
5.					

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{341056}{319740}$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 497$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0564$$

Absolute Open Flow	497	Mcf/d @ 15.025	Angle of Slope @	Slope, n = .85
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Remarks: 4.500' Liner 3205' - 5613'. Blew dry gas throughout test.
Gas vented during test = 77 MCF.

Approved by Division	Conducted by Sonv Paul	Calculated by Ed Mahe	Checked by kld
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