

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-6-85				SEP 10 1985			
Company El Paso Natural Gas				Connection							
Pool Blanco				Formation Mesa Verde				Unit DIST. 3			
Completion Date 9-6-85		Total Depth 5715		Plug Back TD 5699		Elevation 6366 GR		Farm or Lease Name S.J. 27-5 Unit			
Coq. Size 7.000	Wt. 20	d 6.456	Set At 5715	Perforations: From *4712 To 5610				Well No. #34A			
Req. Size 2.375	Wt. 4.7	d 1.995	Set At 5588	Perforations: From To				Unit E	Sec. 30	Twp. 27	Rge. 5
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None				County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico			
L	H	Gg .690	% 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							535		820		7 Days
1.			.750	165		47	165		547		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, Fpv	Rate of Flow Q, Mcfd
1	12.365		177	1.0127	.9325	1.022	2112
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 _____ Deg.	
2					Specific Gravity Separator Gas _____	XXXXXX
3					Specific Gravity Flowing Fluid _____	XXXXXX
4					Critical Pressure _____ P.S.I.A.	P.S.I.A.
5					Critical Temperature _____ R	R

P _c 832	P _w 692224	
NO. 1	P _w 559	P _c ² - P _w ² 379743
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{692224}{379743}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3313$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5688$$

Absolute Open Flow	3313	Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks: *4.500 liner from 3267 to 5715.
Made light mist during test. Gas vented during test = 218 MCF.

Approved by Commission:	Conducted By: E. Minert	Calculated By: Cliff Brock	Checked By: kld
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