

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	
Company El Paso Natural Gas Co.		Connection OIL CON. DIV.	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-6-85		Total Depth 5430	Plug Back TD 5416
Elevation 6156 GR		Farm or Lease Name Riddle B	
Coq. Size 7.000	Wt. 20	Set At 6.456	Set At 5430
Perforations: From 54254 To 5393		Well No. #1-R	
Req. Size 2.375	Wt. 4.7	Set At 1.995	Set At 5367
Perforations: From To		Unit Sec. Twp. Rge. G 27 30 10	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tbg.	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L	H	G _g .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							801		904		7 Days
1.			.750	244		76	244		776		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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		256	.9850	.9325	1.028	2989
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 _____ 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. 916	P _c 839056
NO. 1	P _r 788 P _w 620944 P _c 839056 P _c ² - P _w ² 218112
2	
3	
4	
5	

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{839056}{218112}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8210$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.7468$$

Absolute Open Flow	8210	Mcf/d @ 15.025	Angle of Slope →	Slope, n .75
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Remarks: *4.500 Liner from 2919 to 5430.
Made heavy mist during test. Gas vented during test 403 MCF.

Approved by Commission:	Conducted By: Bob Easterling	Calculated By: Cliff Brock	Checked By: kld
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