

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 03 1985
CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-29-85	
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Mesa Verde			
Completion Date 8-29-85		Total Depth 5230		Plug Back TD 5150		Elevation 5916 GR	
Form or Lease Name Newberry				Well No. #9A			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5160	Perforations: From 4587 To 5086			
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 5075	Perforations: From To		Unit C	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan	
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			.750				492		804		7 Days
1.				260		82	260		492		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, F _{pv}	Rate of Flow Q, Mcf/d
1	12.365		272	.9795	.9325	1.027	3154
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 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 _r 816	P _w 665856					
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{665856}{411840}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1338$
1		504	254016	411840		
2.						
3.						
4.						
5.						

Absolute Open Flow 4522 Mcf/d @ 15.025		Angle of Slope @ _____		Slope, n .75	
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Remarks: Blew water oil mist during test. Gas vented during test = 429 MCF.			
Approved by Commission:	Conducted By: Bob Haire	Calculated By: Cliff Brock	Checked By: kld