

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 6-13-85	
Company El Paso Natural Gas						Connection	
Pool Blanco				Formation Picture Cliffs		Unit	
Completion Date 6-13-85		Total Depth 5209		Plug Back TD 2850		Elevation 5871 GL	
Farm or Lease Name Shaw		Well No. #1A					
Csg. Size 7.000	Wt. 23.0	d 6.366	Set At 2916	Perforations: From *2651 To 2717			
Tbg. Size 1.610	Wt. 2.4	d 1.380	Set At 2692	Perforations: From To		Unit D 13 30 09	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 2729		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12	
State New Mexico							
L	H	G _g .680	% 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							756		756		7 Days
1.			.750	28		64	28		181		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		40	.9962	.9393	1.004	465
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 _c 768	P _c ² 589824	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{589824}{552575}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0570}{1.0570}$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		193	37249	
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 492$

Absolute Open Flow 492 Mcfd @ 15.025	Angle of Slope θ
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Remarks: *4.500" Liner - 2756' - 5209'
 Produced a mist of water after 2 hrs. Gas vented during test = 65 MCF.

Approved By Commission:	Conducted By: Bob Easterling	Calculated By: Ed Mabe	Checked By: kld
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RECEIVED
 JUN 17 1985
 OIL CON. DIV.
 DIST. 3