

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 5-15-79			
Company Ralph Abbott				Connection El Paso Natural Gas Company					
Pool West Kutz				Formation Pictured Cliffs				Unit	
Completion Date 5-8-69		Total Depth 1826		Plug Back TD 1804		Elevation 5896' GL		Farm or Lease Name Federal	
Csg. Size 2.875	Wt. 6.4#	d 2.441	Set At 1814	Perforations: From 1641 To 1655				Well No. 3-11	
Thg. Size	Wt.	d	Set At	Perforations: From To				Unit I	Sec. 11
								Twp. 28	Rge. 13
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 1641	H	G _g 0.650	% CO ₂ 0	% N ₂ 0	% H ₂ S 0	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									191		
1.	2"		0.750			63			34		3 Hours
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 _{pv}	Rate of Flow Q, Mcfd
1	12 565		46	0.971	0.9608	1.004	5.7
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Flow, Mcf/bbl. A.P.I. Gravity, °API Specific Gravity Separator Gas Specific Gravity Flowing Fluid Critical Pressure P.S.I.A. Critical Temperature °R
1.					
2.					
3.					
4.					
5.					

P _c 203	P _c ² 41209	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0732$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0618$
NO. 1	P _w 53	P _w ² 2809	
2.			
3.			
4.			
5.			

Absolute Open Flow 581		Mcf @ 15.025	Angle of Slope	Slope, n 0.85
Remarks:				
Approved By Commission		Conducted By: Ralph Abbott	Calculated By: H. E. McAnally	Checked By: