

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE June 26, 1957

Operator El Paso Natural Gas Company		Lease Storey No. 6-C	
Location 1103'N, 990'E, Sec. 22-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 2623	Tubing: Diameter 2	Set At: Feet 4674
Pay Zone: From 4462	To 4828	Total Depth: 4930 - c/o 4850. Packer at 2614	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365		5 1/2" liner - 2555 to 4928	
Shut-In Pressure, Casing, P.C. 735	PSIG	- 12 = PSIA	Days Shut-In 14	Shut-In Pressure, Tubing M.V. 1037	PSIG - 12 = PSIA 1049
Flowing Pressure: P 264	PSIG	- 12 = PSIA 276	Working Pressure: Pw Calculated	PSIG - 12 = PSIA 517	
Temperature: T 74	F	n .75	Fpv (From Tables) 1.027	Gravity .670	

Final SIPC (Pictured Cliffs) - 738 psigCHOKE VOLUME = $Q \cdot C \cdot P_c \cdot F_p \cdot F_g \cdot F_{pv}$

$$Q = 12.365 \times 276 \times .9868 \times .9463 \times 1.027 = 3273 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,100,401}{833,112} \right)^n \cdot 1,3208^{.75} \times 3273 = 1.2323 \times 3273$$

$$A_{of} = 4033 \text{ MCF/D}$$

Well blew heavy mist of distillate during entire test.TESTED BY R. A. UllrichWITNESSED BY Fred Cook, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr. (6)



L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		<u>3</u>
DISTRIBUTION		
	By	
	Signature	
Operator		
Secretary	<u>1</u>	
Production Officer		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒