

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 15, 1966

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Section 3, T10N29E</u>	
Location <u>1/4 Sec 3, T10N29E, R10E</u>		County <u>Garfield</u>	State <u>Utah</u>
Formation <u>Permian</u>		Pool <u>Permian</u>	
Casing: Diameter <u>2 1/2"</u>	Set At: Feet <u>571</u>	Tubing: Diameter <u>2 1/8"</u>	Set At: Feet <u>571</u>
Pay Zone: From <u>2 1/2"</u>	To <u>2 1/2"</u>	Total Depth: <u>571</u>	Shut In <u>1 - 1/2"</u>
Stimulation Method <u>Acid Fracturing</u>		Flow Through Casing	Flow Through Tubing

Choke Size, Inches <u>1 1/2"</u>		Choke Constant: C <u>1.2</u>	
Shut-In Pressure, Casing, PSIG <u>717</u>	12 = PSIA <u>717</u>	Days Shut-In <u>0</u>	Shut-In Pressure, Tubing PSIG <u>717</u>
Flowing Pressure: P PSIG <u>717</u>	12 = PSIA <u>717</u>	Working Pressure: P _w PSIG <u>717</u>	12 = PSIA <u>717</u>
Temperature: T = <u>77</u> °F	F _t = <u>0.40</u>	n = <u>.75</u>	Fpv (From Tables) <u>1.035</u>
			Gravity <u>.700</u> Fg = <u>.995</u>

CHOKE VOLUME - $Q = C \times P_i \times F_t \times F_g \times F_{pv}$

$Q = (1.2) (717) (.40) (.995) (1.035) = 3700 \text{ MCF/D}$

OPEN FLOW = $Aof = Q \left(\frac{P_c^2}{P_w^2} \right)^n$

$Aof = \left(\frac{716,495}{230,407} \right)^{.75} = (3.1120)^{.75} (3700) = (2.5225) (3700)$

$Aof = 221 \text{ MCF/D}$

NOTE: Well dead 4 minutes after opening, then unloaded heavy black oil. Continuous spray of distillate next 10 minutes. Light foamy distillate and a part of back.

TESTED BY John A. Taylor

WITNESSED BY Harold R. Wagner

Checked off William A. DeGally

RECEIVED

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OIL CON. COM.

W. A. Hendrick

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