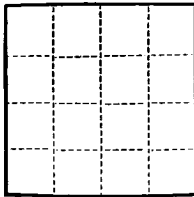


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Santa Fe**  
Lease No. **081114**  
Unit **San Juan 29-5 Unit**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<b>Water Frac.</b> <b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 18, 1960

Well No. **47-4** is located **1735** ft. from **XXX** line and **950** ft. from **EW** line of sec. **4**  
**SW/4 Sec. 4** **29 N** **5 W** **N.M.P.M.**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Blanco** **Rio Arriba** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6453** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

8-17-60 Total Depth 5766. C.O.T.D. 5718. Water fractured Mesa Verde perforated intervals 5300-5306; 5312-5320; 5326-5330; 5532-5548; 5622-5628; 5646-5654; 5666-5676; 5682-5688 with 20,500 gallons water and 17,000 # sand. Breakdown pr. 4000 #, max. pr. 6300 #, avg. tr. pr. 3900-4100-3800-4000 #. Injection rate 15.3 B.P.M. Flush none gallons. Stopped off after 2000 # of 4 stage. Dropped 3 sets of 15 balls for 4 stages. Spotted 330 gal MCA before perforating.



I understand that this plan of work must receive approval in writing by the Geological Survey before operation is commenced.

Company **El Paso Natural Gas Company**  
Address **Box 990**  
**Farmington, New Mexico**

Original Signed **D. W. Meehan**  
By \_\_\_\_\_  
Title **Petroleum Engineer**

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 10, 1960

Operator <b>El Paso Natural Gas Company</b>		Lease <b>San Juan 29-5 No. 47-4</b>	
Location <b>1735'S, 950'W, 4-29-N-5W</b>		County <b>Rio Arriba</b>	
Field <b>Mesa Verde</b>		State <b>New Mexico</b>	
Well Diameter <b>2-1/2"</b>	Perforations <b>5766</b>	Tubing Diameter <b>No Tubing</b>	Serial Number <b>---</b>
Perforation Depth <b>5300</b>	Perforation Length <b>5688</b>	Test Depth <b>5772 C/O 5720</b>	Test Date <b>8-24-60</b>
Perforation Material <b>Sand/Water Frac.</b>		Flow Through Tubing <b>X</b>	

Perforation Depth <b>.750</b>	Perforation Length <b>12.365</b>	Test Depth <b>"Slim Hole"</b>	Test Date <b>---</b>
Perforation Diameter <b>1128</b>	Perforation Length <b>1140</b>	Test Depth <b>47</b>	Test Date <b>---</b>
Perforation Diameter <b>141</b>	Perforation Length <b>153</b>	Test Depth <b>(Calc.)</b>	Test Date <b>214</b>
Perforation Diameter <b>79</b>	Perforation Length <b>.9822 .75</b>	Test Depth <b>1.012</b>	Test Date <b>.617 .9877</b>

WELL VOLUME =  $Q \times L \times F \times T \times F_{av}$

$$= (12.365)(153)(.9822)(.9877)(1.012)$$

1857

MCF/D

$$OPEN FLOW AREA = \left( \frac{Q}{F_{av}} \right)^n$$

$$= \left( \frac{1299600}{1253804} \right)^n$$

$$(1.0365)^{.75}(1857) = (1.0272)(1857)$$

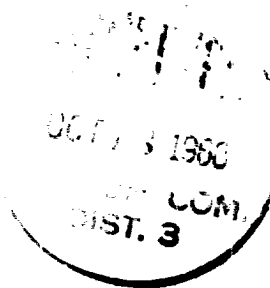
Area = 1908

MCF/D

Ronald Headrick

Calculated By  
~~XXXXXXXXXX~~

W. D. Dawson



*Lewis D. Galloway*  
Lewis D. Galloway