

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Santa Fe
Lease No. 070500-A
Unit San Juan 24-7 Unit
14-00-001-459

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
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.....	<u>1957</u>
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.....		

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

January 26, 1957

Well No. 68 (FM) is located 990 ft. from N line and 1650 ft. from E line of sec. 31
NE section 31 28N 7W RM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bianco Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5983 ft.

DETAILS OF WORK

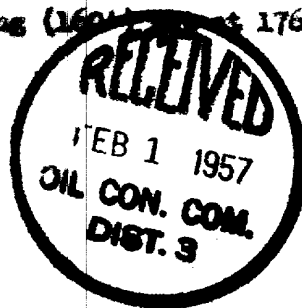
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud date 1-19-57.

On 1-20-57. Total Depth 178'.

Run 4 joints 10 1/4", 32.75#, Armo spiral weld casing (160') at 176'
with 150 sacks regular cement circulated to surface.

Held 500 30 minutes.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 997

Farmington, New Mexico

By W. F. Conner

Title Petroleum Engineer

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE April 11, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit # 68	
Location 990'N, 1650'E, Sec. 31-28-7		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5½	Set At: Feet 4868	Tubing Diameter 2	Set At: Feet 4781
Pay Zone: From 4659	To 4821	Total Depth 4872 - c/o - 4835	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.3650		
Shut-in Pressure, Casing 912	PSIG - 12 - PSIA 924	Days Shut-In 9	Shut-in Pressure, Tubing 910
Flowing Pressure, P 65	PSIG - 12 - PSIA 77		PSIG - 12 - PSIA 181
Temperature, T 67			Gravity .681
			Flow From Tables 1.009

$$\text{CHOKE VOLUME } Q = C \times P_r \times F_p \times F_g \times F_{pv}$$

$$C = 12.365 \times 77 \times .9933 \times .9393 \times 1.009$$

896

MCF/D

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

$$Aof = \left(\frac{853,776}{821,015} \right)^n (1.0399)^{.75} \times 896 = 1.0298 \times 896$$

Recompleted in Mesa Verde only - was a dual completion.

Aof 923 MCF/D

TESTED BY **K. C. McBride and R. A. Ullrich**

WITNESSED BY

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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