



COPY TO O.C.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 965
Farmington, New Mexico

July 10, 1956

El Paso Natural Gas Company
Box 997
Farmington, New Mexico

Re: New Mexico 05493
14-08-001-1051

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated July 6, 1956 covering your well No. 55 San Juan 28-6 Unit in SW $\frac{1}{4}$ sec. 9, T. 28 N., R. 6 W., N. M. P. M., Rio Arriba County, New Mexico, Blanco pool.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent to you on request, and subject to the following conditions:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.

Very truly yours,

(Orig. Sgd.) P. T. McGrath

P. T. McGrath
District Engineer

PTMcGrath:ae



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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TO THE
DIRECTOR
WASHINGTON

FROM
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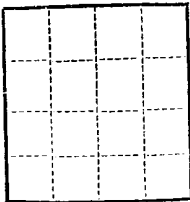
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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **New Mexico**
Lease No. **05493**
Unit **San Juan 23-6 Unit**
1A-03-001-1051

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	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.....		

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

July 6, 1956

Well No. **55** is located **850** ft. from **IN** line and **850** ft. from **EW** line of sec. **9**

S4 Section **9** **26N** **6W** **106PM**
(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 **6792** 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)

It is intended to drill a well with rotary tools thru the Mesa Verde formation. Mud circulation will be used thru the Pictured Cliffs and set intermediate casing. Gas circulation will be used thru the Mesa Verde and production casing will be set. Possible productive intervals will be perforated and fractured. Estimated Total Depth 5890'.

Casing Program:

10 3/4" at 160' with 125 sacks cement circulated to the surface
7 5/8" at 3760' with 250 sacks cement.
5 1/2" at 5890' with 150 sacks cement.

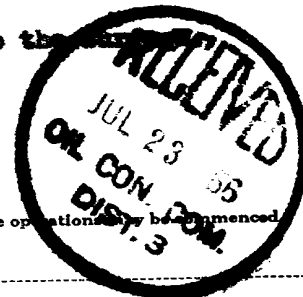
All of Section 9 is dedicated to this well.
SF 080505-A (Lot 1,2,3,4), NW 05493 (2/2).

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 *J. W. Boyd*
Title **Petroleum Engineer**



EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE August 27, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 55	
Location 850'S, 850'W, Sec. 9-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5 1/2	Set At: Feet 5999	Tubing Diameter 2 3/8"	Set At: Feet 5929
Key Zone: Feet 5414	To 5942	Total Depth: 5995 - c/o - 5970	
Shut-in Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Casing Size, inches .750	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG 1045	PSIA 1057	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 1041
Flowing Pressure: P _f , PSIG 435	PSIA 447		Working Pressure: P _w , PSIG 977
Temperature: T 75		Flow From Tables 1.046	Gravity .682

CHOKE VOLUME: $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = 14.1605 \times 447 \times .9859 \times .9393 \times 1.046 = 6131 \text{ MCF/D}$$

$$Q = \left(\frac{P_1^2 - P_2^2}{P_1^2} \right)^n$$

$$Q = \left(\frac{1,117,249}{139,128} \right)^n \quad (8.0303) \cdot 75 \times 6131 = 4.77 \times 6131$$

$$Q = 29,245 \text{ MCF/D}$$

K. C. McBride



L. D. Galloway
L. D. Galloway

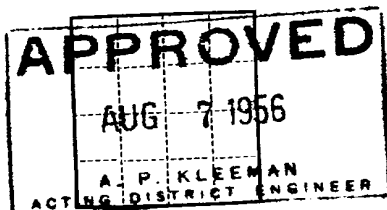
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **New Mexico**
Lease No. **05493**
Unit **San Juan 25-C Unit**
14-00-001-1051

SUNDRY NOTICES AND REPORTS ON WELLS

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

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Section 9 **28N** **6W** **10PM**
 (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 **6792** 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)

On 8-1-56 Total Depth 3750'.
 ran 121 joints 7 5/8", J-55, 26.4#, casing (3746') set at 3750' with
 100 sacks regular cement, 100 sacks Fomix, 50# Flocele and 50# Cel,
 followed with 50 sacks Best cement.
 Held 1000# 30 minutes.
 Top of cement by temperature survey at 3540'.



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 **D. L. Ellsworth**
Petroleum Engineer
 Title

APPROVED

DATE

2001

10/10/01

