Form 9-331a
(Feb. 1951)

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

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 080516-C
Unit San Juan 28-5 Unit
14-08-001-949

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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)

June 14, 1957

Well No. 2 is located 1650 ft. from {N/S} line and 1600 ft. from {E/W} line of sec. 13

SW Sec. 13 (¼ Sec. and Sec. No.) | 28N (Twp.) | 5W (Range) | N.M.P.M. (Meridian)

Blanco (Field) | Rio Arriba (County or Subdivision) | New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 6235 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 7062'.
Casing Program:
10-3/4" at 170' with 150 sacks cement circulated to the surface.
7-5/8" at 4500' with 250 sacks cement.
5-1/2" at 7062' with 300 sacks cement.
The S/2 of Section 13 is dedicated to this well.
SF 080516 (S/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 [signature]

Title Petroleum Engineer

U.S. GOVERNMENT PRINTING OFFICE : 1956—O-393560

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-128
Rev. 5/1/57

Well Location and Acreage Dedication Plat

Section A.

Date JUNE 7, 1957

Operator EL PASO NATURAL GAS COMPANY Lease SAN JUAN 28-5 UNIT SF 080516-B

Well No. 25 Unit Letter J Section 13 Township 28 N Range 5 W NMPM

Located 1650 Feet From SOUTH Line, 1600 Feet From WEST Line

County RIO ARRIBA G. L. Elevation 7538 Dedicated Acreage 343.45 Acres

Name of Producing Formation MESA VERDE Pool BLANCO

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
   Yes X No ____.
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ____ No ____. If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below

Owner	Land Description

Section B

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief

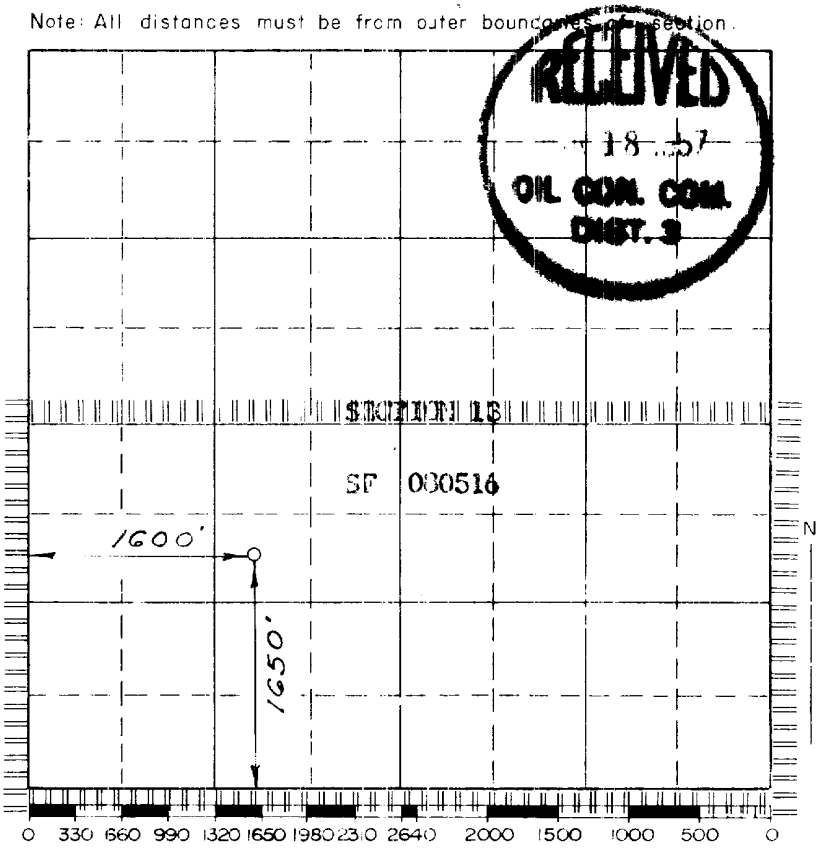
El Paso Natural Gas Co.
(Operator)

D C Johnston
(Representative)

Box 997
Address

Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed MARCH 20, 1957

(Seal)

Farmington, New Mexico

Registered Professional Engineer and/or Land Surveyor

Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline ~~El Paso Natural Gas~~ Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-5 Unit Well No. 25

Unit K Sec. 13 Twp. 28 Rge. 5 Pay Zone: From 6486 To 6771

Casing: OD 7-5/8 WT. 26.40 Set At 4617 Tubing: OD 2 WT. 4.7 T. Perf. 6730

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .670 Estimated ____

Date of Flow Test: From 1/31/58 To ~~2/8/58~~ * Date S.I.P. Measured 9-17-57

Meter Run Size ____ Orifice Size ____ Type Chart ____ Type Taps ____

OBSERVED DATA

Flowing casing pressure (Dwt)	____ psig + 12 =	____ psia	(a)
Flowing tubing pressure (Dwt)	____ psig + 12 =	____ psia	(b)
Flowing meter pressure (Dwt)	____ psig + 12 =	____ psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken):			
Normal chart reading	____ psig + 12 =	____ psia	(d)
Square root chart reading (____)^2 x spring constant	=	____ psia	(d)
Meter error (c) - (d) or (d) - (c)	± =	____ psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	____ psi	(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading	____ psig + 12 =	____ psia	(g)
Square root chart average reading (7.95)^2 x sp. const. 10	=	632 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	632 psia	(h)
P_t = (h) + (f)	=	632 psia	(i)
Wellhead casing shut-in pressure (Dwt) 1024	psig + 12 =	1036 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1029	psig + 12 =	1041 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1041 psia	(l)
Flowing Temp. (Meter Run) 54 °F + 460	=	514 °Abs	(m)
P_d = ½ P_c = ½ (l)	=	521 psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\_\_\_\_}{\_\_\_\_} = \frac{\_\_\_\_}{\_\_\_\_} \right)^{*} = 491 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{812240}{678291} \right]^{n} \frac{(1.1974)^{.75}}{(1.1448)} = 562 \text{ MCF/da.}$$

SUMMARY

P_c =	1041	psia
Q =	491	Mcf/day
P_w =	637	psia
P_d =	521	psia
D =	562	Mcf/day

Company El Paso Natural Gas
By Original Signed Lewis D. Galloway
Title
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4509	.280	21.307	5.966	399424	405390	637

D at $500 = 563

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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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