Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078987
Unit Canyon Largo Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
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			

AUG 15 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

August 13, 1958

Well No. 18 is located 1850 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 35

SW Sec. 35 (¼ Sec. and Sec. No.) 25N (Twp.) 7W (Range) N.M.P.M. (Meridian)

So. Blanco P.C. Ext. (Field) Rio Arriba (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 6905 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)

8-1-58. Total Depth 2620'.
Ran 63 joints 5 1/2", 15.50#, J-55 casing (2609') set at 2619' with 50 sacks regular cement, 50 sacks Pozmix, 2% gel, followed by 50 sacks regular cement.

Held 1000# for 30 minutes.

Top of cement by temperature survey at 1500'.

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DIST. 3

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

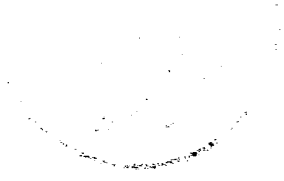
Address Box 997

Farmington, New Mexico

By Original Signed D. C. Johnston

Title Petroleum Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5



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)

72-315-01

Pool South Blanco P.C. ext. Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Canyon Largo Unit Well No. 18

Unit L, Sec. 35 Twp. 25N Rge. 7W Pay Zone: From 2516 To 2583

Casing: OD 5.5 WT. 15.5 Set At 2619 Tubing: OD 1.25 WT. 2.4 T. Perf. 2531

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .696 Estimated ____

Date of Flow Test: From 12/7/58 To 12/15/58 * Date S.I.P. Measured 10/21/58 (63 days)

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 (7.90) ^{2} x sp. const. 500	=	245	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	245	psia	(h)
P_t = (h) + (f)	=	245	psia	(i)
Wellhead casing shut-in pressure (Dwt) 666	psig + 12 =	678	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 666	psig + 12 =	678	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	678	psia	(l)
Flowing Temp. (Meter Run) 62 °F + 460	=	522	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	339	psia	(n)

FLOW RATE CALCULATION

$Q =$ ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ 1199 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1199 \left[\frac{344763}{295094} \right]^{\frac{1.1683}{1.1413}} = 1368 \text{ MCF/da.}$$

SUMMARY

P_c =	678	psia
Q =	1199	Mcf/day
P_w =	409	psia
P_d =	339	psia
D =	1368	Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1762	.120	871.371	104,565	60,025	164,590	405

D at 250 = 1177

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DIST. 3

OK