

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO



March 28, 1958

El Paso Natural Gas Company
Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Administrative Order MWU-265

Gentlemen:

Reference is made to your application for approval of a 347.60-acre non-standard gas proration unit in the Blanco Mesaverde Gas Pool consisting of the following acreage:

Township 32 North, Range 10 West, NMPM
Section 11: all (fractional)

It is understood that this is to be dedicated to your San Juan 32-9 Unit Well No. 55, located 1498 feet from the south line and 1800 feet from the west line of said Section 11.

By authority granted me under the provisions of Rule 1 (b), Section 15 of the Special Rules and Regulations for the Blanco Mesaverde Gas Pool, as set forth in Order R-128-D, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 347.60 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/DEP/og

cc: Oil Conservation Commission, Aztec
Oil & Gas Engineering Committee, Hobbs

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OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO



March 28, 1938

El Paso Natural Gas Company
Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Administrative Order 240-245

Gentlemen:

Reference is made to your application for approval of a 347.60-acre non-standard gas production unit in the Blanco Mesaverte Gas Pool consisting of the following acreage:

Township 32 North, Range 10 West, N48W
Section 11, all (fractional)

It is understood that this is to be dedicated to your San Juan 32-9 Unit Well No. 25, located 1498 feet from the south line and 1800 feet from the west line of said Section 11.

By authority granted me under the provisions of Rule 1 (b), Section 15 of the Special Rules and Regulations for the Blanco Mesaverte Gas Pool, as set forth in Order R-1234-D, you are hereby authorized to operate the above described acreage as a non-standard gas production unit, with allowance to be assigned thereto in accordance with the pool rules, based upon the unit size of 347.60 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/EP/oc
cc: Oil Conservation Commission, Alamo
Oil & Gas Engineering Committee, Hobbs

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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 Mesa Verde Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 32-9 Unit Well No. 55
Unit 8 K Sec. 11 Twp. 32 Rge. 10 Pay Zone: From 5284 To 5856
Casing: OD 5-1/2 WT. 15.5 Set At 5893 Tubing: OD 2 WT. 4.7 T. Perf. 5801
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .601 Estimated _____
Date of Flow Test: From 1/8/58 To 1/16/58 * Date S.I.P. Measured 10/1/57 (8 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 (7.00) ² x sp. const. 10 _____ = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 988 psig + 12 = 1000 psia (j)
Wellhead tubing shut-in pressure (Dwt) 869 psig + 12 = 881 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 881 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 441 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{428} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 428 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{581,680}{532,434} \right]^n \frac{1.0924}{1.0685} = \text{457} \text{ MCF/da.}$

SUMMARY

P_c = 881 psia Company El Paso Natural Gas
Q = 428 Mcf/day By Original Signed
P_w = 494 psia Title _____
P_d = 441 psia Witnessed by Lewis D. Galloway
D = 457 Mcf/day Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3486	.224	16.193	3,627	240,100	243,727	494

D at 500 = 415

OK



