

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS BOLACK NO. 13-C, LOCATED 960 FEET FROM THE SOUTH LINE AND 800 FEET FROM THE WEST LINE OF SECTION 29, TOWNSHIP 27 NORTH, RANGE 8 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO, IN SUCH A MANNER AS TO PERMIT THE PRODUCTION OF GAS FROM THE SOUTH BLANCO PICTURED CLIFFS POOL AND THE PRODUCTION OF GAS FROM THE BLANCO MESAVERDE POOL.

ORDER NO. DC-598



ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) El Paso Natural Gas Company, made application to the New Mexico Oil Conservation Commission on August 4, 1958, for permission to dually complete its Bolack No. 13-C located 960 feet from the South line and 800 feet from the West line of Section 29, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from the South Blanco Pictured Cliffs Pool and the production of gas from the Blanco Mesaverde Pool.

Now, on this 20th day of August, 1958, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Sub-section 'c' of Rule 112-A of the Commission's Rules and Regulations.
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, El Paso Natural Gas Company, be and the same is hereby authorized to dually complete its Bolack No. 13-C, located 960 feet from the South line and 800 feet from the West line of Section 29, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from the South Blanco Pictured Cliffs Pool and the production of gas from the Blanco Mesaverde Pool, through the casing-tubing annulus and the tubing respectively.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A, as amended by Order R-1214.

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Blanco Mesaverde Pool, commencing in the year 1959, and whenever the packer is disturbed, but not excluding any other tests and/or determinations as deemed necessary by the Commission.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights;

Order No. DC-598

upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

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

SEAL

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 South Blanco Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Bolack Well No. 13-C (P)
Unit M Sec. 29 Twp. 27 Rge. 8 Pay Zone: From 2378 To 2420
Casing: OD 7-5/8 WT. 26.4 Set At 4428 Tubing: OD 2 WT. 4.7 T. Perf. 4721
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .652 Estimated _____
Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 7/17/58
Meter Run Size _____ Orifice Size _____ Type Chrt. _____ 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 (6.95) ² x sp. const. 5 _____ = 242 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) 677 psig + 12 = 689 psia (j)
Wellhead tubing shut-in pressure (Dwt) 677 psig + 12 = 689 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 689 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 345 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} \right)^* = \underline{384}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 384 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{336}$ MCF/da.
355696 .8547
416157 .8750

SUMMARY

P_c = 689 psia Company El Paso Natural Gas
Q = 384 Mcf/day By Original Signed
P_w = 242 psia Title Harold L. Kendrick
P_d = 345 psia Witnessed by _____
D = 336 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
			Friction Negligible			

D at 250 = 376

