

well file

El Paso Natural Gas Company

El Paso, Texas

ADDRESS REPLY TO
POST OFFICE BOX 980
FARMINGTON NEW MEXICO

November 4, 1965

Mr. Emery Arnold
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Albuquerque, New Mexico

Dear Mr. Arnold:

Attached hereto are corrected copies of Initial Production Tests for four wells operated by El Paso Natural Gas Company. These corrected copies are being submitted because of an error in reporting gas volumes on each of these wells. You will note that the test represents the two sides of two dually completed wells. At the time that the previous tests were filed the Mesa Verde production was reported as Pictured Cliff and the Pictured Cliff production was reported as Mesa Verde.

The wells are:

San Juan 27-4 Unit No. 35 (MV & PC)	N 26-27-4
San Juan 27-4 Unit No. 36 (MV & PC)	K 36-27-4

Corrected volume statements will be filed from our El Paso office.

If there are any questions concerning these tests please call on us.

Yours very truly,

EL PASO NATURAL GAS COMPANY

H. L. Kendrick
H. L. Kendrick
Area Gas Well Test Engineer

HLK:slm

cc: E. C. Arnold (3)
File



Initial
Deliverability Test

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

Pool TAPACITO Formation PC County RA
Well Name SJ 27-4 UNIT #36 PC 86528
Unit K S 36 T 27 R 4 Pay Zone 4082 To 4134 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 6410 Tubing O D 1.660 I D 1.380 L 4111 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow, From 05-08-65 To 05-16-65 SIP Measured 08-06-64

Deadweight Flowing Pressure, psia Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing (J) Tubing 1073 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 511 (g) Corrected 511 (h) p_f 511 (i) Gravity .679

G. L. = 2791 1-e^{-s} = .184 F_c 24.621 (F_cQ)² 96.020

(1-e^{-s}) (F_cQ)² = R² = 17668 p_i² = 261121 p₂² = 278789

Q = $\frac{398}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 398$

D=Q $\frac{398}{\left[\frac{(P_i^2 - P_w^2)}{(P_i^2 - P_w^2)} \right]^n} = \frac{415165}{872540} = \frac{(.4758)^n}{.5319} = 212$

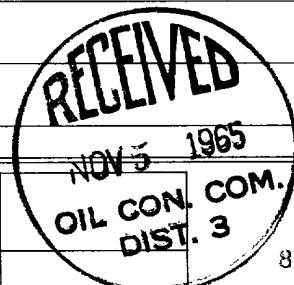
REMARKS

CORRECTED COPY

SUMMARY

P_c = 1073
Q = 398
P_w = 528
P_d = 858
D = 212

Company EL PASO NATURAL GAS CO
By H.L. Kendrick
Title AREA GAS WELL TEST ENGINEER
Witnessed By
Company



65263

2F

86528

3725

Initial
Deliverability Test

FORM C-122-A
EL PASO 9-1-64

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

Pool BLANCO Formation MV County RA
Well Name SJ 27-4 UNIT #36 MV 86527
Unit K S 36 T 27 R 4 Pay Zone 5872 To 6244 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 6410 Tubing O D 1.900 I D 1.610 L 6190 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow From 05-08-65 To 05-16-65 SIP Measured 07-30-64

Deadweight Flowing Pressure, psia Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing (j) Tubing 1043 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 511 (g) Corrected 511 (h) p_t 511 (i) Gravity .661

G. L. = 4092 1-e^{-s} = .257 F_c 16.461 (F_cQ)² 240.436

(1-e^{-s}) (F_cQ)² = R² = 61792 P_i² = 261121 P_w² = 322913

Q = $\frac{942}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{942}{1.0000}$

D=Q $\frac{942}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{392293}{764936} \right]^n = \frac{(.5128)^n}{.6060} = 571$

REMARKS

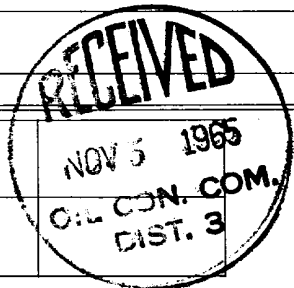
CORRECTED COPY

SUMMARY

P_c = 1043
Q = 942
P_w = 568
P_d = 834
D = 571

Company EL PASO NATURAL GAS CO
By H.L. KENDRICK
Title AREA GAS WELL TEST ENGINEER
Witnessed By
Company

65263



86527
3724