

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1-61)

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

Pool Alamosa Formation Mesa Verde County San Juan

Well Name Hessell No. 1-L 70-990

Unit H S 23 T 30 R 8 Pay Zone 4662 To 5271 Flow String Tubing

Casing O D 7 Wt 20 Set at 4630 Tubing O D 2-3/8 Wt 4.7 L 4694 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. _____ Period of test flow _____ SIP Measured _____
From 9-6-61 To 9-14-61 9-21-61

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 866 (j) Tubing 890 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 511 (g) Corrected 511 (h) P_t 511 (i) Gravity .657

G. L. = _____ $1-e^{-s}$ = .801 $(F_c Q)^2$ = 161.768

$(1-e^{-s})(F_c Q)^2 = R^2$ = 28455 P_t^2 = 261121 P_w^2 = 281576

$Q = \frac{1073}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 1073$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.2008}{1.1471} = 1.047$

Perforated tubing with 1/4" holes at following depths: 4826, 4733 and 4694.
Turned back on production 8-15-61.

SUMMARY

P_c = 866 psia
 Q = 1073 MCF/D
 P_w = 511 psia
 P_d = 433 psia
 D = 1.047 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title Mr. Gas Engineer
Witnessed By _____
Company _____

1970-1971
1972-1973

1974-1975
1976-1977

1978-1979
1980-1981
1982-1983

1984-1985
1986-1987

1988-1989
1990-1991

1992-1993
1994-1995

1996-1997
1998-1999

2000-2001
2002-2003

2004-2005
2006-2007

2008-2009
2010-2011

2012-2013
2014-2015

2016-2017
2018-2019

2020-2021
2022-2023

2024-2025
2026-2027

2028-2029
2030-2031

2032-2033
2034-2035

2036-2037
2038-2039

2040-2041
2042-2043
2044-2045
2046-2047
2048-2049

2050-2051
2052-2053
2054-2055
2056-2057

2058-2059
2060-2061
2062-2063
2064-2065