

Initial  
Deliverability Test

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

Pool ELANCO Formation MV County SJ  
Well Name HARDIE E #3 73355  
Unit E S 23 T 28 R 8 Pay Zone 4460 To 5130 Flow String TUBING  
Casing O D 4.500 I D 4.052 Set at 5155 Tubing O D 1.660 I D 1.380 L 5099 Top Perf.  
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P<sub>c</sub> 80 Comm. Designated P<sub>c</sub>, psia \_\_\_\_\_ Period Of Test Flow From 04-28-67 To 05-06-67 SIP Measured 11-02-66

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

Deadweight Shut-In Pressures, psia  
Casing 626 (j) Tubing 616 (k) Meter Error 0008 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia  
Chart 504 (g) Corrected 504 (h) P<sub>t</sub> 504 (i) Gravity .678

G. L. = 3457 1-e<sup>-s</sup> = .222 F<sub>c</sub> 24.621 (F<sub>c</sub>Q)<sup>2</sup> 50.623

(1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 11238 P<sub>1</sub><sup>2</sup> = 254016 P<sub>2</sub><sup>2</sup> = 265254

$$Q = \frac{289}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{289}{1.0000} = 289$$

$$D=Q \frac{289}{1.0832} \times \left[ \frac{(P_2^2 - P_3^2)}{(P_1^2 - P_2^2)} \right]^n = \frac{140875}{126622} = \frac{(1.1125)^n}{1.0832} = 313$$

REMARKS

UNABLE TO OBTAIN 25% DRAWDOWN.

Installed Intermittent 4-13-67.

*OK*



SUMMARY

P<sub>c</sub> = 626  
Q = 289  
P<sub>w</sub> = 515  
P<sub>d</sub> = 501  
D = 313

Company EL PASO NATURAL GAS CO  
By H. L. Kendrick, P.E.  
Title AREA GAS WELL TEST ENGINEER  
Witnessed By \_\_\_\_\_  
Company \_\_\_\_\_

67149


73355  
1864



RECEIVED JUN 8 1957 OIL CO. OF CALIF. DIST. 3