

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 Blanco Mesa Verde Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Indiatic Well No. 14-M
Unit H Sec. 6 Typ. RPM Rge. 18W Pay Zone: From 4534 To 4672
Casing: OD 7 WT. 20 Set At 4259 Tubing: OD 2 WT. 4.7 T. Perf. 4643
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 2/20/57 To 2/28/57 * Date S.I.P. Measured 11/20/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Rt. Type Taps Flange

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 (6.65)² x sp. const. 10 = 442 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 442 psia (h)
P_t = (h) + (f) _____ = 442 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1037 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \underline{334}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 334 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{806,008}{877,944} \cdot \frac{.9180}{.9379} = \underline{313}$ MCF/da.

SUMMARY

P_c = 1037 psia
Q = 334 Mcf/day
P_w = 444 psia
P_d = 519 psia
D = 313 Mcf/day
Company El Paso Natural Gas Company
By Richard A. Ullrich
Title _____
Witnessed by _____
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 R ²	(1-e ^{-S})	P _c (Column)	P _w
3227	0.209	9.860	2061	197.36	1037	444



D @ 500 = 315

OK

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

FOR USE BY OPERATOR AND FIELD ENGINEER IN ALL DISTRICTS
EXCEPT WHERE SHOWN OTHERWISE

WELL NO. _____ NAME _____ LOCATION _____

DATE OF TEST _____

1. Name of Operator _____

2. Name of Field Engineer _____

3. Name of Well _____

4. Name of Lease _____

5. Name of Section _____

6. Name of Township _____

7. Name of Range _____

8. Name of County _____

9. Name of State _____

10. Name of District _____

11. Name of Well _____

12. Name of Lease _____

13. Name of Section _____

14. Name of Township _____

15. Name of Range _____

16. Name of County _____

17. Name of State _____

18. Name of District _____

19. Name of Well _____

20. Name of Lease _____

21. Name of Section _____

22. Name of Township _____

23. Name of Range _____

24. Name of County _____

25. Name of State _____

26. Name of District _____

27. Name of Well _____

28. Name of Lease _____

29. Name of Section _____

30. Name of Township _____

31. Name of Range _____

32. Name of County _____

33. Name of State _____

34. Name of District _____

35. Name of Well _____

36. Name of Lease _____

37. Name of Section _____

38. Name of Township _____

39. Name of Range _____

40. Name of County _____

41. Name of State _____

42. Name of District _____

43. Name of Well _____

44. Name of Lease _____

45. Name of Section _____

46. Name of Township _____

47. Name of Range _____

48. Name of County _____

49. Name of State _____

50. Name of District _____



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