

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 OTERO Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline KL PASO NATURAL GAS COMPANY Date Test Filed 5-7-56

Operator MIKE ABRAHAM Lease JICARILLA Well No. 11
Unit 0 Sec. 33 Twp. 24N Rge. 5W Pay Zone: From 2164 To 2340
Casing: OD 5-1/2" WT. 14# Set At 2316 Tubing: OD 2" WT. 4.7# Per. 2295
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.690 Estimated _____
Date of Flow Test: From 3-31-56 To 4-8-56 * Date S.I.P. Measured 12-5-55
Meter Run Size 4" Orifice Size 1.750 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 (8.25) ² x sp. const. 5 = 340 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) = 340 psia (h)
P_t = (h) + (f) = 340 psia (i)
Wellhead casing shut-in pressure (Dwt) 710 psig + 12 = 722 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 722 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 361 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 1.612 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{391,000}{405,000} \right]^n \frac{0.9706}{.9691} = \frac{1,565}{1,562}$ MCF/da.

SUMMARY
P_c = 722 psia
Q = 1612 Mcf/day
P_w = 340 psia
P_d = 361 psia
D = 1565 Mcf/day

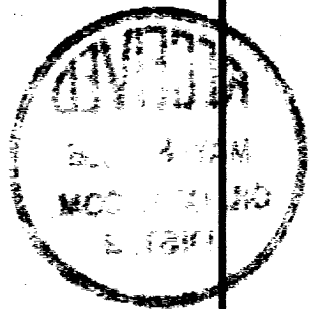
Company MIKE ABRAHAM
By [Signature]
Title Engineer
Witnessed by _____
Company _____

- * 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			





OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe		
Proration Office	/	
State Land Office		
U. S. G. S.		
Transporter	/	
File	/	✓