

Initial Deliverability
Test

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 Undesignated Formation Pictured Cliffs County RA
Purchasing Pipeline Pacific Northwest Pipeline Date Test Filed May 24, 1957
Operator Skelly Oil Co Lease L. L. McConnell Well No. 4
Unit D Sec. 31 Twp. 25N Rge. 3W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 3654 Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From 4/24/57 To 4/31/57 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart Normal 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 520 psig + 12 = 532 psia (g)
Square root chart average reading (_____)² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 532 psia (i)
Wellhead casing shut-in pressure (Dwt) 860 psig + 12 = 872 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 872 psia (l)
Flowing Temp. (Meter Run) 55 °F + 460 _____ = 515 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 436 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 304 $\left[\frac{(P_c^2 - P_d^2) = 570,288}{(P_c^2 - P_w^2) = 477,360} \right]^n \frac{1.1593}{352} = 352$ MCF/da.

SUMMARY
P_c = 872 psia
Q = 304 Mcf/day
P_w = 532 psia
P_d = 436 psia
D = 352 Mcf/day

Company Geoelectric, Inc
By B. H. Keyser B. H. Keyser
Title Agent
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 _t ² (Column i)	P _t ² + R ²	P _w



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received 3		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Exploration Office		
State Land Office		
U.S. B.S.	1	
Transporter		
File	1	✓