

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 S. BLANCO P. C. Formation P. C. County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS Date Test Filed _____

Operator SKELLY OIL CO. Lease JICARILLA (O) Well No. 3
Unit M Sec. 21 Twp. 25 N Rge. 5 W Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .688 Estimated _____
Date of Flow Test: From 3/2/57 To 3-16-57 * Date S.I.P. Measured 7/16/56
Meter Run Size 4" Orifice Size _____ Type Chart SR Type Taps F 1

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 (8.20) ² x sp. const. 5.00 = 336 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 336 psia (h)
P_t = (h) + (f) _____ = 877 psia (i)
Wellhead casing shut-in pressure (Dwt) 865 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 877 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 912 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 438 psia (n)

Q = 616 (integrated) x $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* =$ _____ MCF/da

DELIVERABILITY CALCULATION

D = Q 616 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$ 577,285 / 656,233 ⁿ .8971 = 593 MCF/da.

SUMMARY

P_c = 877 psia
Q = 616 Mcf/day
P_w = 336 psia
P_d = 438 psia
D = 593 Mcf/day

Company GEOLYSTIC, INC.
By W. J. McCOMBATH W. J. McComby
Title AGENT
Witnessed by _____
Company _____

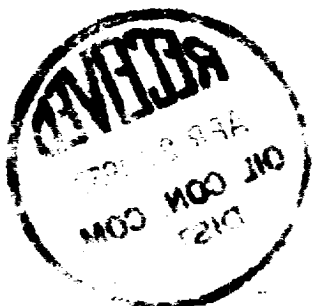
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w



OK



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒