Form C-122-A
Revised April 20, 1955

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 Fulcher-Kutz Formation Pictured Cliffs County SJ

Purchasing Pipeline El Paso Natural Gas Co Date Test Filed May 24, 1957

Operator Skelly Oil Co Lease Fleming "A" Well No. 1

Unit H Sec. 16 Twp. 27N Rge. 9W Pay Zone: From _____ To _____

Casing: OD 5½ WT. _____ Set At 2276 Tubing: OD _____ WT. _____ T. Perf. _____

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .645 Estimated _____

Date of Flow Test: From 5/1/57 To 5/8/57 * Date S.I.P. Measured _____

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 (7.3)^2 x sp. const. 5.00	=	266	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	_____	psia	(h)
P_t = (h) + (f)	=	266	psia	(i)
Wellhead casing shut-in pressure (Dwt) 610	psig + 12 =	622	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	_____ psig + 12 =	_____	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	622	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460	=	618	°Abs	(m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l)	=	311	psia	(n)

FLOW RATE CALCULATION

$Q =$ _____ (integrated) $\times \left(\frac{\sqrt{h_w}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} =$ _____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ $D = 271 \left[\frac{290,163}{316,128} \right]^{.9299} = 252$ MCF/da.

SUMMARY

P_c =	622	psia
Q =	271	Mcf/day
P_w =	266	psia
P_d =	311	psia
D =	252	Mcf/day

Company Geolectric, Inc
By B H Keyes B. H. Keyes
Title Agent
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w

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