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 Undesignated Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Date Test Filed May 24, 1957

Operator Skelly Oil Co Lease L. L. McConnell Well No. 2

Unit P Sec. 31 Twp. 25N Rge. 3W Pay Zone: From _____ To _____

Casing: OD 5½ WT. _____ Set At 3551' 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	549 psig + 12 =	561	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)	=	561	psia	(i)
Wellhead casing shut-in pressure (Dwt)	925 psig + 12 =	937	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	_____ psig + 12 =	_____	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	937	psia	(l)
Flowing Temp. (Meter Run)	54 °F + 460 =	514	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	469	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$

D = Q 338 $\left[\frac{P_c^2 - P_d^2 = 658,008}{P_c^2 - P_w^2 = 563,248} \right]^{n}$ 1.1427 = 386 MCF/da.

SUMMARY

P_c = 937 psia
Q = 338 Mcf/day
P_w = 561 psia
P_d = 469 psia
D = 386 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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w

OK

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