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 Basin Dakota Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator Shar-Alan Oil Co. Lease Dick Hunt Federal Well No. 2

Unit H Sec. 1 Twp. 30 Rge. 14 Pay Zone: From 6166 To 6251

Casing: OD 5½ WT. Set At 6370 Tubing: OD 2-3/8 WT. T. Perf. 6167

Produced Through: Casing Tubing x Gas Gravity: Measured Estimated

Date of Flow Test: From To * Date S.I.P. Measured

Meter Run Size Orifice Size Type Chart Type Taps

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 (7.10) ^{2} x sp. const. 10	= 504	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 504	psia	(h)
P_t = (h) + (f)	= 504	psia	(i)
Wellhead casing shut-in pressure (Dwt) 2100	psig + 12 = 2112	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2100	psig + 12 = 2112	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 2112	psia	(l)
Flowing Temp. (Meter Run) °F + 460	=	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1056	psia	(n)

FLOW RATE CALCULATION

Q = 271 (integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*}$ = MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{3,345,408}{4,206,528} \right]^{n}$ .7953 .8422 = 228 MCF/da.

SUMMARY

P_c = 2112 psia
Q = 271 Mcf/day
P_w = 504 psia
P_d = 1056 psia
D = 228 Mcf/day

Company GeoLectric, Inc.
By
Title Agent
Witnessed by
Company

RECEIVED
JUN 4 1965
OIL CON. COM.
DIST. 3

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

REMARKS OR FRICTION CALCULATIONS

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

Average daily volume was arrived at by taking total production to date and diving by number of days produced. Unable to obtain required chart information due to continuous logging off.