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 Dakota County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 4-27-59

Operator Skelly Oil Company Lease Fanning "B" Well No. 1

Unit A Sec. 2 Twp. 26N Rge. 6W Pay Zone: From 6994 To 7026

Casing: OD 7" WT. 23# Set At 7053' Tubing: OD 2" WT. 4.70 T. Perf. 7017

Produced Through: Casing ~~Tubing~~ Tubing X Gas Gravity: Measured .680 Estimated

Date of Flow Test: From 3-29-59 To 4-6-59 * Date S.I.P. Measured October 17, 1958

Meter Run Size 4" Orifice Size 1.500" 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 (6.95) ^{2} x sp. const. 10.00	= 463	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	psia	(h)
P_t = (h) + (f)	= 463	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 =	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2200	psig + 12 = 2212	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 2212	psia	(l)
Flowing Temp. (Meter Run) 78 °F + 460	= 538	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1106	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{3,649,708}{4,599,160} \right]^{n}$ .7979$^{.75}$ = .8442 = 1285 MCF/da.

SUMMARY

P_c =	2212	psia
Q =	1522	Mcf/day
P_w =	942	psia
P_d =	1106	psia
D =	1285	Mcf/day

Company Skelly Oil Company
By P. E. Cosper (Signed) P. E. Cosper
Title District Superintendent
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
4772	0.293	201.8	60	233.3	293.3	942

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APR 28 1959
OIL CON. COM.
DIST. 3

OK