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 South Blanco Formation Pictured Cliffs County S J

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 9-8-58

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

Unit D Sec. 2 Twp. 27N Rge. 9W Pay Zone: From 2310 To 2340

Casing: OD 5½" WT. 14# Set At 2444 Tubing: OD 1" WT. _____ T. Perf. 2310

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .642 Estimated _____

Date of Flow Test: From 1-6-58 To 1-13-58 * Date S.I.P. Measured 8-7-57

Meter Run Size 4" Orifice Size 1.500 Type Chart SR 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 (7.55) ^{2} x sp. const. 5.00	= 285	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	psia	(h)
P_t = (h) + (f)	=	psia	(i)
Wellhead casing shut-in pressure (Dwt) 695	psig + 12 = 707	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 =	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 707	psia	(l)
Flowing Temp. (Meter Run) 52 °F + 460	= 512	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 353	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = \_\_\_\_ \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 622 \left[\frac{375,240}{418,624} \right]^{.85} = .8964 = 567 \text{ MCF/da.}$$

SUMMARY

P_c =	707	psia	
Q =	622	Mcf/day	
P_w =	285	psia	
P_d =	353	psia	
D =	567	Mcf/day	

Company Skelly Oil Company
By Lee R. King
Title Production Engineer
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

RECEIVED
SEP 8 1958
OIL CON. COM.
DIST. 3