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 Company Date Test Filed 1-7-61

Operator The British-American Oil Prod. Co. Govt. Fullerton Well No. 6

Unit B Sec. 11 Twp. 27N Rge. 11W Pay Zone: From 6417 To 6467

Casing: OD 4½" WT. 14 & 15½ Set At 6619 Tubing: OD 2-1/16" WT. 3.40 T. Perf. 6395 Flr.

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.668 Estimated ____

Date of Flow Test: From 11-30-60 To 12-6-60 *Date S.I.P. Measured 6-28-60

Meter Run Size 4.0 Orifice Size 1.750 Type Chart Square Root Type Taps Flanged

OBSERVED DATA

Flowing casing pressure (Dwt) ____ psig + 12 =	Packer	psia	(a)
Flowing tubing pressure (Dwt) 654 psig + 12 =	666	psia	(b)
Flowing meter pressure (Dwt) 461 psig + 12 =	473	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading ____ psig + 12 =	—	psia	(d)
Square root chart reading (6.90) ^{2} x spring constant 10 =	476	psia	(d)
Meter error (c) - (d) or (d) - (c) ± =	-3	psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing =	193	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 =	483	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) =	480	psia	(h)
P_t = (h) + (f) =	673	psia	(i)
Wellhead casing shut-in pressure (Dwt) ____ psig + 12 =	Packer	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2016 psig + 12 =	2028	psia	(k)
P_c = (j) or (k) whichever well flowed through =	2028	psia	(l)
Flowing Temp. (Meter Run) 78 °F + 460 =	538	°Abs	(m)
P_d = ½ P_c = ½ (l) =	1014	psia	(n)

FLOW RATE CALCULATION

Q = 2,263 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{9936}{\text{923,759}} = \frac{.9968}{0.9974}\right)^2$ = 2256 = 2254.5 MCF/da

DELIVERABILITY CALCULATION

D = Q 2256 = 2254.5 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{3,014,588}{3,421,823}\right]^n$ .9252 = 0.93505 = 2087 = 2089 MCF/da.

SUMMARY

P_c =	2028	psia
Q =	2256	2254.5 Mcf/day
P_w =	831	830 psia
P_d =	1014	psia
D =	2087	2089 Mcf/day

Company The British-American Oil Prod. Co.
By Frank Hazard
Title Field Engineer
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4272	0.267	891.500	238.031	452.929	679961	831

f_c = 13,235

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JAN 9 1961
OIL CON. COM.
DIST. 3

OK