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 Blanco Formation MV County RA

Purchasing Pipeline EP Date Test Filed

Operator EP Lease San Juan 28-6 Well No. 55

Unit M Sec. 9 Twp. 28-N Rge. 6-W Pay Zone: From 5414 To 5942

Casing: OD 5-1/2 WT. 15.5 Set At 5999 Tubing: OD 2 WT. 4.7 T. Perf. 5889

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .690 Estimated ____

Date of Flow Test: From 3/31/57 To 4/9/57 * Date S.I.P. Measured 8/27/56

Meter Run Size 4 Orifice Size 2.250 Type Chart Sq. Root Type Taps F

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 (7.45) ^{2} x sp. const. 10	=	555	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	555	psia	(h)
P_t = (h) + (f)	=	555	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1045	psig + 12 =	1057	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1041	psig + 12 =	1053	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1053	psia	(l)
Flowing Temp. (Meter Run) 81 °F + 460	=	541	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	527	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{\bullet} = 2791 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{831080}{624505} \right]^{n} = \frac{1.3307}{1.2388} = 3457 \text{ MCF/da.}$$

SUMMARY

P_c =	1053	psia	
Q =	2791	Mcf/day	
P_w =	696	psia	
P_d =	527	psia	
D =	3457	Mcf/day	

Company Original Signed
By Lewis D. Galloway
Title
Witnessed by
Company

RECEIVED
APR 26 1957
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
4063	.256	688.590	176.279	308025	484304	696

846665 / 800784 = 1.0572 = 1.0426

D500 = 2910

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