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

Purchasing Pipeline EPNG Date Test Filed

Operator Blackwood & Nichols Lease NE Blanco Unit Well No. 50-25

Unit M Sec. 25 Twp. 31N Rge. 6W Pay Zone: From 5224 To 5696

Casing: OD 5½ WT. Set At 5744 Tubing: OD 2 WT. 4.7 T. Perf. 5603

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

Date of Flow Test: From 11-28-57 To 12-6-57 * Date S.I.P. Measured 8-3-57

Meter Run Size Orifice Size 1.900 Type Chart SR 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 (7.45) ^{2} x sp. const. 10	=	555	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	555	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1024	psig + 12 =	1036	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 =		psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1036	psia	(l)
Flowing Temp. (Meter Run) 57 °F + 460	=	537	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	518	psia	(n)

FLOW RATE CALCULATION

Q = 1091 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 1091 $\left[\frac{804,972}{741,492} \right]^{1.0635}$ = 1091 (1.0856) = 1160 MCF/da.

SUMMARY

P_c =	1036	psia	
Q =	1091	Mcf/day	
P_w =	576	psia	
P_d =	518	psia	
D =	1160	Mcf/day	

Company Geochoris, Inc.
By D. W. Stiles D W Stiles
Title Agent
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3530	.226	105,216	23,779	304,025	328,804	576

RECEIVED
JAN 7 1958
OIL CON. COM.
DIST. 3

OK