1 - [illegible] - Aztec
1 - Houston
1 - Midland
1 - Durango
1 - File

NEW MEXICO OIL CONSERVATION COMMISSION
One-point Back Pressure Test for Gas Wells
(Deliverability)

Form C-122-C
4-1-54

Pool Basin Dakota Formation Dakota County San Juan
Initial x Annual ____ Special ____ Date of test 8-2-61
Company Tidewater Oil Co. Lease N. Mex. Fed. Deep Unit 12E Well No. 1
Unit I Sec. 12 Twp. 29N Rge. 11W Purchaser Vented
Casing 4-1/2 Wt. 9.5 I.D. ____ Set at 6729 Perf. 6497 To 6616
Tubing 2-3/8 Wt. 4.7 I.D. ____ Set at 6463 Perf. ____ To ____
Gas Pay: From 6497 To 6616 L ____ x G ____ = GL ____ Bar.Press. 13.2
Producing Thru: Casing ____ Tubing x Type Well Single
Single- Bradenhead-G.G. or G.O. Dual

FLOW DATA

Started Date	Started time	Taken Date	Taken time	Duration Hours	Type Taps	Line Size	Choke Nipple Orifice Size	Static Press.	Differential	Flow Temp.
8-2-61	AM / PM	8-2-61	AM / PM	3		2"	3/4"	343		86

FLOW CALCULATIONS

Static Pressure p_f	Differential h_w	Meter Extension $\sqrt{p_f h_w}$	24-Hour Coefficient	Gravity Factor F_g	Temp. Factor F_t	Compressability F_{pv}	Rate of Flow MCF/Da. @ 15.025 psia Q
343			12.365	.9608	.9759	1.029	4092

SHUT-IN DATA

Shut-in Date	Shut-in Time	Press. Taken Date	Press. Taken Time	Duration Hours	Wellhead Pressure (P_c) psia Tubing	Wellhead Pressure (P_c) psia Casing	FLOW DATA W.H. Working Pressure (P_w) and (P_t) psia Tubing	FLOW DATA W.H. Working Pressure (P_w) and (P_t) psia Casing
7-26-61	AM / PM	8-2-61	AM / PM	7-1/2 Da.	2088	2088	343	808

FRICTION CALCULATIONS (if necessary)

RECEIVED
AUG 11 1961
OIL CON. COM.
DIST. 3

DELIVERABILITY CALCULATIONS

P_w ____ P_c ____ $P_w^2 - P_c^2$ ____

$1 - \frac{P_w}{P_c}$ ____ $1 + \frac{P_w}{P_c}$ ____ $\left(1 - \frac{P_w}{P_c}\right)\left(1 + \frac{P_w}{P_c}\right) = M$ ____ Aof ____

.36 + M ____ Log ____ x (n) ____ = ____ +

SUMMARY

P_c = 2088 psia
Q = 4092 MCF/Da.
P_w = 808 psia
P_d = - psia
AOF D = 4621 MCF/Da.

COMPANY Tidewater Oil Company
ADDRESS Box 547, Hobbs, N. Mex.
AGENT and TITLE Thomas E. Weaver Area Supt.
WITNESSED Wayne Smith
COMPANY GeoElectric, Inc.

Log Q = ____
Log D = ____
Antilog = ____ = D

REMARKS

N equal 0.75, estimates specific gas gravity 0.65. This well was unloaded and cleaned up, and the absolute open flow potential was recalculated at 4621 MCF/Day.