

1 - Houston
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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 12th Well No. 1
Unit 1 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

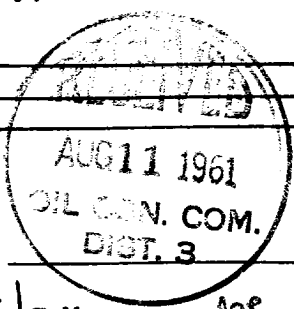
FLOW DATA				Choke		Static Press.	Differential	Flow Temp.
Started	Taken	Duration	Type	Line	Choke			
Date	time	Hours	Taps	Size	Size			
8-2-61	AM	3		2"	3/4"	343		86
	PM							

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	Compressibility F_{pv}	Rate of Flow MCF/Da. @ 15.025 psia Q
343			12.365	.9608	.9759	1.029	4092

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

FRICTION CALCULATIONS (if necessary)

SUMMARY

DELIVERABILITY CALCULATIONS						$P_c =$ <u>2088</u> psia
P_w _____	P_c _____	$P_w + P_c$ _____				$Q =$ <u>4092</u> MCF/Da.
$1 - \frac{P_w}{P_c}$ _____	$1 + \frac{P_w}{P_c}$ _____	$\left(1 - \frac{P_w}{P_c}\right) \left(1 + \frac{P_w}{P_c}\right) = M$	Aof			$P_w =$ <u>808</u> psia
$.36 + M$ _____	Log _____	$x (n)$ _____				$P_d =$ _____ psia
						$QD =$ <u>4621</u> MCF/Da.
						$=$ _____ +

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