

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Formation Mesa Verde County San Juan
 Initial _____ Annual _____ Special Workover Date of Test 6/7/63
 Company ARTEL OIL AND GAS Lease Culpeper Martin Well No. 11
 Unit A Sec. 29 Twp. 32N Rge. 12W Purchaser 7" 4667-4935
 Casing 4 1/2 Wt. 95 I.D. 4.000 Set at 4667 Perf. 4686 To 4893
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 4657 Perf. 4647 To 4657
 Gas Pay: From 4686 To 4893 L. 4657 to 7000 B-G 3260 Bar. Press. 12
 Producing Thru: Casing _____ Tubing ✓ Type Well SINGLE - GAS
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: 5/31/63 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~Choke~~) (Choke) (~~Valve~~)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h_w	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	Press. psig	Temp. $^{\circ}F$	
SI						932		932		
1.	2"	3/4"				126	60 ^{out}	522	60 ^{out}	3
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		138	1.0000	.9258	1.016	1,605
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ ($1-e^{-8}$) _____

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 944 P_c 896,136

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-8})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w P_c
1.	534					285,156	605,980		
2.									
3.									
4.									
5.									

Absolute Potential: 2,143 MCFPD; n .75COMPANY ARTEL OIL AND GASADDRESS Box 570 Farmington, New MexicoAGENT and TITLE B. H. McNamee DISTRICT ENGINEER

WITNESSED _____

COMPANY _____

REMARKS _____

JUN 10 1963

OIL CON. COM.
DIST. 3