

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County Rio Arriba
Initial X Annual - Special - Date of Test 10/3/58
Company Magnolia Petroleum Co. Lease Jicarilla "E" Well No. 5 MV-LT
Unit A Sec. 14 Twp. 27N Rge. 3W Purchaser Pacific Northwest Pipeline
Casing 5" Wt. 15# I.D. 4.408" Set at 6060' Perf. 5540' To 5998'
Tubing 2-3/8" Wt. 4.7# I.D. 1.995" Set at 5986' Perf. - To -
Gas Pay: From 5540' To 5998' L 5986' xG est. 0.680 -GL 4070 Bar. Press. 12 psia
Producing Thru: Casing - Tubing X Type Well G. G. Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 8/31/58 Packer yes Reservoir Temp. -

OBSERVED DATA

Tested Through (Prover) (Choke) (Tubing) Type Taps -

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1331	-	-	-	
1.	2"	0.750"	257	-	59	257	590	-	-	3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	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	-	269	1.0010	0.9393	1.030	3221
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio - cf/bbl.
Gravity of Liquid Hydrocarbons - deg.
F_c 9.402 (1-e^{-s}) 0.256

Specific Gravity Separator Gas -
Specific Gravity Flowing Fluid (0.680)
P_c 1343 P_c² 1803.6

No.	P _t P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	269	72.4	303	918.1	235.0	307.4	1496.2	-	-
2.									
3.									
4.									
5.									

Absolute Potential: 3693 MCFPD; n 0.75COMPANY Magnolia Petroleum CompanyADDRESS Box 2406, Hobbs, New MexicoAGENT and TITLE William A. Morgan Jr. Gas Engineer

WITNESSED

COMPANY -

REMARKS

