

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Undesignated Formation Pictured Cliffs County Elko Arriba
Initial x Annual - Special - Date of Test 10/3/58
Company Magnolia Petroleum Company Lease Jicarilla "E" Well No. 5 PC-UT
Unit A Sec. 14 Twp. 27N Rge. 3W Purchaser Pacific Northwest Pipeline
Casing 7-5/8" Wt. 25.40# I.D. 6.969" Set at 3985' Perf. 3715' To 3749'
Tubing 2-3/8" Wt. 4.7# I.D. 1.995" Set at 3742' Perf. - To -
Gas Pay: From 3715' To 3749' L 3742' xGest 0.680 -GL 2545 Bar. Press. 12 psia
Producing Thru: Casing - Tubing x Type Well G.S. Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 8/31/58 Packer none Reservoir Temp. -

OBSERVED DATA

Tested Through (Pressure) (Choke) (Restrictor)Type Taps -

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Restrictor) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"	0.750"	41	-	58°	917	58°	914	155	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	-	53	1.0019	0.9393	-	617
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas -
Specific Gravity Flowing Fluid 0.880
P_c 929 P_c² 863.04

No.	P _w 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.	167	-	-	-	-	27.9	835.1	-	-
2.									
3.									
4.									
5.									

Absolute Potential: 633 MCFPD; n 0.85COMPANY MAGNOLIA PETROLEUM COMPANYADDRESS BOX 2406, HOBBS, NEW MEXICOAGENT and TITLE William A. Meyer Jr. Gas Engineer

WITNESSED

COMPANY

REMARKS

