

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 Rio Arriba
Initial I Annual _____ Special _____ Date of Test 11/15/57
Company Magnolia Petroleum Company Lease Jicarilla "E" Well No. 4 P.C.
Unit M Sec. 11 Twp. 27N Rge. 3W Purchaser Pacific Northwest
Casing 7 5/8" Wt. 24# I.D. 7.025 Set at 4,072' Perf. 3,675' To 3,761'
Tubing 2 3/8" Wt. 4.7# I.D. 1.995 Set at 3,683' Perf. - To -
Gas Pay: From 3,675' To 3,761' L - xG 0.68(est) -GL - Bar.Press. -
Producing Thru: Casing _____ Tubing x Type Well G.G. Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 10/21/57 Packer None Reservoir Temp. -

OBSERVED DATA

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

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Prover) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1076	-	1077	-	
1.	2"	0.750"	81	-	61	81	61	161	-	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	-	93	.9990	.9393	-	1,079
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid 0.68
P_c 1088 P_c² 1,183.7

No.	P _w 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.	173	-	-	-	-	29.9	1,153.8	-	
2.									
3.									
4.									
5.									

Absolute Potential: 1.103 MCFPD; n .85

COMPANY MAGNOLIA PETROLEUM COMPANY

ADDRESS BOX 2406, HORRIS, NEW MEXICO

AGENT and TITLE W. H. H. Gas Engineer

WITNESSED _____

COMPANY _____

REMARKS

