

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Picture Cliff County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 7-26-56
Company Gulf Oil Corporation Lease Apache-Federal Well No. 5
Unit NE1/4 Sec. 18 Twp. 24N Rge. 5W Purchaser El Paso Natural Gas Co.
Casing 4 1/2" Wt. 9.5 I.D. 4 1/8" Set at 2310 Perf. 2226 To _____
Tubing 2 3/8" Wt. 4.7 I.D. 2 1/8" Set at 2226 Perf. 2226 To _____
Gas Pay: From 2203 To 2230 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing _____ Type Well Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 5-16-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) X 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						702		702		7 Day Contin.
1.		3/8"	54			54		122		3 Hours.
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.	14.1605		54				754.57
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 _____
P_c 702 P_c² 492.8

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.						14.86	477.9		
2.									
3.									
4.									
5.									

Absolute Potential: 985.66 MCFPD; n .25
COMPANY El Paso Production Company
ADDRESS 1041 Euni Drive Farmington, New Mexico
AGENT and TITLE H. A. Neely General
WITNESSED _____
COMPANY _____

REMARKS



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