

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesa Verde Formation Mesa Verde County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 3/22/56
Company El Paso Natural Gas Co. Lease San Juan 28-7 Well No. 47
Unit A Sec. 20 Twp. 28N Rge. 7W Purchaser El Paso Natural Gas Co.
Casing 5 7/8 Wt. _____ I.D. _____ Set at 5107 Perf. _____ To _____
Tubing 2 Wt. _____ I.D. _____ Set at 5042 Perf. 4303 To 5056
Gas Pay: From 4303 To 5056 L _____ xG 0.665 -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: _____ Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Choke 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.	
SI						989	995	
1.		3/4	415			415	730	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		427	0.9877	0.9498	1.042	5911
2.							
3.							
4.							
5.							

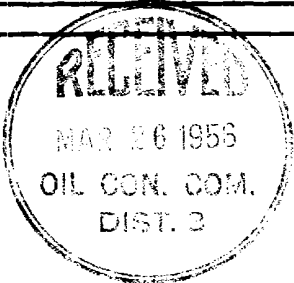
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e⁻⁸)
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c _____ P_c² _____

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.									
2.									
3.									
4.									
5.									

Absolute Potential: 6857 MCFPD; n 0.75
COMPANY El Paso Natural Gas Co.
ADDRESS P. O. Box 100, Santa Fe, N.M.
AGENT and TITLE Tom Grant, Gas Engineer
WITNESSED _____
COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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