

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 San Juan
Initial X Annual _____ Special _____ Date of Test 3/26/56
Company El Paso Natural Gas Company Lease Newberry Well No. 4
Unit _____ Sec. 9 Twp. 31N Rge. 12W Purchaser El Paso Natural Gas Company
Casing 5 1/2 4653 - 5100 Wt. _____ I.D. _____ Set at 4720 Perf. _____ To _____
Tubing 2 Wt. 4.7 I.D. 1.995 Set at 5072 Perf. _____ To _____
Gas Pay: From 4818 To 5084 L _____ xG .705 -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: _____ Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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						<u>1045</u>		<u>1047</u>		
1.		<u>3/4</u>	<u>468</u>			<u>468</u>	<u>73</u>	<u>964</u>		<u>3 hours</u>
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.	<u>14.1605</u>		<u>480</u>	<u>0.9877</u>	<u>0.9225</u>	<u>1.057</u>	<u>6546</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravimetric of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
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 ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 27,100 MCFPD: n 0.750COMPANY El Paso Natural Gas CompanyADDRESS Box 997, Farmington, N.M.AGENT and TITLE Tom Grant, Gas Engineer

WITNESSED _____

COMPANY _____

REMARKS _____

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