

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County Rio Arriba
Initial 2 Annual _____ Special _____ Date of Test 1-20-65
Company NEW AMERICAN PETROLEUM CORP. Lease San Juan 27-3 Unit Well No. 96
Unit 7 Sec. 13 Twp. 27 Rge. 5 Purchaser El Paso Natural Gas Company
Casing 4-1/2 Wt. 13.6 I.D. 4.032 Set at 7724 Perf. 7725-25 To 7825-25
Tubing 2-3/8 Wt. 4.7 I.D. 1.993 Set at 7726 Perf. 7879 To 7883
Gas Pay: From 7761 To 7906 L 7734 xG .700 -GL 3400 Bar.Press. 12
Producing Thru: Casing _____ Tubing 2 Type Well Single
Date of Completion: 1-11-65 Packer None Single-Bradenhead-G. G. or G.O. Dual
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) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	<u>2.3400</u>	<u>.750</u>	<u>377</u>			<u>3400</u>	<u>377</u>	<u>3311</u>	<u>377</u>	<u>3 Hr.</u>
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.	<u>12.3400</u>		<u>340</u>	<u>1.0000</u>	<u>.9888</u>	<u>1.007</u>	<u>4000</u>
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 2900 P_c 6,343,200

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.						<u>1,047,076</u>	<u>3,997,400</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 2007 MCFPD: n .75

COMPANY NEW AMERICAN PETROLEUM CORPORATION

ADDRESS Box 100, Santa Fe, New Mexico

AGENT and TITLE F. L. Smith, District Engineer

WITNESSED ORIGINAL SIGNED BY

COMPANY W. Foell

REMARKS

