

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 San Juan
Initial X Annual _____ Special _____ Date of Test 11-14-64
Company PAN AMERICAN PETROLEUM CORP. Lease W. D. North "A" Well No. 10
Unit K Sec. 17 Twp. 29N Rge. 9W Purchaser El Paso Natural Gas Company
Casing 4-1/2 Wt. 10.5 I.D. 4.032 Set at 6402 Perf. 6436-26 To 6340-34
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6474 Perf. 6436 To 6442
Gas Pay: From 6436 To 6506 L 6321 xG .700 -GL 4365 Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-9-64 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~Flowline~~) (Choke) (~~Flowline~~) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Flowline) (Line) Size	(Choke) (Flowline) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	<u>7 Days</u>					<u>2110</u>		<u>2120</u>		
1.	<u>2 inch</u>		<u>304</u>			<u>304</u>	<u>60° est.</u>	<u>613</u>	<u>60° est.</u>	<u>3 hrs.</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>12.3630</u>		<u>310</u>	<u>1.000</u>	<u>0.9238</u>	<u>1.037</u>	<u>3731</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e⁻⁵)

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2132 P_c 4,343,424

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁵)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						<u>416,825</u>	<u>4,129,399</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 4031 MCFPD; n .75
COMPANY PAN AMERICAN PETROLEUM CORPORATION
ADDRESS Box 400, Farmington, New Mexico
AGENT and TITLE V. L. Roberts, District Engineer
WITNESSED By: F. W. Foll
COMPANY _____

REMARKS

