

1-L.G. Freedy
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1-File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BLANCO MESAVERDE Formation MESAVERDE County SAN JUAN
Initial X Annual _____ Special _____ Date of Test 6-25-56
Company PACIFIC NORTHWEST PIPELINE CORP. Lease 32-7 Well No. 13-16
Unit H Sec. 16 Twp. 32N Rge. 7W Purchaser _____
Casing 7-5/8 Wt. _____ I.D. _____ Set at 3516.6 Perf. 5280' To 5678'
Tubing _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
Gas Pay: From 5280 To 5678 L _____ xG .650 est. -GL _____ Bar.Press. 12 psia
Producing Thru: Casing _____ Tubing X Type Well SYNTHETIC
Date of Completion: 6/5/56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (HOLE) (Choke) (HOLE) SHUT IN 7 DAYS 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										
1.		<u>3/4</u>	<u>78</u>		<u>77</u>	<u>1161</u>		<u>1160</u>		
2.						<u>78</u>		<u>197</u>		<u>3 Hrs.</u>
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>12.3650</u>		<u>99</u>	<u>.9840</u>	<u>.9628</u>	<u>1.000</u>	<u>1052</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 1173 P_c 1375.9

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	²⁸⁹ P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.						<u>43.68</u>	<u>1332.2</u>		<u>1.03</u>
2.									
3.									
4.									
5.									

Absolute Potential: 1.076 MCFPD; n .75 = 1.0224
COMPANY PACIFIC NORTHWEST PIPELINE CORP.
ADDRESS 4054 W. Broadway, Farmington, New Mexico
AGENT and TITLE G. R. WAGNER, GAS ENGINEER
WITNESSED _____
COMPANY _____

REMARKS



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