

3 - MBOC
1 - W.R. Johnston
1 - Cutler
1 - Fowler
1 - Hollis

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Mesa Verde County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 3-19-56
Company PACIFIC NORTHWEST PIPELINE CORP Lease INDIAN Well No. 1 #1
Unit D Sec. 27 Twp. 28N Rge. 3W Purchaser _____
Casing 7-5/8" 25.4 Wt. 15.5 I.D. 6.969 5.012 Set at 3610 Perf. 6028 To 5422
Tubing 2" Wt. _____ I.D. _____ Set at 6017.77 Perf. _____ To _____
Gas Pay: From _____ To _____ L _____ xG .600 Est. GL Bar. Press. 12 PSIA
Producing Thru: Casing _____ Tubing X Type Well Dual G.G.
Date of Completion: 11-28-55 Packer 5350 Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (41000) (Choke) (M300) S.I. 10 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						<u>1416</u>				
1.		<u>3/4"</u>				<u>92</u>			<u>62</u>	<u>3</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>12.9690</u>		<u>104</u>	<u>.9981</u>	<u>1.000</u>	<u>1.009</u>	<u>1295</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 9.402 (1-e^{-s}) .231
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1428 P_c 2039

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>104</u>	<u>10816</u>	<u>1295</u>	<u>1677025</u>	<u>1665000</u>	<u>44.1</u>	<u>1993.9</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 1.335 MCFPD; n .75
COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION
ADDRESS 413 West Main Street, Farmington, New Mexico
AGENT and TITLE G. R. Wagner - Gas Well Tester
WITNESSED _____
COMPANY _____

REMARKS



