

3-BOCC Artec
1-L.G. Truby
1-Frank Partridge
1-Val Reese
1-File
1-W.R. Johnston

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool WILDCAT Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 7/9/56
Company Northwest Production Corporation Lease 8 Well No. 1-1
Unit 1 Sec. 1 Twp. 24N Rge. 4W Purchaser _____
Casing 4-1/2 Wt. _____ I.D. _____ Set at 3326 Perf. 3172' To 3226'
Tubing 1-1/4 Wt. _____ I.D. _____ Set at 3194 Perf. _____ To _____
Gas Pay: From 3172 To 3226 L _____ xG .680 est. GL _____ Bar.Press. 124 psia
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 6-21-56 Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (24/24) 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		<u>3/4</u>				<u>997</u>		<u>997</u>		<u>3 Hrs.</u>
1.			<u>151</u>		<u>50°</u>	<u>151</u>		<u>686</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>12.3650</u>		<u>163</u>	<u>1.0058</u>	<u>.9393</u>	<u>1.018</u>	<u>1946</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 1009 P_c 1018.1

No.	$\frac{P_w}{P_t}$ (psia)	P_t^2	F _c Q	(F _c Q) ²	$\frac{(F_c Q)^2}{(1-e^{-s})}$	$\frac{608}{P_w^2}$	$P_c^2 - P_w^2$	Cal. P _w	$\frac{P_w}{P_c}$
1.						<u>487.2</u>	<u>530.9</u>		<u>1.92</u>
2.									
3.									
4.									
5.									

Absolute Potential: 3388 MCFPD; n .85 = 1.7410

COMPANY NORTHWEST PRODUCTION CORPORATION

ADDRESS _____

AGENT and TITLE G. R. WAGNER, GAS ENGINEER

WITNESSED _____

COMPANY _____

REMARKS _____



OIL CONSERVATION COMMISSION		
ATTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
Original	1	
Subsidiary	1	
Executive Office	1	
Director's Office	1	
Administrative	1	
Training	1	
File	1	✓