

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Alamosa-Actuated Cliffs Formation Actuated Cliffs County Rio Arriba
Initial 1 Annual _____ Special _____ Date of Test 5-31-56
Company STANLEY OIL & GAS COMPANY Lease Jicarilla Contract 148 Well No. 4
Unit 1 Sec. 13 Twp. 23N Rge. 5E Purchaser Sub-4a
Casing 5 1/2 Wt. 140 I.D. 5.012 Set at 3695 Perf. 3627 To 3697
Tubing 2-3/8 Wt. 4.7 I.D. 1.975 Set at 3617 Perf. 3611 To 3617
Gas Pay: From 3623 To 3672 L _____ xG .65 out -GL _____ Bar.Press. 11.200
Producing Thru: Casing _____ Tubing 2 Type Well Single-Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 5-30-56 Packer _____ Reservoir Temp. 100°

OBSERVED DATA

Tested Through (none) (Choke) (none) 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>1/4</u>	<u>395</u>		<u>60°</u>	<u>1022</u>	<u>60</u>	<u>1022</u>	<u>60°</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>11.3610</u>		<u>407</u>	<u>1.000</u>	<u>.9500</u>	<u>1.013</u>	<u>5.038</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 65
P_c 1022 P_c 1069.2

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>999</u>	<u>130.2</u>		<u>.977</u>
2.									
3.									
4.									
5.									

Absolute Potential: 30.228 MCFPD; n .85
COMPANY STANLEY OIL & GAS COMPANY
ADDRESS Box 487, Farmington, New Mexico
AGENT and TITLE R. M. Bauer, Jr., Field Engineer RMB
WITNESSED _____
COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received- <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒