

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Antero-Pictured Cliffs Formation Pictured Cliffs County San Juan
Initial I Annual _____ Special _____ Date of Test 12-10-56
Company STANLEY OIL AND GAS COMPANY Lease Antero Gas Unit "C" Well No. 1
Unit 7 Sec. 25 Twp. 29 Rge. 10 Purchaser Not Connected
Casing 5-1/2" Wt. 26 I.D. 4.012 Set at 1963 Perf. 1876 To 1910
Tubing 1-1/4" Wt. 2.3 I.D. 1.36 Set at 1906 Perf. 1900 To 1906
Gas Pay: From 1866 To 1920 L 1900 xG 0.65 (est.) GL 1295 Bar.Press. -
Producing Thru: Casing I Tubing _____ Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 12-10-56 Packer None Reservoir Temp. -

KB = 5542

GL = 5532

OBSERVED DATA

Tested Through (Runner) (Choke) (None) Type Taps -

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Size) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.		<u>1/4"</u>	<u>229</u>		<u>69°</u>	<u>603</u> <u>240</u>	<u>69°</u>	<u>603</u> <u>229</u>		<u>(S.I. 7 days)</u> <u>3 hrs.</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>12.350</u>		<u>241</u>	<u>1.00</u>	<u>0.9600</u>	<u>1.006</u>	<u>2930</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 693 psia P_c 483.025

No.	P _w P _c (psia)	P _c 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>62.904</u>	<u>439.521</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 2911 MCFPD; n 0.85
COMPANY STANLEY OIL AND GAS COMPANY
ADDRESS Box 487
AGENT and TITLE Ray H. Bauer, Jr., Field Engineer RM/Bauer
WITNESSED _____
COMPANY _____

REMARKS

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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