

ILLEGIBLE

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Antes Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 4-25-56
Company Antes Oil & Gas Company Lease Hare Well No. 6
Unit 7 Sec. 15 Twp. 29-N Rge. 10-W Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 11.4 I.D. - - Set at 2195' Perf. 2126' To 2153'
Tubing 1" Wt. 1.79 I.D. - - Set at 2145' Perf. 2124' To 2135'
Gas Pay: From 2126' To 2152' L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: April 25, 1956 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Remove) (Choke) (Restrictor) 7 day Shut-in Type Taps _____

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						<u>676</u>		<u>676</u>		
1.		<u>3/4</u>				<u>225</u>	<u>60</u>	<u>219</u>	<u>60</u>	<u>1 hour</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>12.3650</u>		<u>231</u>	<u>1.0</u>	<u>.961</u>	<u>1.025</u>	<u>2614</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cc/lb.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 688 P_c 472.34

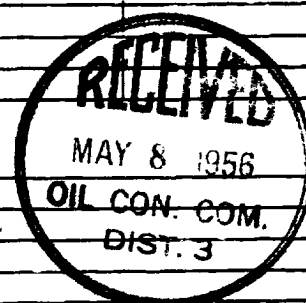
No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						<u>53.36</u>	<u>420</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 3122 MCFPD; n 0.85
COMPANY Antes Oil & Gas Company
ADDRESS P O Box 786, Farmington, New Mexico
AGENT and TITLE ORIGINAL SIGNED BY BILL R. HASTINGS, Production Engineer
WITNESSED _____
COMPANY _____

REMARKS

Temperature estimate: 60 degrees F

Gravity estimate: 0.65



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