

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astee Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test November 11, 1956
Company Astee Oil & Gas Company Lease Raid Well No. 11
Unit 0 Sec. 8 Twp. 28 Rge. 9 Purchaser Southern Union Gas Company
Casing 5 1/2 Wt. 15.5 I.D. _____ Set at 2310 Perf. 2241 To 2277
Tubing 1" Wt. 1.77 I.D. _____ Set at 2277 Perf. 2250 To 2261
Gas Pay: From 2241 To 2277 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single - Gas Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: November 3, 1956 Backer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Borehole) (Choke) (Restrictor) 30 day shut-in 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>720</u>		<u>720</u>		
1.		<u>3/4</u>				<u>25</u>	<u>60</u>	<u>25</u>	<u>60</u>	<u>1 hour</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>12.360</u>		<u>37</u>	<u>1.0</u>	<u>0.961</u>	<u>1.004</u>	<u>442</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 740 P_c² 547600

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>1369</u>	<u>547600</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 442 MCFPD; n 0.5
COMPANY ASTEE OIL & GAS COMPANY
ADDRESS Box 786, Farmington, New Mexico
AGENT and TITLE ORIGINAL SIGNED BY BILL R. HASTINGS, Production Engineer
WITNESSED _____
COMPANY _____

REMARKS

