

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astos Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 11-16-56
Company Standard Oil and Gas Company Lease Martinez Gas Unit "B" Well No. 1
Unit L Sec. 24 Twp. 29 Rge. 10 Purchaser El Paso Natural Gas Company
Casing 5-1/2 Wt. 14# I.D. 5.012 Set at 2090 Perf. 1972 To 2004
Tubing 1-1/4 Wt. 2.4# I.D. 1.38 Set at 1986 Perf. 1980 To 1986
Gas Pay: From 1963 To 2020 L 1986 xG 0.65 est -GL 1291 Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single-Gas
Date of Completion: 11-16-56 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

RDS = 5626

OBSERVED DATA

Tested Through (None) (Choke) (None) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (<u>None</u>) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI		<u>7 day 32</u>				<u>646</u>		<u>646</u>		
1.		<u>3/4"</u>	<u>123</u>	<u>-</u>		<u>123</u>		<u>123</u>	<u>60</u>	<u>1 Hr.</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>133</u>	<u>1.00</u>	<u>0.9638</u>	<u>1.013</u>	<u>163</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 0.65 est.
P_c 678 psia P_c _____

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>441,577</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 1401 MCFPD; n 0.85
COMPANY STANDARD OIL AND GAS COMPANY
ADDRESS ONE WAY, FARMINGTON, NEW MEXICO
AGENT and TITLE K. E. BERRY, JR. RMTS
WITNESSED _____
COMPANY _____

REMARKS
* CORRECTED COPY TO FORM DATED 11-16-56 CORRECTING WELL NUMBER FROM NO. 2 to PROPER NUMBER, 11-1.



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