

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Picture Cliff County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 5/ 22/ 56
Company E. B. Germany Lease Cutler Well No. 5
Unit 101 Sec. 10 Twp. 24N Rge. 6W Purchaser El Paso Natural Gas Co.
Casing 7.000 Wt. 20.00 I.D. 6.456 Set at 2161 Perf. 2132 To 2158
Tubing 1.315 Wt. 1.63 I.D. 1.000 Set at 2155 Perf. 2132 To 2155
Gas Pay: From 2132 To 2158 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: 4/ 6/ 56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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						540		540		7 day shutin.
1.		3/4"	90			90		90		3 hour.
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.	14.1605		90				1,274.44
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 540 P_c 291.6

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.						.1	283.5		
2.									
3.									
4.									
5.									

Absolute Potential: 1,611.47 MCFPD; n .85

COMPANY E. B. Germany
ADDRESS P. O. Box 2007 Dallas, Texas
AGENT and TITLE H. A. Neely--Production Agent
WITNESSED _____
COMPANY _____

REMARKS

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