

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool El Estero Formation Island Cliffs County El Arriba
Initial _____ Annual _____ Special XX Date of Test 10/26/60
Company Shell Oil Company Lease Hearilla Well No. 5
Unit _____ Sec. 14 Twp. 27N Rge. 3W Purchaser El Estero
Casing 7 1/2" Wt. 25.4 I.D. 6.969 Set at 3715' Perf. 3715' To 3749'
Tubing 2 3/8" Wt. 4.77 I.D. 1.995 Set at 3742' Perf. _____ To _____
Gas Pay: From 3715' To 3749' L 3742 xG .600 -GL 2545 Bar.Press. 12 psia
Producing Thru: Casing _____ Tubing XX Type Well Gas-Test Unit
Date of Completion: 11/11/58 Packer XXX Single-Bradenhead-G. G. or G.O. Dual
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						1125		1175		
1.		0.753	70			77				3 hours
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.	1.000		71	1.000	.939	1.000	1.000
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 1137 P_c 1297.769

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
1.	71	5041	10.022	100.44	1.571	25.255	1247.511	159 W	1.317
2.									
3.									
4.									
5.									

Absolute Potential: _____ MCFPD; n _____

COMPANY _____
ADDRESS _____
AGENT and TITLE _____
WITNESSED _____
COMPANY _____

REMARKS

Original started 10/3/60 633

