

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
Initial N and Annual X Special _____ Date of Test 5-5-56
Company Caswell Silver Lease Jicarilla Tribal 67 Well No. 67-3
Unit NW 1/4 Sec. 19 Twp. 25N Rge. 5W Purchaser El Paso Natural Gas Company
Casing 4 1/2" O.D. 9 1/2 I.D. 4.09 Set at 2616 R.B. Perf. 4 shots/foot 2528 To 2548
Tubing 2 3/8" Wt. 2.4 I.D. 2 Set at 2550 Perf. None To Open Ended
Gas Pay: From 2525 To 2550 L 2500 xG .65 -GL _____ Bar.Press. 12.0
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 4-28-56 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						861		861		
1.		3/4	154		70 ⁰	160		254		3 hours
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.	12.3650		166	.9905	.9608	1.0	1.957
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas .65
Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
F_c _____ (1-e^{-s}) P_c 873 P_c 760

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.						70.7	689.3		.303
2.									
3.									
4.									
5.									

Absolute Potential: 2,124 MCFPD; n .85

COMPANY Caswell Silver
ADDRESS 123 Simms Building
AGENT and TITLE Caswell Silver, Operator
WITNESSED M. J. Florance
COMPANY Independent Operator

REMARKS

OIL COMPANY

RECEIVED

NOV 10 1967

AMERICAN OIL COMPANY

NEW YORK

3

1