

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 X Annual _____ Special _____ Date of Test 11-8-57
Company Tim G. Lowry Lease NM 03381 Well No. PC 220
Unit A Sec. 14 Twp. 26N Rge. 7W Purchaser Southern Union Gas Co.
Casing 4 1/2" OD Wt. 11# I.D. 3.958 Set at 2810 Perf. 2727 To 2802
Tubing 2 3/8 Wt. 4.70 I.D. 1.995 Set at 2802 Perf. _____ To _____
Gas Pay: From 2727 To 2802 L 2802 xG .660 -GL 1849 Bar.Press. 12.00
Producing Thru: Casing _____ Tubing Yes Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-1-57 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~FLOWMETER~~) (Choke) (~~NEEDLE VALVE~~) 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		1 1/4"	2802		142	843		843		7 day SI
1.		3/4"	260		36°	260	36°	55.8		3 hrs.
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.	14.1605	3852	272	1.0239	.9535	1.033	3885
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

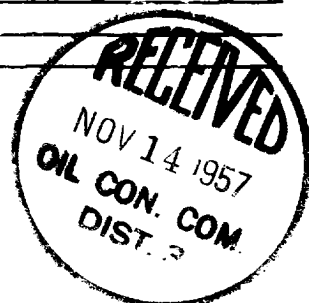
Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c _____ P_c _____

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.						324.9	406.3		.667
2.									
3.									
4.									
5.									

Absolute Potential: 6,037 MCFPD; n .75

COMPANY Tim G. Lowry
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AGENT and TITLE Frank Perry Superintendent
WITNESSED Charles Varquez
COMPANY Caulkins Oil Company

REMARKS



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