

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Sputh Blanco Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 12-7-57
Company Tim G. Lowry Lease NM 03733 Well No. PC 221
Unit D Sec. 13 Twp. 26N Rge. 7W Purchaser Southern Union Gas Company
Casing 5½ Wt. 14 I.D. 5.012 Set at 2800 Perf. 2708 To 2780
Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 2700 Perf. _____ To _____
Gas Pay: From 2703 To 2780 L 2700 xG .660 -GL 1782 Bar.Press. 12.00
Producing Thru: Casing _____ Tubing Yes Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-30-57 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.	
1.		3/4"	282		360	282	360	7 day SI
2.		<u>3/4"</u>	<u>282</u>		<u>360</u>	<u>282</u>	<u>360</u>	<u>3 hours</u>
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>14.1605</u>		<u>294</u>	<u>1.0239</u>	<u>.9535</u>	<u>1.036</u>	<u>4209</u>
2.							
3.							
4.							
5.							

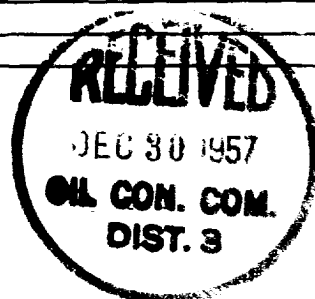
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
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.						<u>458.3</u>	<u>276.1</u>		<u>.789</u>
2.									
3.									
4.									
5.									

Absolute Potential: 8767 MCFPD; n .75
COMPANY Tim G. Lowry
ADDRESS P. O. Box 967 Farmington, New Mexico
AGENT and TITLE Superintendent
WITNESSED Charles Verquer
COMPANY Cavillins Oil Company

REMARKS



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