

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco Formation Picture Cliff County San Juan
Initial X Annual _____ Special _____ Date of Test 8-28-56
Company J. Felix Nickman Lease Malco Well No. 1
Unit NE 1/4 Sec. 16 Twp. 20N Rge. 8W Purchaser _____
Casing 4" Wt. 9# I.D. 4" Set at 2408' Perf. 2342' To 2372'
Tubing _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
Gas Pay: From 2342' To 2372' L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing _____ Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: _____ Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through ~~X~~ (Prover) ~~X~~ (Choke) ~~X~~ (Meter) Type Taps _____

No.	Flow Data			Tubing		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"	106			106		7 Day Shutin
2.								8 Hour.
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		106				1,501.61
2.							
3.							
4.							
5.							

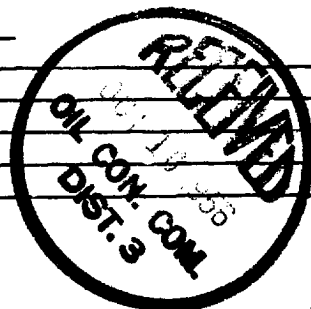
PRESSURE CALCULATIONS

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 655 P_c 429.02

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.						11.54	417.78		
2.									
3.									
4.									
5.									

Absolute Potential: 1,555.52 MCFPD; n. .85
COMPANY Well Production Co.
ADDRESS 1041 Zuni Drive Farmington, New Mexico
AGENT and TITLE H. A. Neely Owner
WITNESSED _____
COMPANY _____

REMARKS



L. A. UTZ
GAS ENGINEER

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