

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool otero Formation Dakota County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 11-23-59
Company Kay Kimbell Lease Warren-Federal Well No. 2-35
Unit 0 Sec. 35 Twp. 25N Rge. 6W Purchaser El Pas Natural Gas Co
Casing 5 1/2 Wt. 15.5 I.D. 5.00 Set at 7040 Perf. 6870 To 7008
Tubing 2 3/8 Wt. 4.7 I.D. 2.00 Set at 6985 Perf. OPEN ended To _____
Gas Pay: From 6870 To 7008 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Date of Completion: 11-23-59 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~Packer~~) (Choke) (~~Motor~~) 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						2110		2176		72 HOURS
1.		.750	489		67	489		1274		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.	12.365		501	.9933	.9571	1.059	62.37
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

as Liquid Hydrocarbon Ratio _____ cf/bbl.
ravity of Liquid Hydrocarbons _____ deg.
c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2188 P_c 4787344

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.						1653796	3133548		
2.									
3.									
4.									
5.									

Absolute Potential: 8744 MCFPD; n, .75

COMPANY _____
ADDRESS Well Production Company
AGENT and TITLE N. A. NEELY, OWNER
WITNESSED 1041 ZUNI DRIVE
COMPANY SARINGTON, NEW MEXICO

REMARKS

1528 .75 1402

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