

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 5-8-61
Company W.H.Hudson Lease Fairfield Well No. 1
Unit A.50 Sec. 14 Twp. 27N Rge. 13W Purchaser El Paso Natural Gas Co.
Casing 4.50 Wt. 11.60 I.D. 4.000 Set at 6143 Perf. 6001 To 6023
Tubing 2 3/8" Wt. 4.7 I.D. 2.000 Set at 6033 Perf. Open Ended. To _____
Gas Pay: From 6001 To 6023 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. _____
Date of Completion: 5-4-61 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

RECEIVED
MAY 18 1961
OIL CON. COM.
DIS. 3

Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
(Prover) (Line) Size	(Choke) (Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
					2182	42	2195		96 Hour Shut in
	.750	896		74	896	74	1828		3 Hour Flow.

FLOW CALCULATIONS

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
12.365		908	.9868	.9721	1.085	11,686

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio _____ cf/bbl.
Viscosity of Liquid Hydrocarbons _____ deg.
(1-e^{-s}) _____
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2207 P_c 4870849

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
					3385600	1485249		

Absolute Potential: 28,478 MCFPD; n .75
COMPANY Well Production Company
ADDRESS 1041 Zuni Drive Farmington, New Mexico
TESTER and TITLE N.A. Neely Tester
WITNESSED Melvin Cornell
COMPANY W.H. Hudson

REMARKS

NOTE: Pressures. Casing Tubing 3.2794 .75 2.4369
8:20 A.M. 2195 2182 Opened well.
8:50 " 1803 856
9:20 " 1810 865
9:50 " 1812 880
10:20 " 1828 896