

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 12 September 1960
Company Aspen Crude Purchasing Co. Lease Federal Well No. 1-5
Unit I Sec. 5 Twp. 31 N Rge. 13 W Purchaser Southern Union Gas Company
Casing 4-1/2 Wt. 11.6 I.D. 4.000 Set at 6820 Perf. 6698 To 6776
Tubing 2" Wt. 4.7 I.D. 1.995 Set at 5700 Perf. -- To --
Gas Pay: From 6698 To 6776 L 6776 μ g est. .65 -GL 4404 Bar. Press. 12.0
Producing Thru: Casing _____ Tubing X Type Well Single - Gas
Date of Completion: 9-3-60 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Orifice)

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. $^{\circ}$ F.	Press. psig	Temp. $^{\circ}$ F.	Press. psig	Temp. $^{\circ}$ F.	
SI						1690		1690		
1.			200		80 ⁰	200	80 ⁰	450		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.	12.363		212	.9813	.9608	1.019	2.518
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 $^{\circ}$ C _____ $(1-e^{-S})$ _____

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c 1702 P_c^2 2896.8

No.	P_w P_t (psia)	P_t^2	$P_c Q$	$(P_c Q)^2$	$\frac{(P_c Q)^2}{(1-e^{-S})}$	P_w^2	$P_c^2 - P_w^2$	Cal. F_w	$\frac{P_w}{P_c}$
1.	212					213.4	2683.4		.320
2.									
3.									
4.									
5.									

Absolute Potential: 3185 MCFPD; n .75
COMPANY Aspen Crude Purchasing Company
ADDRESS P. O. Box 2060, Farmington, New Mexico
AGENT and TITLE Thomas A. Morgan, Production Superintendent
WITNESSED R. L. Bayless
COMPANY _____

REMARKS

STATE OF NEW MEXICO
REVISION COMMISSION
DISTRICT OFFICE
JULY 1953
JULY 1953