

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Ballard Formation P.C. County Rio Arriba
 Partial X Annual Special Date of Test 4/12/56
 Company Continental Petroleum Corp Lease Jicarilla Abcl Well No. 5
 Unit N Sec. 31 Twp. 24N Rge. 4E Purchaser
 Casing 4-1/2 Wt. I.D. Set at 2574 Perf. 2470 To
 Tubing Wt. I.D. Set at Perf. To
 Gas Pay: From 2775 To 2975 L xG .050(5) -GL 1612 Bar. Press. 12
 Producing Thru: Casing X Tubing Type Well Single
 Date of Completion: 4-11-56 Packer Single-Bradenhead-G. G. or G.C. Data
 Reservoir Temp.

OBSERVED DATA

Tested Through (4-1/2") (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.	Press. psig	Temp. °F.	
1.								634		7.00
2.								480	67	5.00
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 @ 14.7 psia
1.			492	.9855	.9608	1.037	3.82
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
 Gravity of Liquid Hydrocarbons deg.
 P_c (1-e^{-s})
 Specific Gravity Separator Gas
 Specific Gravity Flowing Fluid
 P_c 686 P_c 400.000

No.	P _w P _h (psia)	P _c 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 _h	P _h P _c
1.	287.700	82750.09	21.93	480.93	471.184	288.100	62.200	288	288.100
2.									
3.									
4.									
5.									

11,536 MCFPD; n .85

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