

3 OCC Aztec
 1 Occidental
 1 NW Prod
 1 file

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
 Initial X Annual _____ Special _____ Date of Test 12-20-61
 Company Occidental Petroleum Corp. Lease W Well No. 5-6
 Unit K Sec. 6 Twp. 26N Rge. 5W Purchaser _____
 Casing 2 7/8" Wt. 6.50 I.D. _____ Set at 3422 Perf. 3273 To 3328
 Tubing None Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Gas Pay: From 3273 To 3328 L 3273 xG 0.650 -GL 2127 Bar.Press. _____
 Producing Thru: Casing X Tubing _____ Type Well Single-Gas
 Date of Completion: 12-6-61 Packer _____ Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (None) 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.								1096		
2.	2"	3/4"	389		59					3 hrs
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.							
2.							
3.	12.3650		401	1.0010	.9608	1.044	5023
4.							
5.							

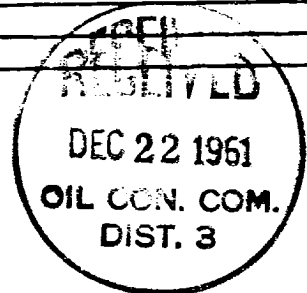
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c 5.551 (1-e^{-s}) .143
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1108 P_c² 1228

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.									
2.									
3.	401	161	27.88	777.4	111	272	956		1.2845
4.									
5.									

Absolute Potential: 6213 MCFPD; n 0.85 1.237
 COMPANY Occidental Petroleum Corporation
 ADDRESS 5000 Stockdale Highway, Bakersfield, California
 AGENT and TITLE T. A. Dugan, Engineer
 WITNESSED Original signed by T. A. Dugan
 COMPANY _____

REMARKS



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

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