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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 Rio Arriba
Initial X Annual _____ Special _____ Date of Test 5-23-58
Company Occidental Lease W Well No. 1-8
Unit N Sec. 8 Twp. 26N Rge. 9W Purchaser _____
Casing 5 1/2 Wt. 15.5 I.D. _____ Set at 7 689 Perf. 5494 To 4944
7-5/8 Wt. 26.40 I.D. _____ Set at 3400 Perf. 7529 To 7441
7670
Tubing 2-3/8 Wt. 4.7 I.D. _____ Set at 7410 Perf. Open ended To _____
Gas Pay: From 7441 To 7670 L 7410 xG 0.65 -GL _____ Bar.Press. _____
Producing Thru: Casing X Gross over sub Tubing X Type Well G.G. Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 4-23-58 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (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.	
SI						0		2428		
1.										
2.		3/4"	101		76					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.	12.3690		113	.9850	.9606	1.010	1336
3.							
4.							
5.							

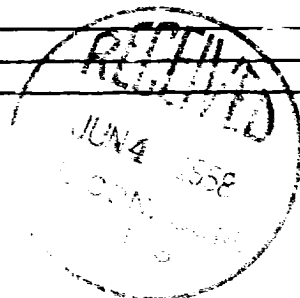
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2440 P_c 5923.6

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.	113	12.769	.930	.64	.085	12.834			
3.			2.438	5.86	.387	13.241			
4.			12.561	157.779	16.567	29.808	5923.8		1.00903
5.									

Absolute Potential: 1342 MCFPD; n .85 1.00425
COMPANY Occidental Petroleum Corp.
ADDRESS Box 167, Gardens, California
AGENT and TITLE T.A. Dugan, Consulting Engineer
WITNESSED Al Kendrick, Clarence Wagner, Charlie Warner
COMPANY _____

REMARKS
7-5/8 x 2-3/8 Fe - 0.5985 1-e^s - .134
5-1/2 x 2-3/8 Fe - 1.812 " - .066
2-3/8 Fe - Fe - 9.402 " - .105



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} = Supercompressibility 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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