

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Dumont Formation Queen County Lea

Initial _____ Annual _____ Special X Date of Test 2-17-61

Company Continental Oil Company Lease SEMU Dumont Well No. 56

Unit L Sec. 14 Twp. 20S Rge. 37E Purchaser E.P.H.C.

Casing 5 1/2 Wt. 14 I.D. 5.012 Set at 3799 Perf. 3548 To 3707

Tubing 2 Wt. 4.7 I.D. 1.995 Set at 3463 Perf. _____ To _____

Gas Pay: From 3548 To 3707 L 3548 xG .673 -GL 2288 Bar.Press. 13.2

Producing Thru: Casing _____ Tubing X Type Well Single

Date of Completion: 6-20-56 Packer None Reservoir Temp. 90°

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps Flange

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						853		853		80
1.	4.000	1.000	608	23.04	73			815		22
2.	4.000	1.000	615	31.81	69			803		22
3.	4.000	1.000	612	62.09	65			775		22
4.	4.000	1.000	619	75.69	67			756		22
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	6.138	119.63		.9877	.9427	1.064	729 728.2
2.	6.138	141.36		.9915	.9427	1.071	889 887.9
3.	6.138	157.03		.9943	.9427	1.073	1,238 1217.1
4.	6.138	215.75		.9933	.9427	1.076	3,352 3345.5
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio None cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

P_c 9.996 $(1-e^{-s})$ 0.002

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 815.8 P_c^2 750.3

No.	P_w ΔP_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	$\frac{P_w}{P_c}$
1.	838.0					853.0	853.0	838.0	.9561
2.	815.0					803.0	803.0	815.0	.9403
3.	775.0		MEASURED			621.0	621.0	775.0	.9100
4.	756.0					556.0	556.0	756.0	.8800
5.									

Absolute Potential: 3400 5800 MCFPD; n 1.10

COMPANY Continental Oil Company

ADDRESS Box 427, Hobbs, N. M.

AGENT and TITLE J. D. Howard, Test Engineer

WITNESSED _____

COMPANY _____

REMARKS

Flow rate reduced due to well outlet valve

13. 100 MCF (3) 1001 FILE