

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Lea Pennsylvanian Formation Bend County Lea
 Initial X Annual _____ Special _____ Date of Test 7-10 & 7-11-62
 Company The Ohio Oil Company Lease Lea Unit Well No. 9
 Unit B Sec. 13 Twp. 20S Rge. 34E Purchaser _____
 Casing 7" Wt. 29 I.D. 6.184 Set at 14,318 Perf. * To _____
 Tubing 2 3/8" Wt. 4.7 I.D. 1.995 Set at 12,789 Perf. Op. Ended To _____
 Gas Pay: From 12.850 To 12.966 L 12,789 xG 0.691 -GL 8837 Bar.Press. 13.2
 Producing Thru: Casing _____ Tubing X Type Well Dual
 Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 7-11-62 Packer 12,787 Reservoir Temp. 180

OBSERVED DATA

Tested Through ~~(Prover)~~ ~~(Clock)~~ (Meter) _____ Type Taps _____

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.	
	(Prover) (Line) Size	(Clock) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.		Press. psig
SI						4291			70'55" S.L.
1.	3"	1.000	850	19	87	2059		3650	22
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.	6,182	128.07	863.2	.9750	.9318	1.090	784
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 8443 cf/bbl. Specific Gravity Separator Gas .691
 Gravity of Liquid Hydrocarbons 47.4 deg. Specific Gravity Flowing Fluid _____
 P_c _____ (1-e^{-s}) P_c _____ P_c _____

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.									
4.									
5.									

Absolute Potential: 1938** MCFPD; n 1.000

COMPANY The Ohio Oil Company

ADDRESS P. O. Box 2107, Hobbs, New Mexico

AGENT and TITLE Robert L. McLean - Assoc. Petr. Engr. *Robert L. McLean*

WITNESSED _____

COMPANY _____

S.I.	Pf & Ps	Pf ² & Ps ²	Pf ² - Ps ²	REMARKS
1.	6705.2	44960	18188	*Csg. Perfs. 12850-856', 12877-882', 12912-916', 12930-936' & 12956-966'. **One Point back pressure test utilizing measured BHP & a slope of 1.000
1.	5174.2	26772		

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MEMBER SERVICE