

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

ONE
MULTI-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 6-6 & 6-7-62
Company The Ohio Oil Company Lease Lea Unit Well No. 8
Unit B Sec. 12 Twp. 20S Rge. 34E Purchaser _____
Casing 5½ Wt. 20# I.D. 4.778 Set at 13790 Perf. * To _____
Tubing 2 3/8 Wt. 4.7# I.D. 1.995 Set at 13032 Perf. Open ended To _____
Gas Pay: From 13005 To 13039 L 13032 xG .610 -GL 7949 Bar.Press. 13.2
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6-7-62 Packer 12843 Reservoir Temp. 162° F.

OBSERVED DATA

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

Flow Data						Tubing Data		Casing Data		Duration of Flow Hr.
No.	(Proven) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						3914				73 S.I.
1.	3"	1.000	900	25	89	903	-	Pkr.	-	24
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	151.09	913.2	.9732	.9918	1.070	965
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 15,929 cf/bbl.
Gravity of Liquid Hydrocarbons 51.3 deg.
P_c (1-e^{-s})

Specific Gravity Separator Gas 0.610
Specific Gravity Flowing Fluid _____
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: 1067** MCFPD; n 1.000COMPANY The Ohio Oil CompanyADDRESS P. O. Box 2107, Hobbs, New MexicoAGENT and TITLE Robert L. McLean - Assoc. Petr. Engr.

WITNESSED _____

COMPANY _____

P _f & P _s	P _f ² & P _s ²	P _f ² - P _s ²
SI 6555.2	42,971	
1. 2024.2	4,097	38,874

REMARKS

*Csg. perfs. 13,005-08 & 13,034-039.

**One point back pressure test utilizing
measured bottom hole pressures and a
slope of 1.000.