

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Boger	Well No. 1	Date 3-24-73
County Barton	Sec. 27 Twp. 17 Rng. 13	Elevation
Company L. G. Stephenson		Test No. 1
Contractor Duke Drlg. Co.		Zone Tested K.C.
Charge To L. G. Stephenson		Ticket No. 1245
Approved By Richard M. Foley		Tester Willie Bowman

Recorder No. **3600** Depth **3115'** Recorder No. **3400** Depth **3188'**

Initial Flow Press. **24** To **24** P.S.I. Initial Flow Period **30** Min.

Initial Shut-in Press. **47** P.S.I. Initial Shut-in **30** Min.

Final Flow Press. **24** To **24** P.S.I. Final Flow Period **30** Min.

Final Shut-in Press. **33** P.S.I. Final Shut-in **30** Min.

Initial Hydro Mud Press. **1770** P.S.I. Final Hydro Mud Press. **1760** P.S.I.

Temperature **100°**

Mud Weight **10** Viscosity **43**

Fluid Loss

Interval Tested **3122** To **3190**

Damage Ratio

DR = $\frac{.183 P_s - P_f}{m}$

Initial

Final

Top Packer Depth **3117**

Surface Choke Size **5/8"**

Bottom Packer Depth

Bottom Choke Size **5/8"**

Total Depth **3190**

Main Hole Size **7 7/8"**

Drill Pipe Size **4 1/2"FH** Wt

Rubber Size **6 3/4"**

Drill Collar I.D. Ft. Run

Blow **Very weak blow, dead in 15 minutes.**

Recovery **5' Mud.**

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

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Lease Boger	Well No. 1	Date 3-24-73
County Barton Sec. 27 Twp. 17 Rng. 13	Elevation	
Company L. G. Stephenson	Test No. 2	
Contractor Duke Drlg. Co.	Zone Tested K.C.	
Charge To L. G. Stephenson	Ticket No. 1246	
Approved By Richard M. Foley	Tester Willie Bowman	

Recorder No. **3600** Depth **3173'** Recorder No. **3400** Depth **3210'**

Initial Flow Press. **37** To **37** P.S.I. Initial Flow Period **30** Min.

Initial Shut-in Press. **47** P.S.I. Initial Shut-in **45** Min.

Final Flow Press. **37** To **37** P.S.I. Final Flow Period **30** Min.

Final Shut-in Press. **37** P.S.I. Final Shut-in **45** Min.

Initial Hydro Mud Press. **1816** P.S.I. Final Hydro Mud Press. **1806** P.S.I.

Temperature **100°**

Mud Weight **10** Viscosity **41**

Fluid Loss

Interval Tested **3183** To **3210**

Damage Ratio

DR = $\frac{.183 \text{ Ps} - \text{Pf}}{\text{m}}$

Initial

Final

Top Packer Depth **3178** Surface Choke Size **5/8"**

Bottom Packer Depth Bottom Choke Size **5/8"**

Total Depth **3210** Main Hole Size **7 7/8"**

Drill Pipe Size **4 1/2"FH** Wt Rubber Size **6 3/4"**

Drill Collar I.D. Ft. Run

Blow **Very weak blow, dead in 30 minutes.**

Recovery **5' Gas cut mud.**

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Boger	Well No. 1	Date 3-25-73
County Barton Sec. 27 Twp. 17 Rng. 13	Elevation	
Company L. G. Stephenson	Test No. 3	
Contractor Duke Drlg. Co.	Zone Tested Arb.	
Charge To L. G. Stephenson	Ticket No. 1247	
Approved By Richard M. Foley	Tester Willie Bowman	

Recorder No. **3600** Depth **3344'** Recorder No. **3400** Depth **3368'**

Initial Flow Press. **92** To **322** P.S.I. Initial Flow Period **30** Min.

Initial Shut-in Press. **910** P.S.I. Initial Shut-in **45** Min.

Final Flow Press. **345** To **722** P.S.I. Final Flow Period **210** Min.

Final Shut-in Press. **843** P.S.I. Final Shut-in **45** Min.

Initial Hydro Mud Press. **1862** P.S.I. Final Hydro Mud Press. **1860** P.S.I.

Temperature **109°**

Mud Weight **10** Viscosity **38**

Fluid Loss

Interval Tested **3354** To **3370**

Damage Ratio

DR = $\frac{.183 \text{ Ps} - \text{Pf}}{\text{m}}$

Initial

Final

Top Packer Depth **3354** Surface Choke Size **5/8"**

Bottom Packer Depth Bottom Choke Size **5/8"**

Total Depth **3370** Main Hole Size **7 7/8"**

Drill Pipe Size **4 1/2"FH** Wt Rubber Size **6 3/4"**

Drill Collar I.D. Ft. Run

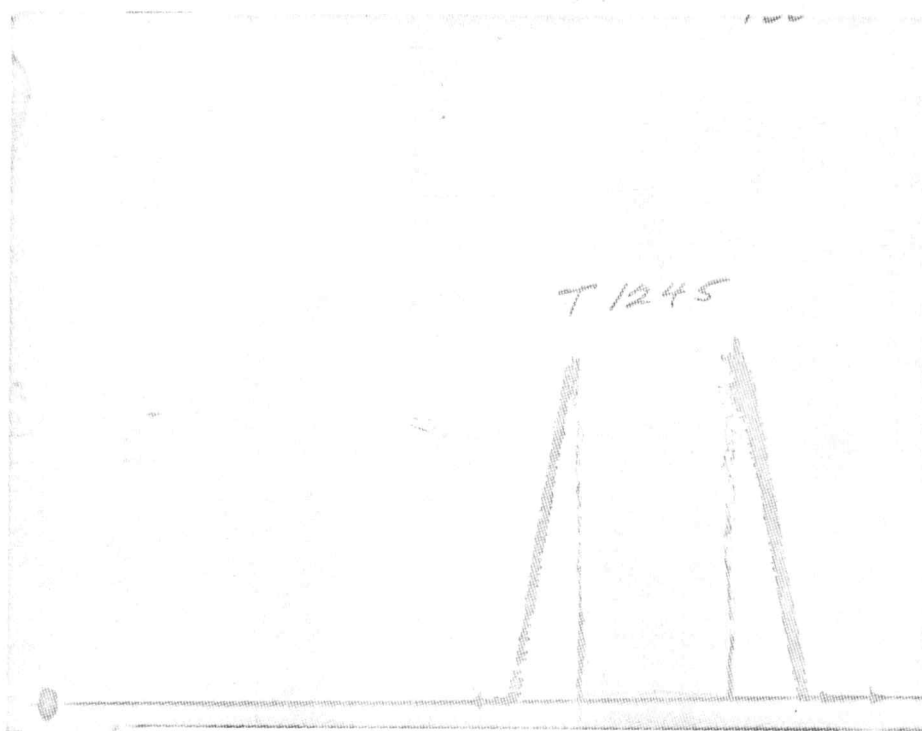
Blow **Strong blow throughout test.**

Recovery **2000' Clean gassy oil.**

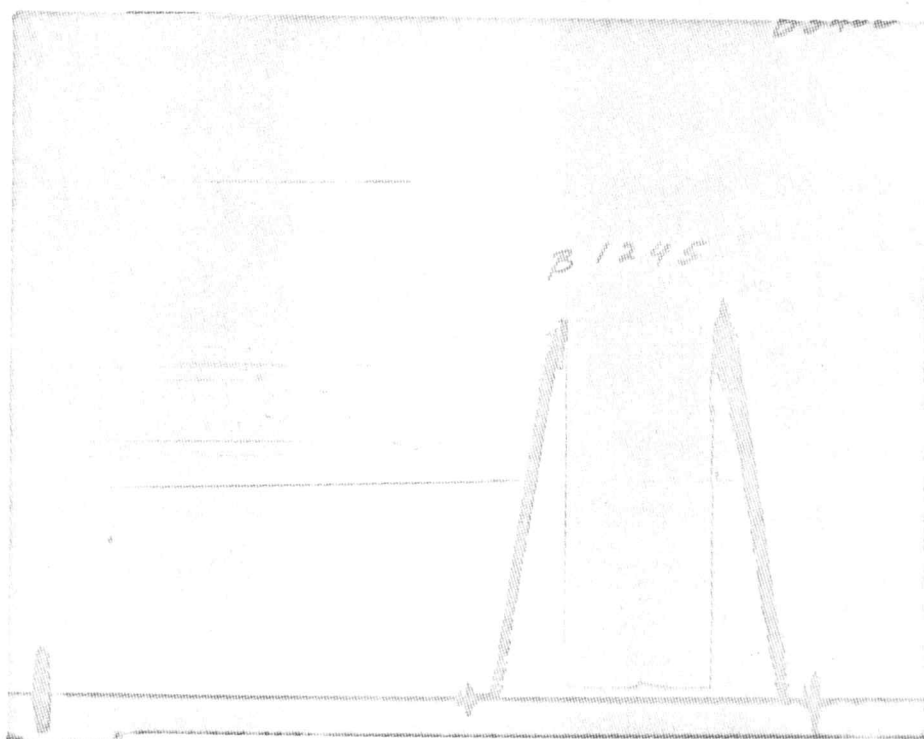
38 Grv.

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

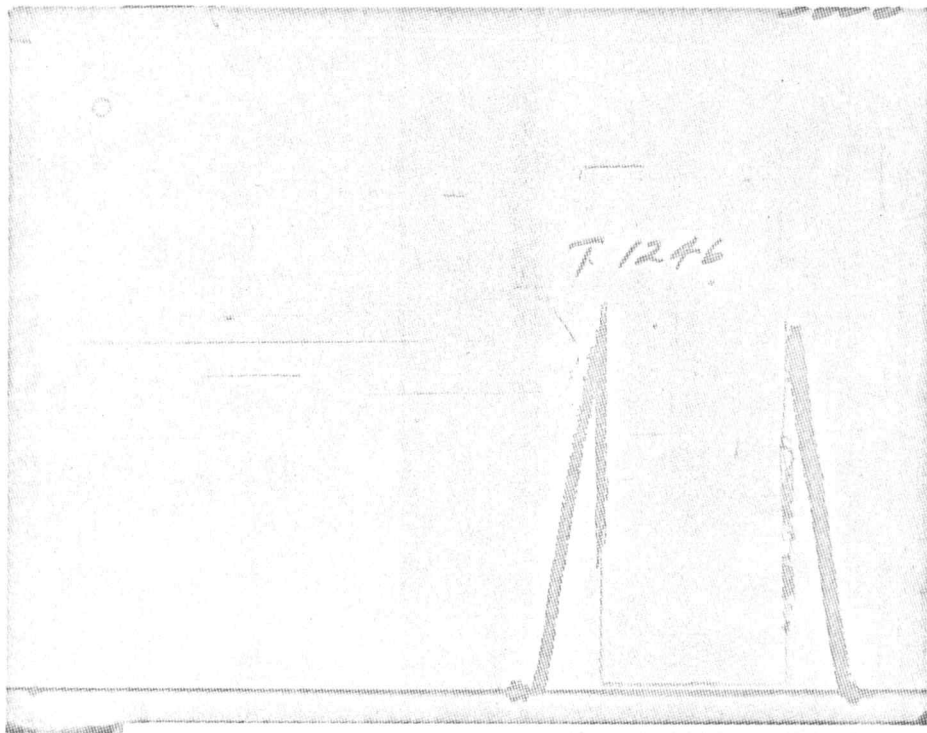
TOP



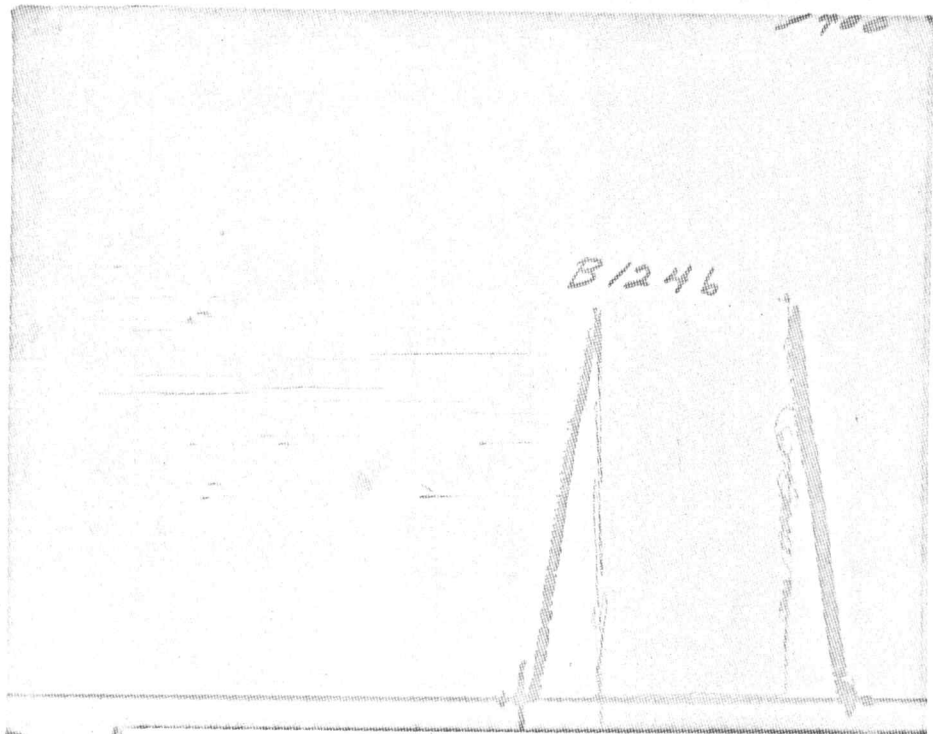
BOTTOM



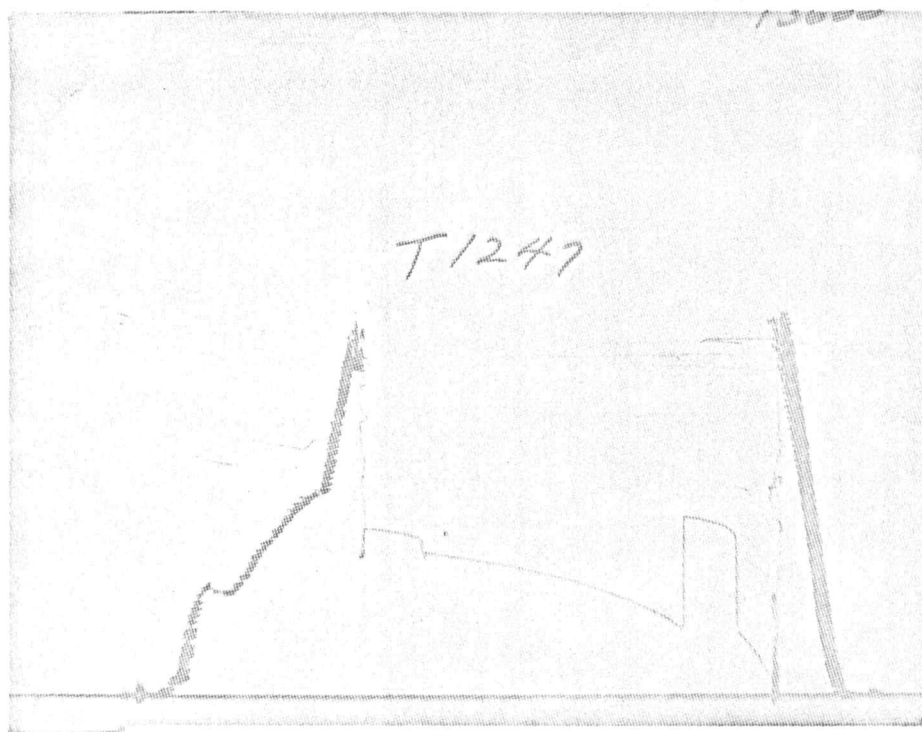
TOP



BOTTOM



TOP



BOTTOM

