Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2525

P.O. Box 169 Great Bend, Kansas 67530

24-31S-4W E2-NW

Lease Rayne Well No. 1	Date 6-26-27
County Sumner Sec. 24 Twp. 31 Rng. 4	Elevation 1350
Company C. W. Sanders	Test No. 2 ✓
Contractor D. N. B. #3	Zone Tested Severy
Charge To C. W. Sanders	Time Tool Opened 10:28 A.M. P.M.
Approved By L. E. Carter	Tester Roy Bowman

Initial Hydro Mud Press. 1302 P.S.I.

Initial Flow Press. 32 To 17 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 10 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 12 To 10 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 10 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1297 P.S.I.

Temperature —

Mud Weight 9.5 Viscosity 48

Fluid Loss 10%

Interval Tested 2340 To 2386

Price Job	$320.00
Other Charges	
Straddle Test	125.00
Total	$555.00

Top Packer Depth 2340 Surface Choke Size —

Bottom Packer Depth 2386 Bottom Choke Size 5/8

Total Depth 2617 Main Hole Size 7 7/8

Drill Pipe Size — Wt — Rubber Size 6 3/4

Drill Collar I.D. — Ft. Run —

Blow VERY WEAK, dead 1 min. into F.F.

Recovery NO RECOVERY

Remarks

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2524

P.O. Box 169 Great Bend, Kansas 67530

24-31S-4W E2-NW

Lease Rayne Well No. 1	Date 6-26-77
County Sumner Sec. 24 Twp. 31 Rng. 4	Elevation 1320
Company C.W. Sanders	Test No. 1
Contractor D-N-B #3	Zone Tested Elgin Sand
Charge To C.W. Sanders	Time Tool Opened 2:45 A.M. P.M.
Approved By L.E. Carter	Tester Roy Bowden-OK

Initial Hydro Mud Press. 1514 P.S.I.

Initial Flow Press. 126 To 656 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 1174 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 721 To 960 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 1163 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1493 P.S.I.

Temperature 110

Mud Weight 9.5 Viscosity 48

Fluid Loss 10%

Interval Tested 2573 To 2617

Price Job	$ 300.00
Other Charges	
Total	

Top Packer Depth 2568 Surface Choke Size

Bottom Packer Depth 2573 Bottom Choke Size 5/8

Total Depth 2617 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Strong throughout test

Recovery 244' muddy water
1,553' water
1797' Fluid

Remarks

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2526

P.O. Box 169 Great Bend, Kansas 67530

24-31S-4W E2-NW

Lease RAYNE Well No. 1	Date 6-27-77
County SUMNER Sec. 24 Twp. 31 Rng. 4	Elevation 1250
Company C W SAUNDERS	Test No. 3
Contractor D.N.B. #3	Zone Tested TORONTO LANSING UPPER DOUGLAS
Charge To C W SAUNDERS	Time Tool Opened 10:10 A.M. P.M.
Approved By L.E. Carter	Tester Roy Roman

Initial Hydro Mud Press. 1625 P.S.I.

Initial Flow Press. 120 To 197 P.S.I. Initial Flow Period 20 Min.

Initial Shut-in Press. 1302 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 241 To 569 P.S.I. Final Flow Period 90 Min.

Final Shut-in Press. 1270 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 1660 P.S.I.

Temperature 113

Mud Weight 9.9 Viscosity 40

Fluid Loss 14.4

Interval Tested 2274 To 2250

Price Job	380.00
Other Charges	
Total	

Top Packer Depth 2269 Surface Choke Size

Bottom Packer Depth 2274 Bottom Choke Size 5/8

Total Depth 2250 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 4 3/4

Drill Collar I.D. Ft. Run

Blow good built to strong in 5 min into

2 FP

Recovery 1084' muddy water

Remarks

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2527

P.O. Box 169 Great Bend, Kansas 67530

24-31S-4E-NW

Lease RAYNE Well No. 1	Date 6-20-77
County SUMNER Sec. 24 Twp. 31 Rng. 4	Elevation 1350
Company C. W. SANDERS	Test No. 4
Contractor DNB #3	Zone Tested Douglas Sand
Charge To C.W. Sanders	Time Tool Opened 6:25 A.M. P.M.
Approved By L.E. Carter	Tester Roy Bowman - OWU

Initial Hydro Mud Press. 1771 P.S.I.

Initial Flow Press. 76 To 76 P.S.I. Initial Flow Period 15 Min.

Initial Shut-in Press. 78 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 78 To 78 P.S.I. Final Flow Period 15 Min.

Final Shut-in Press. 78 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1752 P.S.I.

Temperature 111°

Mud Weight 10# Viscosity 44

Fluid Loss 14.4

Interval Tested 2950 To 3035

Price Job	$320.00
Other Charges	
Total	

Top Packer Depth 2945 Surface Choke Size

Bottom Packer Depth 2950 Bottom Choke Size 5/8

Total Depth 3035 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very WEAK, dead 2 min into TEST

Recovery 10' Drlg Mud

Remarks

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2528

P.O. Box 169 Great Bend, Kansas 67530

24-31-4W

Lease RAYNE Well No. 1	Date 6-30-77
County SUMNER Sec. 24 Twp. 31 Rng. 4W	Elevation 1350
Company C.W. SAUDERS	Test No. 5
Contractor DNB #3	Zone Tested Wastefield LM of KC group
Charge To C.W. SAUDERS	Time Tool Opened 3:05 A.M. P.M.
Approved By L.E. Carter	Tester Roy Bowman 012

Initial Hydro Mud Press. 2016 P.S.I.

Initial Flow Press. 65 To 131 P.S.I. Initial Flow Period 20 Min.

Initial Shut-in Press. 1259 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 164 To 219 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 1255 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 1989 P.S.I.

Temperature 122°

Mud Weight 10# Viscosity 47

Fluid Loss 8cc

Interval Tested 3397 To 3427

Price Job	$ 380.00
Other Charges	
Total	

Top Packer Depth 3392 Surface Choke Size

Bottom Packer Depth 3397 Bottom Choke Size 5/8

Total Depth 3427 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow good building to strong 10 min into I-F.P. Blow stabilized 25 min into F.F.P. Had

This Oil Skim on Top of saved sample

Recovery 387' muddy WATER

Remarks

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2529

P.O. Box 169 Great Bend, Kansas 67530

Lease Rayne Well No. 1	Date 7-1-77
County Sumner Sec. 24 Twp. 33 Rng. 4	Elevation 1350
Company C. W. Sanders	Test No. 6
Contractor DNB #3	Zone Tested KC. Swope-Lwr
Charge To C. W. Sanders	Time Tool Opened 3:25 A.M. P.M.
Approved By L. E. Carter	Tester Roy Braman-912

Initial Hydro Mud Press. 2080 P.S.I.

Initial Flow Press. 21 To 43 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 1302 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 54 To 65 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 1280 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 2050 P.S.I.

Temperature —

Mud Weight 9# Viscosity 47

Fluid Loss 12.4

Interval Tested 3496 To 3518

Price Job	$380.00
Other Charges	
Steeddle	$175.00
Total	$555.00

Top Packer Depth 3496 Surface Choke Size

Bottom Packer Depth 3518 Bottom Choke Size 5/8

Total Depth 3613 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Weak, dead 22 min. into FFP.

Recovery 72' [redacted] TOTAL FLUID

10' Oil specked watery Mud.

62' Slightly Oil specked watery Mud

Remarks Tool on top of test.

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Sun Oil Well Cementing, Inc. DRILL-STEM TEST TICKET № 2530

P.O. Box 169 Great Bend, Kansas 67530

Lease Rayne Well No. 1	Date 7.1.27
County Sumner Sec. 24 Twp. 13 Rng. 4	Elevation 1350
Company C.W. Saunders	Test No. 2
Contractor D N D #3	Zone Tested K.C.
Charge To C.W. Saunders	Time Tool Opened 9:15 A.M. / P.M.
Approved By L.E. Carter	Tester Roy Bowman

Initial Hydro Mud Press. 2122 P.S.I.

Initial Flow Press. 92 To 197 P.S.I. Initial Flow Period 20 Min.

Initial Shut-in Press. 1365 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 241 To 350 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 1355 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 2073 P.S.I.

Temperature 120°

Mud Weight 10# Viscosity 52

Fluid Loss 10cc

Interval Tested 3535 To 3613

Price Job	$300.00
Other Charges	
Total	

Top Packer Depth 3530 Surface Choke Size

Bottom Packer Depth 3535 Bottom Choke Size 5/8

Total Depth 3613 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow good build up to strong 10 min into
Tool Pkr equalized 22 min into F.F.P

Recovery 620' slightly oil specked mud cut
water

Remarks

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