

REC'D OCT 12 1974



Sun OILWELL CEMENTING, INC.

POST OFFICE BOX 169

GREAT BEND, KANSAS 67530

DRILL STEM TEST REPORT

LEASE Gilkeson WELL NO. 1

SEC. 10 TWP. 16 RNG. 7

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Gilkeson	Well No.	1	Date	9/26/74
County	Ellsworth	Sec.	10	Twp.	16
				Rng.	7
Company	Glen Rupe			Test No.	1
Contractor	Red Tiger Drlg.			Zone Tested	
Charge To	Glen Rupe			#1745	015
Approved By	Clement			Tester	Willie Bowman

Recorder No. 3600 Clock Range 12 Recorder No. 3400 Clock Range 12

Depth 976 Depth 978

Initial Hydro Mud Press. 450 P.S.I.

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

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

53 53 P.S.I. Final Flow Period 30 Min.

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

188 P.S.I. Final Shut-in 30 Min.

Final Shut-in Press. 448 P.S.I.

Final Hydro Mud Press. 77 P.S.I.

Temperature 31

Mud Weight Viscosity

Fluid Loss

Interval Tested 912 To 980

Top Packer Depth 912 Surface Choke Size

Bottom Packer Depth Bottom Choke Size 5/8

Total Depth 980 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very Weak Blow Dead In 15 Min.

Recovery 20' Mud

Damage Ratio

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

Initial

Final

P.O. Box 169

Gr

Bend, Kansas 67530

Lease <u>GILKESON</u>	Well No. <u>1</u>	Date <u>9-26-74</u>
County <u>ELLISWORTH</u>	Sec. <u>10</u> Twp. <u>16</u> Rng. <u>7</u>	Elevation
Company <u>GLEN RUPE</u>		Test No. <u>1</u>
Contractor <u>RED TIGER DRILLS #3</u>		Zone Tested
Charge To <u>GLEN RUPE</u>		<u>015</u>
Approved By <u>W. G. Clement</u>		Tester <u>W. H. Bowman</u>

Recorder No. 3600 Clock Range 12 Recorder No. 3400 Clock Range 2Depth 976 Depth 978Initial Hydro Mud Press. 456 P.S.I. 262-3748Initial Flow Press. — To — P.S.I. Initial Flow Period — Min.Initial Shut-in Press. — P.S.I. Initial Shut-in — Min.Final Flow Press. 41 To 41 P.S.I. Final Flow Period 30 Min.Final Shut-in Press. 167 P.S.I. Final Shut-in 30 Min.Final Hydro Mud Press. 450 P.S.I.Temperature 77Mud Weight — Viscosity 31Fluid Loss —Interval Tested 912 To 980Top Packer Depth 912 Surface Choke Size —Bottom Packer Depth — Bottom Choke Size 5/8Total Depth 980 Main Hole Size 7 7/8Drill Pipe Size 4 1/2 X 4 Wt 4 1/2 FH Rubber Size 6 3/4Drill Collar I.D. — Ft. Run —Blow VERY WEAK BLOW DEAD IN 15 MIN.Recovery 20' mud

Bot #1 912-980 30-30

Very weak blow dead in 15".

Remarks Rec. 20' mud was good. No order.

HF 41 * F31167

Sun Oilwell Cementing, Inc. shall not be liable for damages of any kind to the property or the personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Gilkeson	Well No. 1	Date 9/26/74
County Ellsworth Sec. 10	Twp. 16 Rng. 7	Elevation
Company Glen Rupe		Test No. 2
Contractor Red Tiger Drlg.		Zone Tested
Charge To Glen Rupe		# 1746 015)
Approved By Clement		Tester Willie Bowman

Recorder No. 3600 Clock Range 12 Recorder No. 3400 Clock Range 12

Depth 1091 Depth 1093

Initial Hydro Mud Press. 576 P.S.I.

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

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

Final Flow Press. 20 To 23 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 101 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 576 P.S.I.

Temperature 80

Mud Weight Viscosity 37

Fluid Loss

Interval Tested 1077 To 1095

Top Packer Depth 1077

Surface Choke Size

Bottom Packer Depth Bottom Choke Size 5/8

Total Depth 1095 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very Weak Blow Dead In 25 Min.

Recovery 10' Mud

Flushed Tool

Damage Ratio

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

Initial

Final

P.O. Box 169

Gr Tend, Kansas 67530

316-262-3748

Lease <u>GILKESON</u>	Well No. <u>1</u>	Date <u>9-26-74</u>
County <u>ELLSWORTH</u>	Sec. <u>10</u> Twp. <u>16</u> Rng. <u>7</u>	Elevation
Company <u>GLEN RUPE</u>		Test No. <u>1</u>
Contractor <u>RED TIGER D#19 #3</u>		Zone Tested
Charge To <u>GLEN RUPE</u>		
Approved By <u>W.D. Chenn</u>		Tester <u>W.H. Bauman</u>

Recorder No. 3600 Clock Range 13 Recorder No. 3400 Clock Range 13Depth 1091 Depth 1093Initial Hydro Mud Press. 598 P.S.I.

Initial Flow Press. _____ To _____ P.S.I. Initial Flow Period _____ Min.

Initial Shut-in Press. _____ P.S.I. Initial Shut-in _____ Min.

Final Flow Press. 24 To 28 P.S.I. Final Flow Period _____ Min.Final Shut-in Press. 95 P.S.I. Final Shut-in 31 Min.Final Hydro Mud Press. 598 P.S.I.Temperature 80Mud Weight _____ Viscosity 37

Fluid Loss _____

Interval Tested 1077 To 1095

Total

Top Packer Depth 1077 Surface Choke Size _____Bottom Packer Depth _____ Bottom Choke Size 578Total Depth 1095 Main Hole Size 7 3/8Drill Pipe Size 4 1/2 X 14 Wt 44.5 FH Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow KELLY WALK BLOW DEAD IN 25 MIN (FLUSH TOOL)Recovery 10' mud Towards _____

DIT #2 1077-1095 30-30

Very wk blow ^{10 min.} die flue tool v. wkRemarks blow die in 15 min. - IP 24 T-54 95# Temp 80°

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Gilkeson	Well No.	1	Date	9/28/74
County	Ellsworth	Sec.	10	Twp.	16
				Rng.	7
Company	Glen Rupe			Test No.	3
Contractor	Red Tiger			Zone Tested	
Charge To	Glen Rupe			#1747	015
Approved By	Clement			Tester	Willie Bowman

Recorder No. 3600 Clock Range 12 Recorder No. 3400 Clock Range 12

Depth 1789 Depth 1791

Initial Hydro Mud Press. 960 P.S.I.

Initial Flow Press. 70 To 214 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 647 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 250 To 389 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 638 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 958 P.S.I.

Temperature 87

Mud Weight 10.6 Viscosity 45

Fluid Loss

Interval Tested 1762 To 1793

Top Packer Depth 1762

Bottom Packer Depth

Total Depth 1793

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Good Blow Thru-Out Test

Recovery Gas To Surface In 55 Min. T.S.T.M.

780' Muddy To Clear Water

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

Initial

Final

P.O. Box 169

Gr. Bend, Kansas 67530

Lease <u>GILKESON</u>	Well No. <u>1</u>	Date <u>9-28-74</u>
County <u>ELLIS</u> Sec. <u>10</u> Twp. <u>16</u> Rng. <u>7</u>	Elevation	
Company <u>GLEN RUPE</u>	Test No. <u>3</u>	
Contractor <u>RED TIGER DRILLING #3</u>	Zone Tested	
Charge To <u>GLEN RUPE</u>		
Approved By <u>J. G. Clement</u>	Tester <u>Willie Rawlin</u>	

Recorder No. 3600 Clock Range 12 Recorder No. 3400 Clock Range 12Depth 1789 Depth 1791Initial Hydro Mud Press. 959 P.S.I.Initial Flow Press. 57 To 219 P.S.I. Initial Flow Period 30 Min.Initial Shut-in Press. 672 P.S.I. Initial Shut-in 30 Min.Final Flow Press. 257 To 391 P.S.I. Final Flow Period 30 Min.Final Shut-in Press. 653 P.S.I. Final Shut-in 30 Min.Final Hydro Mud Press. 950 P.S.I. Price JobTemperature 87 Other ChargesMud Weight 10.6 Viscosity 45Fluid Loss 8Interval Tested 1762 To 1793 TotalTop Packer Depth 1762 Surface Choke SizeBottom Packer Depth Bottom Choke Size 51/8Total Depth 1793 Main Hole Size 7 7/8Drill Pipe Size 4 1/2 X 4 Wt 4 1/2 PM Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow GOOD BLOW TO RUN-OUT TESTRecovery GAST. SURFACE IN 55 MIN. T.S.T.M.780' MUD IN TO CLEAR WATERDIT #3 1762-1793 30-30-30-30Remarks Immediate Stagn. blow - GTS 15 55 min TSTM 780'Run 780' waterEP 672 IP 57-219 RP 257-391

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EP 653

1 Gilkinson

DST # 3 1762-1793 30-30-30-30

Immediate strong blow - GTS in 55 min - TSTM

Re. 780 feet water - muddy at top.

July 672 IFP 57-219 F0 257-311 EIR 653 Temp 87°

E. log top, measured from KB @ 1551

✓ Hermiton 954 (+597)

✓ Winfield 1005 (+546)

✓ Towanda 1078 (+473)

Wrexford 1263 (+253)

✓ Cottonwood 1435 (+116)

✓ Neva 1461 (+90)

✓ Red Eagle 1547 (+4)

✓ Foraker 1575 (-24)

✓ Aspinwall 1684 (-133)

✓ Brownsville 1718 (-167)

✓ Grant Haven 1761 (-210)

Sandston 1764 (-215)

✓ Dover 1294 (-233)

✓ Tankis 1854 (-303)

RTD 1900 LTD 1901

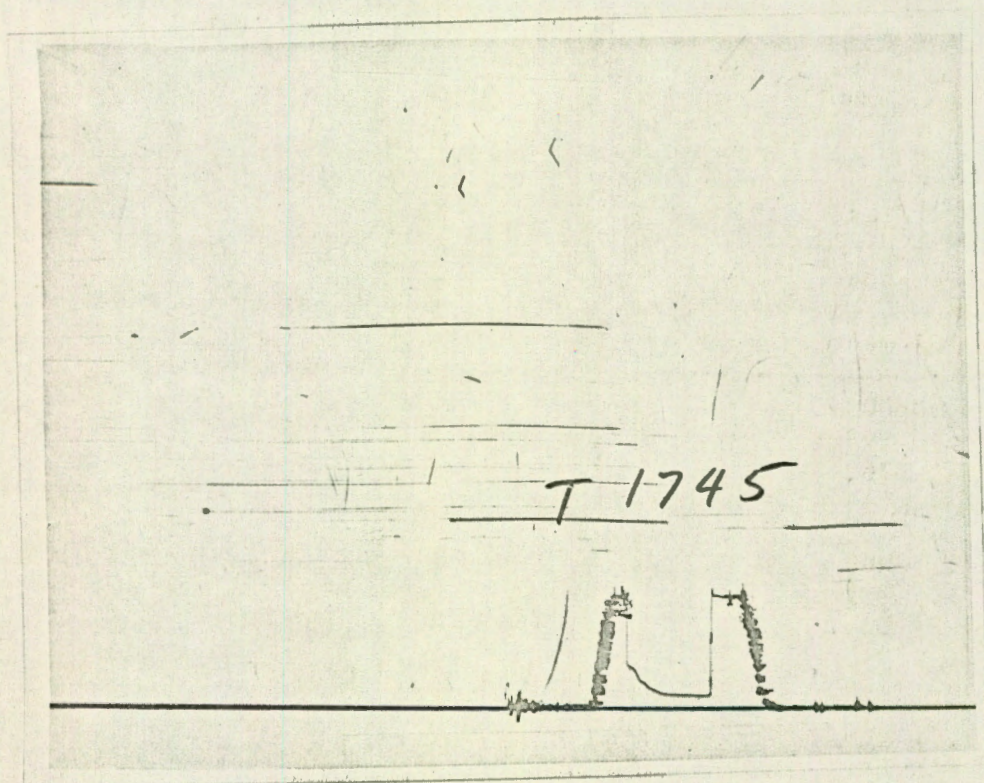
D&A 9-29-74

Beil
coiled
NN 9:00 am
9/30/74

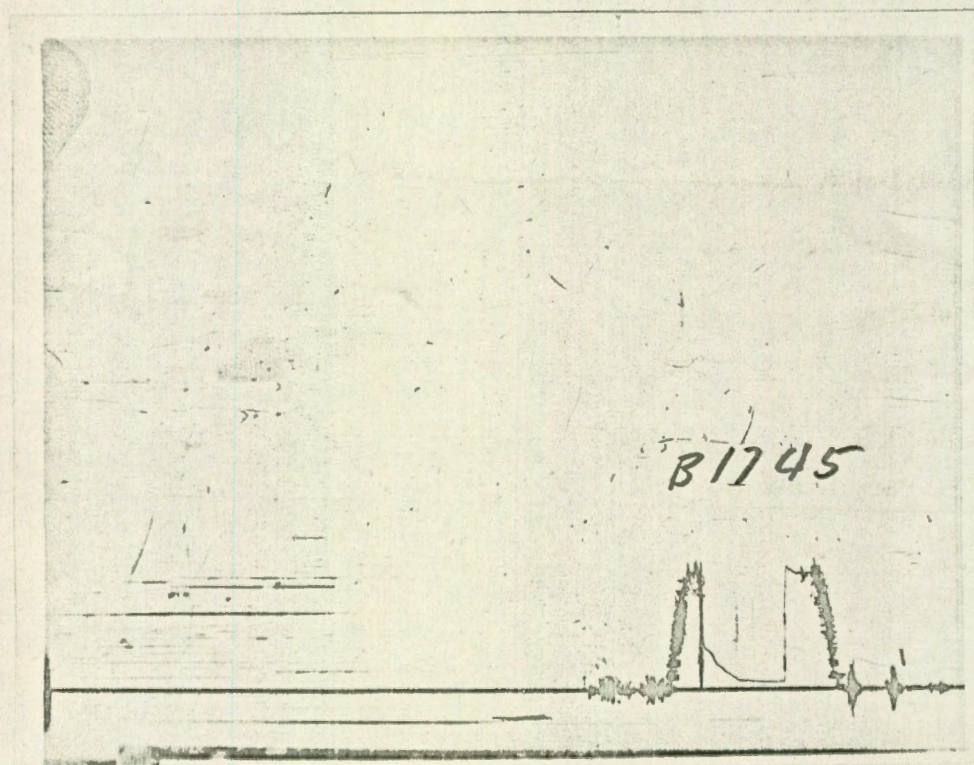
- 22 feet low to ^{#1} Kank
33 feet low to #1 Vonder

Unrec'd
11/10/14

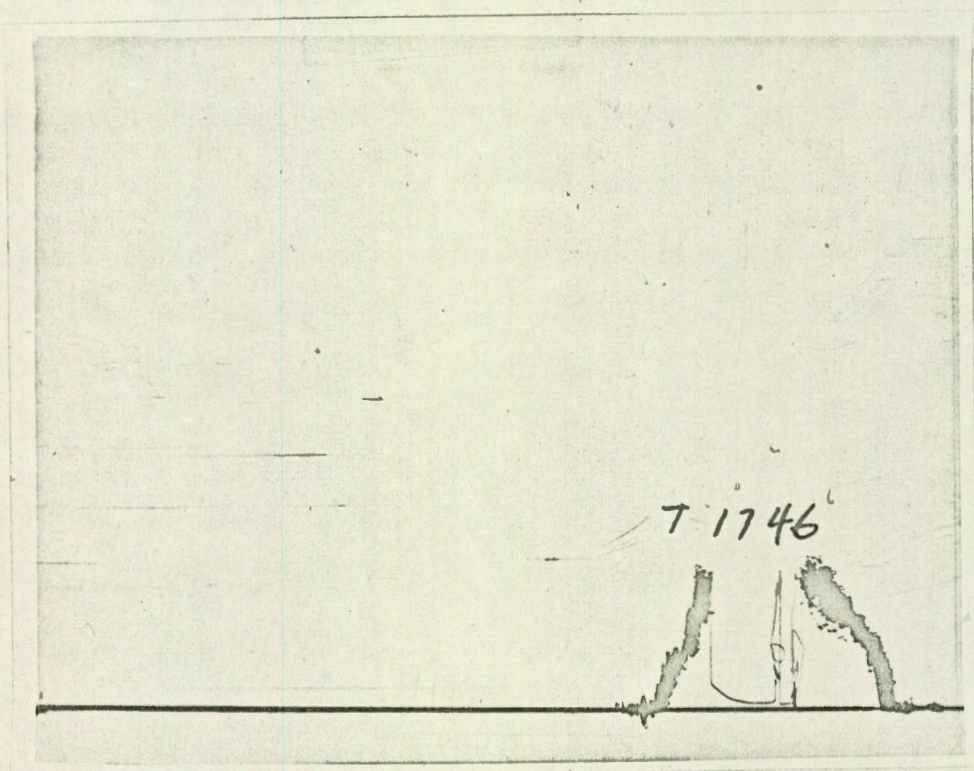
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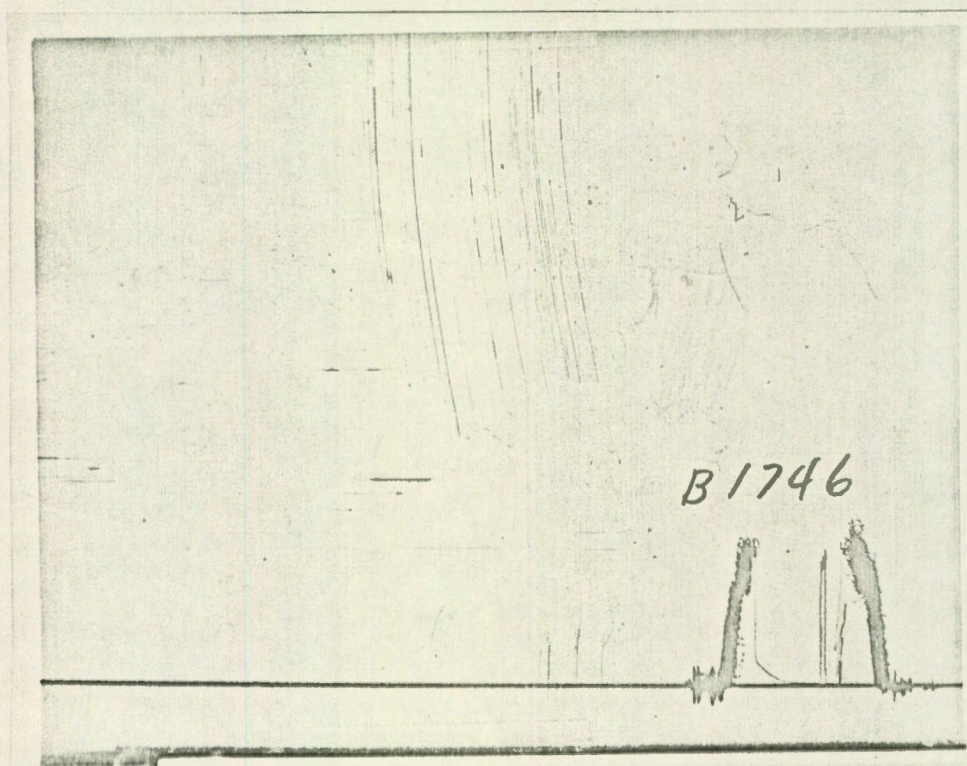
Bottom



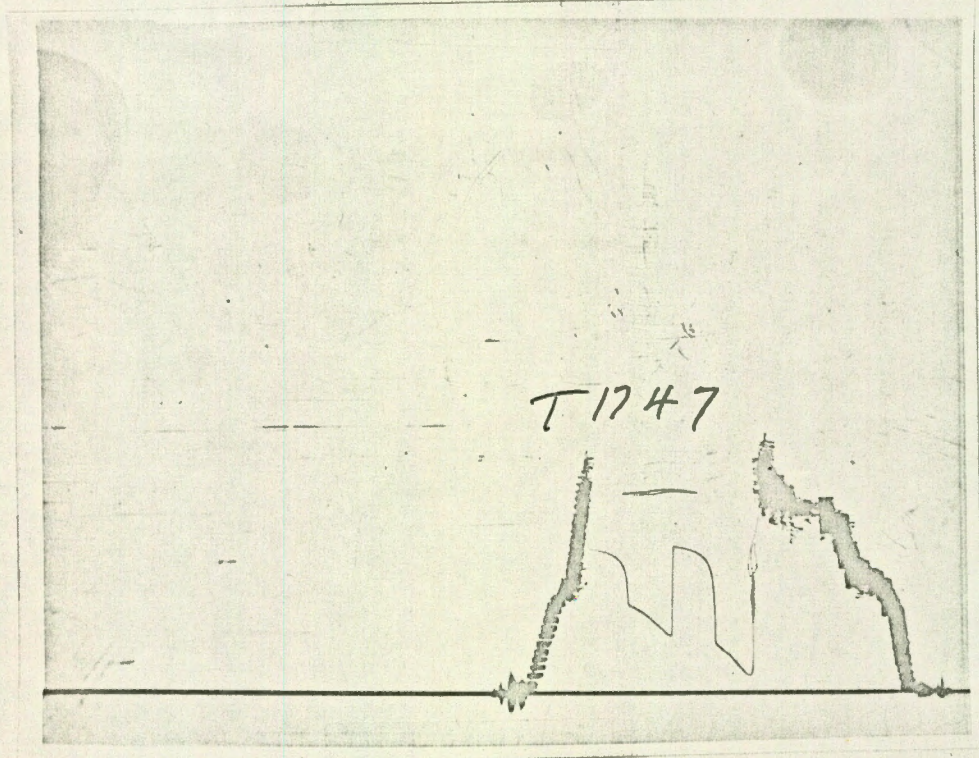
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Top



Bottom

