

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Routledge	Well No.	1	Date	10/1/74
County	Barton	Sec.	33	Twp.	17S Rng. 11W
Company	L.G. Stephenson			Test No.	1
Contractor	Red Tiger			Zone Tested	K.C.
Charge To	L.G. Stephenson			#1748	015
Approved By	Hammond			Tester	Willie Bowman

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

Depth 3028 Depth 3030

Initial Hydro Mud Press. 1629 P.S.I.

Initial Flow Press. 60 To 64 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 760 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 76 To 132 P.S.I. Final Flow Period 180 Min.

Final Shut-in Press. 748 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 1620 P.S.I.

Temperature 105

Mud Weight 9.9 Viscosity 38

Fluid Loss

Interval Tested 2990 To 3032

Damage Ratio

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

Initial

Final

Top Packer Depth 2995 Surface Choke Size

Bottom Packer Depth 2990 Bottom Choke Size 5/8

Total Depth 3032 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

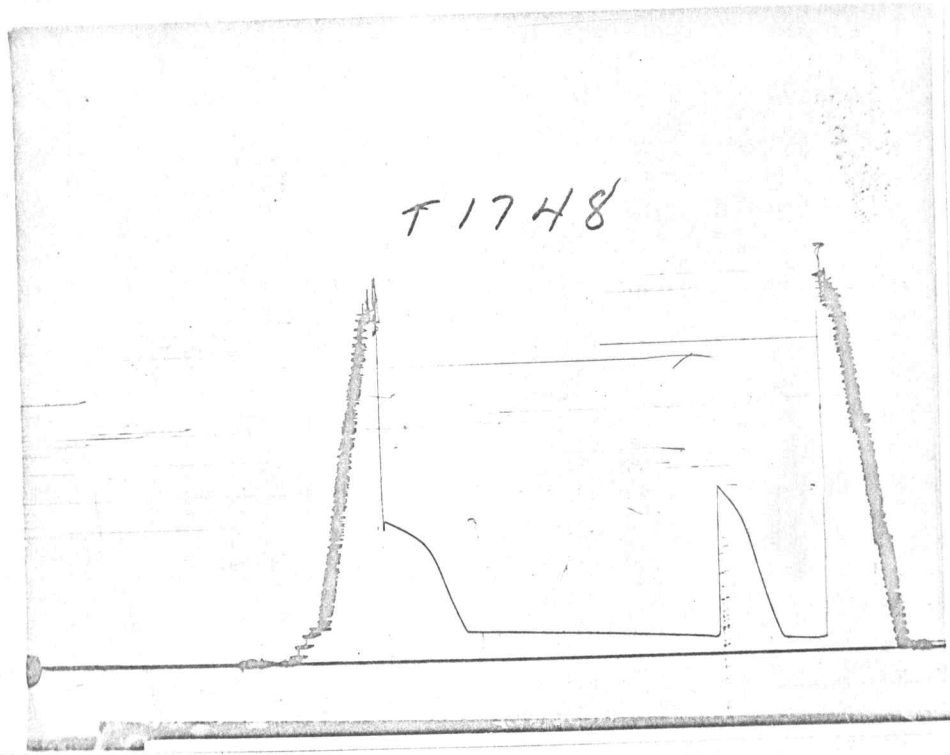
Blow Strong Thru-Out Test

Recovery Gas To Surface In 3 Min. T.S.T.M.

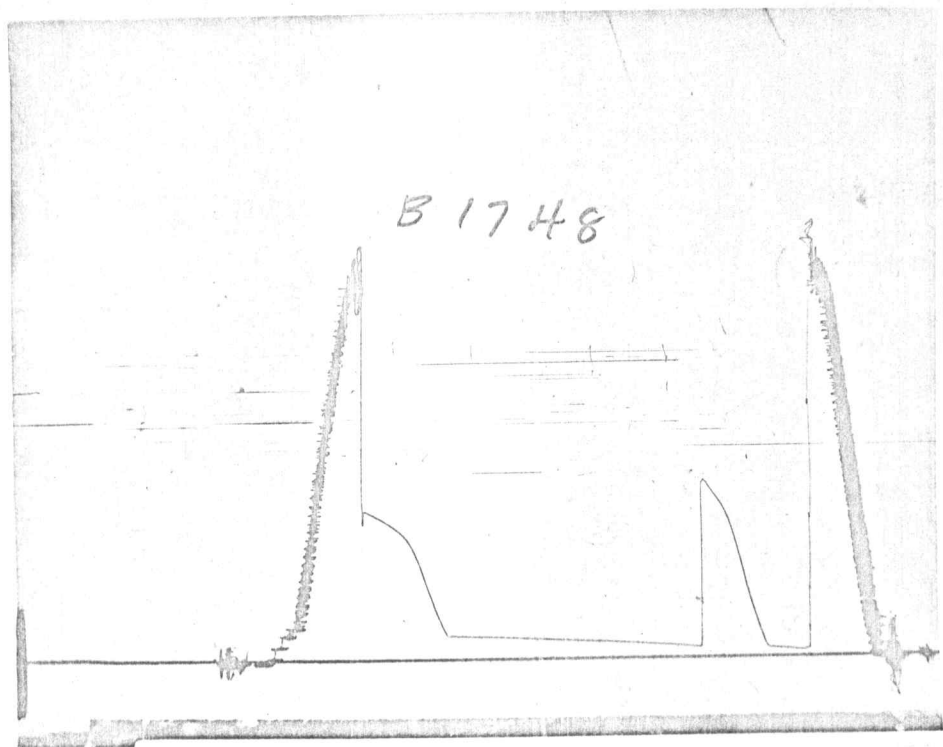
20' Sli. Oil & Gas Cut Mud 60' Hvy. Oil & Gas Cut Mud

60' Muddy Gassy Oil 120' Clean Gassy Oil

Top



Bottom



Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Routledge	Well No. 1	Date 10/2/74
County Barton	Sec. 33 Twp. 17S Rng. 11W	Elevation
Company L.G. Stephenson		Test No. 2
Contractor Red Tiger		Zone Tested K.C.
Charge To L.G. Stephenson		#1749 015
Approved By Hammond		Tester Willie Bowman

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

Depth 3069 Depth 3071

Initial Hydro Mud Press. 1650 P.S.I.

Initial Flow Press. 97 To 138 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 322 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 166 To 274 P.S.I. Final Flow Period 180 Min.

Final Shut-in Press. 332 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 1649 P.S.I.

Temperature 109

Mud Weight 9.2 Viscosity 40

Fluid Loss

Interval Tested 3063 To 3073

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

Top Packer Depth 3058 Surface Choke Size

Bottom Packer Depth 3063 Bottom Choke Size 5/8

Total Depth 3073 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

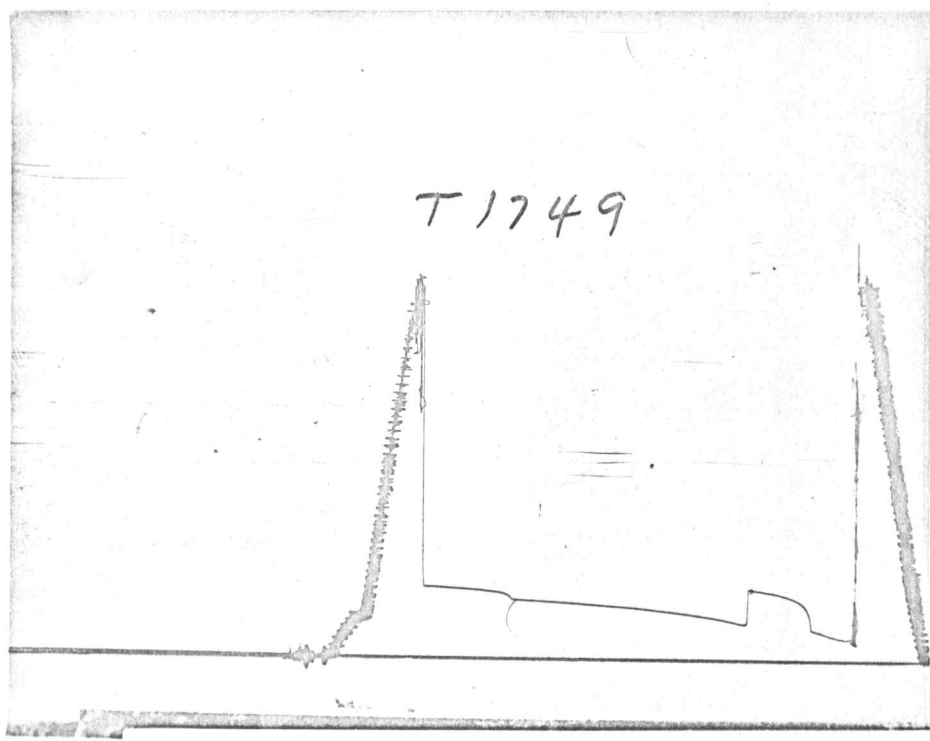
Blow Good Blow Thru-Out Test

Recovery 1500' Gas In Pipe 120' Hvy. Oil & Gas Cut Mud

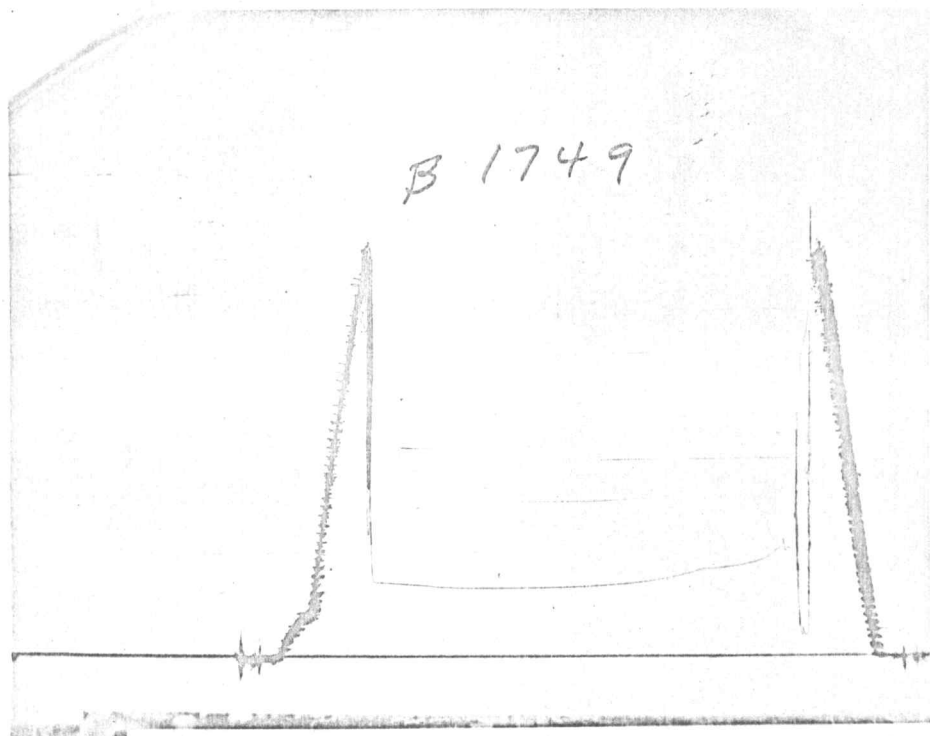
120' Thin Oil & Gas Cut Mud 60' Oil Cut Water

240' Salt Water

Top



Bottom



Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Routledge	Well No. 1	Date	10/3/74
County	Barton	Sec. 33	Twp. 17S	Rng. 11W
Company	L.G. Stephenson			Test No. 3
Contractor	Red Tiger			Zone Tested K.C.
Charge To	L.G. Stephenson			#1750 015
Approved By	Hammond			Tester Willie Bowman

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

Depth 3187 Depth 3189

Initial Hydro Mud Press. 1698 P.S.I.

Initial Flow Press. 47 To 96 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 920 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 118 To 309 P.S.I. Final Flow Period 180 Min.

Final Shut-in Press. 807 P.S.I. Final Shut-in 60 Min.

Final Hydro Mud Press. 1690 P.S.I.

Temperature 108

Mud Weight 10.2 Viscosity 40

Fluid Loss

Interval Tested 3174 To 3191

Damage Ratio
$DR = .183 \frac{P_s - P_f}{m}$
Initial
Final

Top Packer Depth 3169 Surface Choke Size

Bottom Packer Depth 3174 Bottom Choke Size 5/8

Total Depth 3191 Main Hole Size 7 7/8

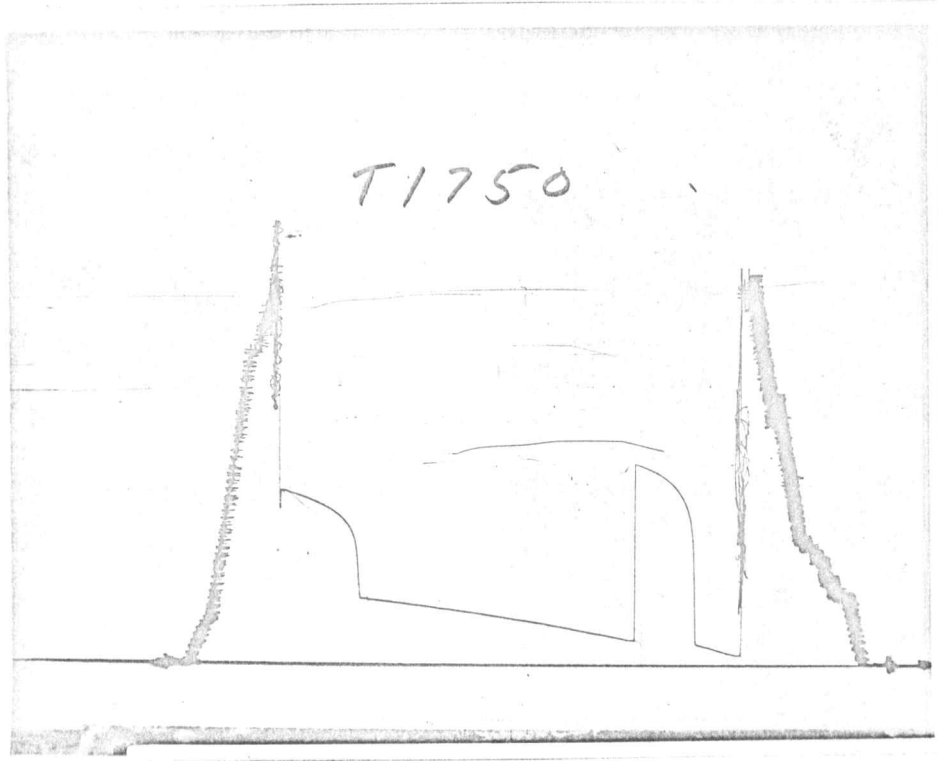
Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Good Thru-Out Test

Recovery 60' Gas In Pipe 600' Gas Cut Water

Top



Bottom

