

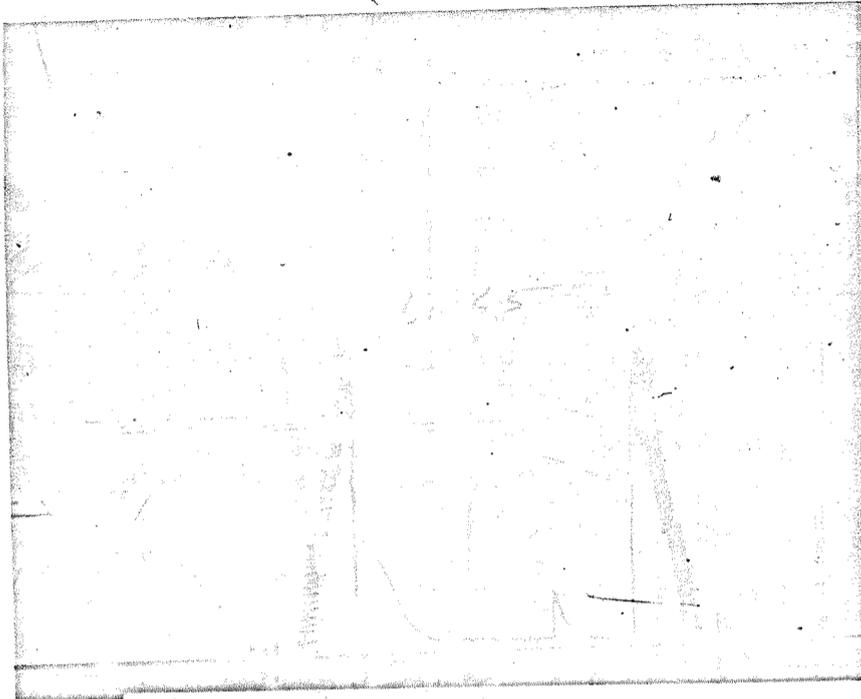


OIL WELL CEMENTING INC.

Date 6-17-69

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6465



Company WILL ASH & AMERICAN DRIG. CO. Contractor AMERICAN DRIG. CO.

Well No. 3 Lease COOK County ELLSWORTH Sec. 19 Twp 14Rng 10

Test No. 1 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 KH.

Interval Tested From 2 1510 To 2210 Depth of Well 2210 Size Choke 5/8

Fluid Recovered In FLEXWEIGHT Temp. 89 Elev. _____

Initial Hyd. 1304 P.S.I. Final Hyd. 1304 P.S.I.

First Initial Flow Pressure 45 P.S.I. Opened Tool 1:15 A.M. ###

First Final Flow Pressure 45 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 281 P.S.I. Initial Closed-in Pres. 30 Min.

Second Initial Flow Pressure 55 P.S.I. Second Flow Pres. 90 Min.

Second Final Flow Pressure 63 P.S.I. Final Closed-in Pres. 60 Min.

Final Closed-in Pressure 561 P.S.I. ALL PRESSURES CORRECTED ON MICROMETER CHART SCANNER.

Blow VERY WEAK THRU-OUT TEST.

Recovery 90 FT. GAS IN PIPE.

30 FT. VERY SLIGHT GAS CUT & SLIGHT OIL SPECKED MUD.

Remarks _____

Approved By FOLEY Tester BOWMAN

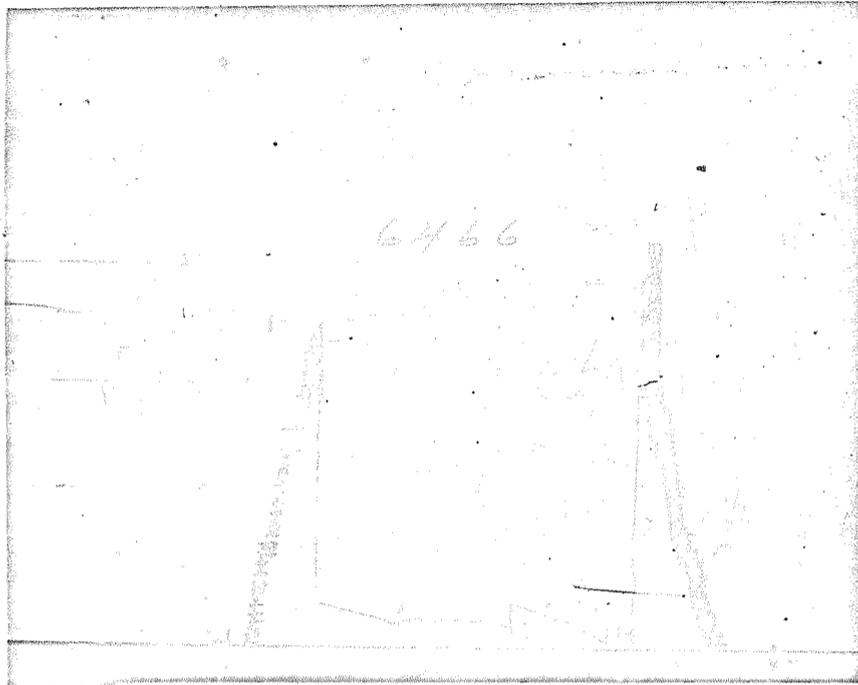


OIL WELL CEMENTING INC.

Date 6-17-69

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6466



Company WILL ASH & AMERICAN DRIG. CO. Contractor AMERICAN DRIG. CO.

Well No. 3 Lease COOK County ELLSWORTH Sec. 19 Twp 14 Rng 10

Test No. 2 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 XH.

Interval Tested From 2428 To 2450 Depth of Well 2450 Size Choke 5/8

Fluid Recovered In FLEXWEIGHT Temp. _____ Elev. _____

Initial Hyd. 1517 P.S.I. Final Hyd. 1517 P.S.I.

First Initial Flow Pressure 53 P.S.I. Opened Tool 9:35 ~~7:35~~ P.M.

First Final Flow Pressure 53 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 216 P.S.I. Initial Closed-in Pres. 60 Min.

Second Initial Flow Pressure 98 P.S.I. Second Flow Pres. 90 Min.

Second Final Flow Pressure 98 P.S.I. Final Closed-in Pres. 60 Min.

Final Closed-in Pressure 216 P.S.I.

ALL PRESSURES CORRECTED ON MICROMETER CHART SCANNER.

Blow STRONG ON INITIAL FLOW TO WEAK THRU-OUT TEST.

Recovery 300 FT. GAS IN PIPE.

10FT. VERY HEAVY OIL & GAS CUT MUD.

20 FT. OIL & GAS CUT MUD.

Remarks _____

Approved By FOLEY Tester BOWMAN

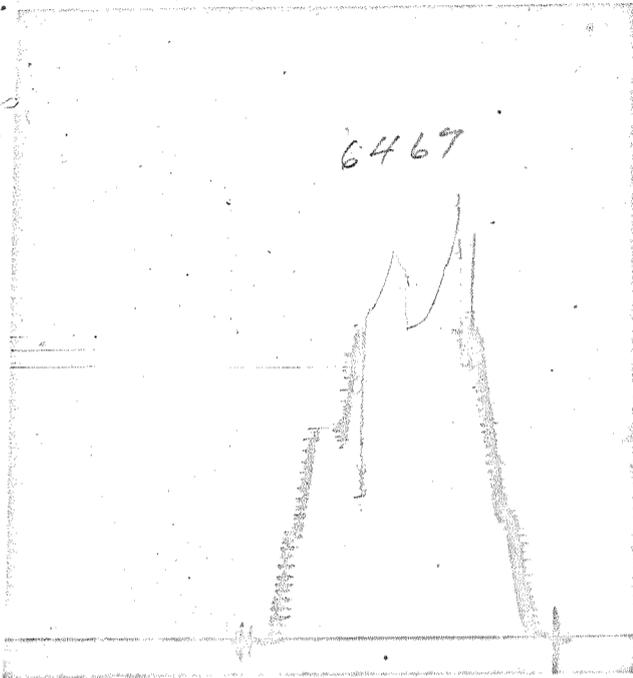


OIL WELL CEMENTING INC.

Date 6-18-69

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6467



Company WILL ASH & AMERICAN DRILG. CO. Contractor AMERICAN DRILG. CO.

Well No. 3 Lease COOK County ELLSWORTH Sec. 19 Twp 14 Rng 10

Test No. 3 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 XH.

Interval Tested From 2377 To 2399 Depth of Well 2450 Size Choke 5/8

Fluid Recovered In FLEXWEIGHT Temp. _____ Elev. _____

Initial Hyd. 1371 P.S.I. Final Hyd. 1371 P.S.I.

First Initial Flow Pressure 30 P.S.I. Opened Tool 5:15 A.M. ~~PM~~

First Final Flow Pressure 30 P.S.I. First Flow Pres. 15 Min.

Initial Closed-in Pressure 138 P.S.I. Initial Closed-in Pres. 30 Min.

Second Initial Flow Pressure 30 P.S.I. Second Flow Pres. 10 Min.

Second Final Flow Pressure 30 P.S.I. Final Closed-in Pres. 15 Min.

Final Closed-in Pressure 50 P.S.I.

ALL PRESSURES CORRECTED ON MICROMETER CHART SCANNER.

Blow VERY WEAK FOR 5 MIN.

Recovery 5 FT. VERY SLIGHT OIL OUT MUD.

Remarks STRADDLE TEST FROM 2377 TO 2399

Approved By FOLEY Tester BOWMAN

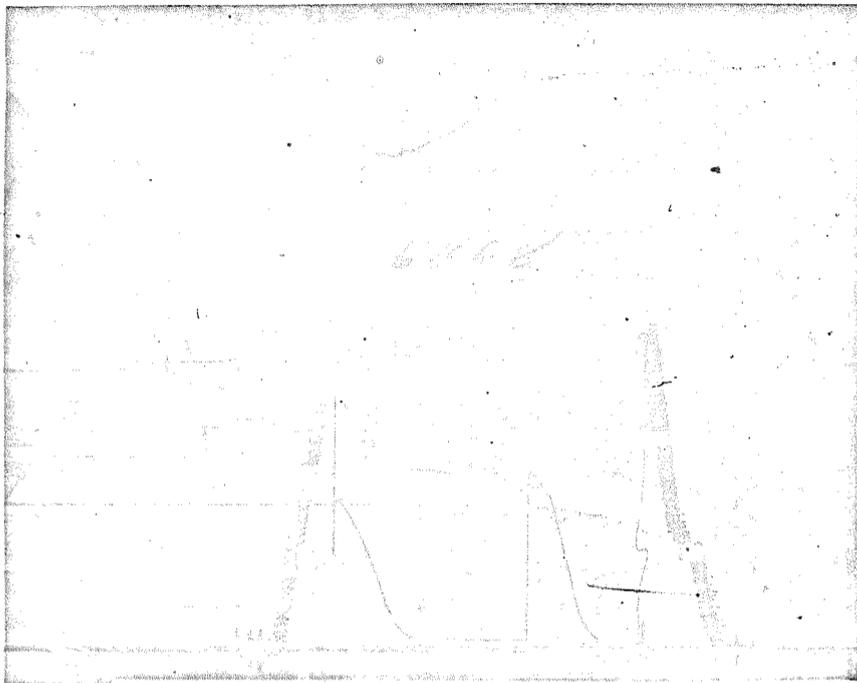


OIL WELL CEMENTING INC.

Date 6-18-69

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6468



Company WILL ASH & AMERICAN DRLG. CO. Contractor AMERICAN DRLG. CO.

Well No. 3 Lease COOK County ELLSWORTH Sec. 19 Twp 14 Rng 10

Test No. 4 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 XH.

Interval Tested From 2500 To 2521 Depth of Well 2521 Size Choke 5/8

Fluid Recovered In FLEXWEIGHT Temp. 99 Elev. _____

Initial Hyd. 1431 P.S.I. Final Hyd. 1481 P.S.I.

First Initial Flow Pressure 21 P.S.I. Opened Tool 8:50 ~~###~~ P.M.

First Final Flow Pressure 21 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 801 P.S.I. Initial Closed-in Pres. 60 Min.

Second Initial Flow Pressure 31 P.S.I. Second Flow Pres. 90 Min.

Second Final Flow Pressure 41 P.S.I. Final Closed-in Pres. 60 Min.

Final Closed-in Pressure 689 P.S.I.

ALL PRESSURES CORRECTED ON MICROMETER CHART SCANNER.

Blow FAIR BLOW THRU-OUT TEST.

Recovery 120 FT. GAS IN PIPE.

20 FT. SLIGHT OIL & GAS CUT MUD.

50 FT. THIN SLIGHT GAS CUT WATERY MUD.

Remarks _____

Approved By RICHARD M. FOLEY

Tester BOWMAN



OIL WELL CEMENTING INC.

Date 6-20-69

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6469



Company WILL ASH & AMERICAN DRILG. CO. Contractor AMERICAN DRILG. CO.

Well No. 3 Lease COOK County ELLSWORTH Sec. 19 Twp 14 Rng 10

Test No. 5 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 XH.

Interval Tested From 2794 To 2830 Depth of Well 2830 Size Choke 5/8

Fluid Recovered In FLEXWEIGHT Temp. 100 Elev. _____

Initial Hyd. 1560 P.S.I. Final Hyd. 1560 P.S.I.

First Initial Flow Pressure 56 P.S.I. Opened Tool 4:15 A.M. ~~###~~

First Final Flow Pressure 56 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 583 P.S.I. Initial Closed-in Pres. 60 Min.

Second Initial Flow Pressure 66 P.S.I. Second Flow Pres. 90 Min.

Second Final Flow Pressure 76 P.S.I. Final Closed-in Pres. 60 Min.

Final Closed-in Pressure 565 P.S.I. ALL PRESSURES CORRECTED ON MICROMETER CHART SCANNER.

Blow FAIR ON INITIAL FLOW. STRONG BLOW THRU-OUT FINAL FLOW.

Recovery 420 FT. GAS IN PIPE.

5 FT. OIL & GAS CUT MUD. 30 FT. H. O. & G. C. M.

90 FT. MUDDY OIL & GAS EMULSION.

Remarks _____

Approved By FOLEY Tester BOWMAN