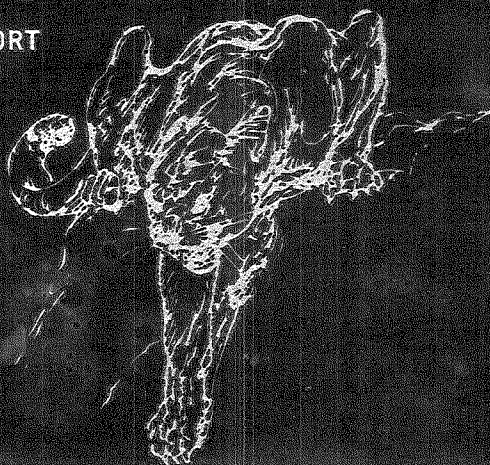


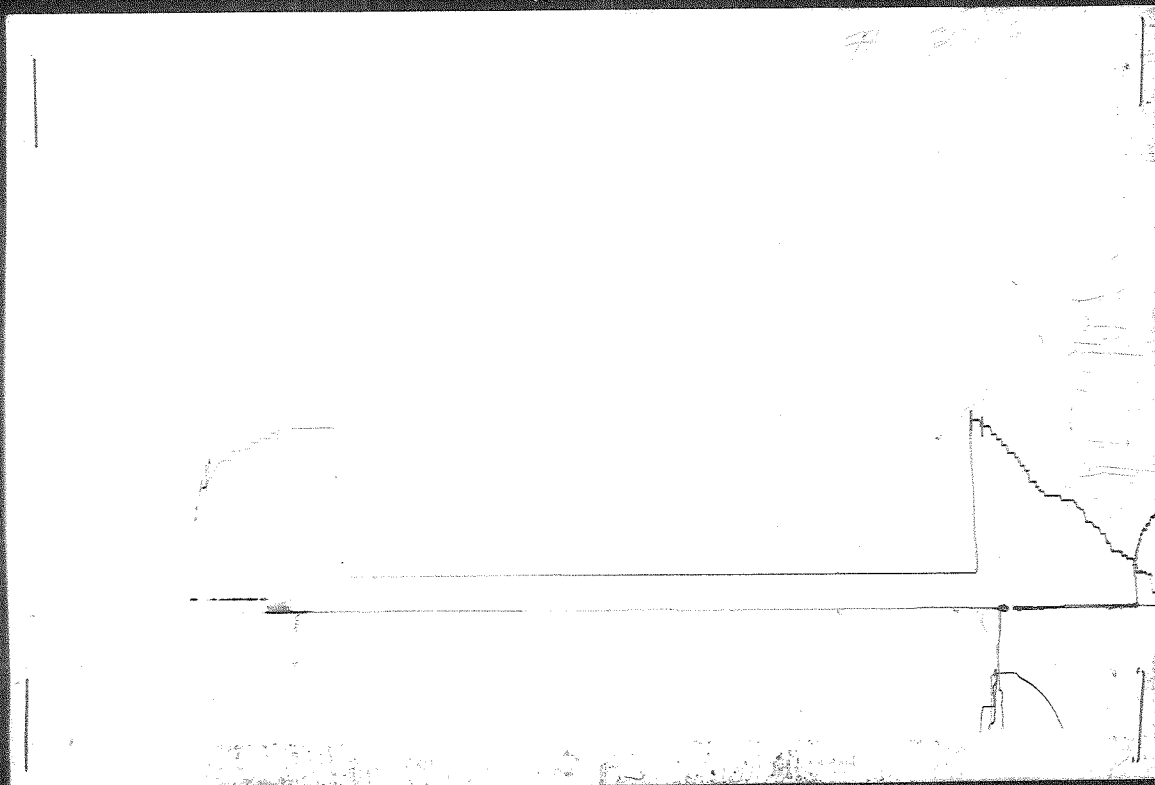
DRILL STEM TEST RECOVERY REPORT

WILDCAT TESTING COMPANY



Date 2-20-71

Ticket No. 276



Company ILL. E. ASH Contractor SAGE DRILL CO.
 Well No. 5 Lease KRATKY County RUSSEL Sec. Rg. Twp.
 Test No. 1 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 F.H.
 Interval Tested From 2414 To 2435 Depth of Well 2435 Size Choke 1/2
 Fluid Recovered In FLEXWEIGHT Temp. Elev. 1666
 Initial Hyd. 1480 P.S.I. Final Hyd. 1480 P.S.I.
 First Initial Flow Pressure 35 P.S.I. Opened Tool 3:30 A.M. PM
 First Final Flow Pressure 35 P.S.I. First Flow Pres. 30 Min.
 Initial Closed-in Pressure 35 P.S.I. Initial Closed-in Pres. 30 Min.
 Second Initial Flow Pressure 35 P.S.I. Second Flow Pres. 90 Min.
 Second Final Flow Pressure 35 P.S.I. Final Closed-in Pres. 30 Min.
 Final Closed-in Pressure 35 P.S.I.
 Blow WEAK BLOW THRU-OUT TEST

Recovery 30 FT. VERY LIGHT OIL & GAS OUT MUD

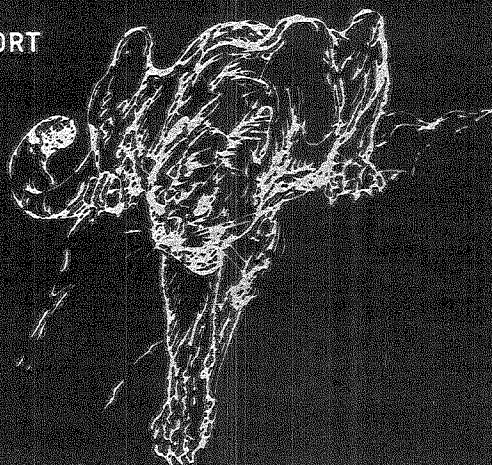
Remarks

Approved By RICHARD M. FOLEY

Tester ED PHILBURN

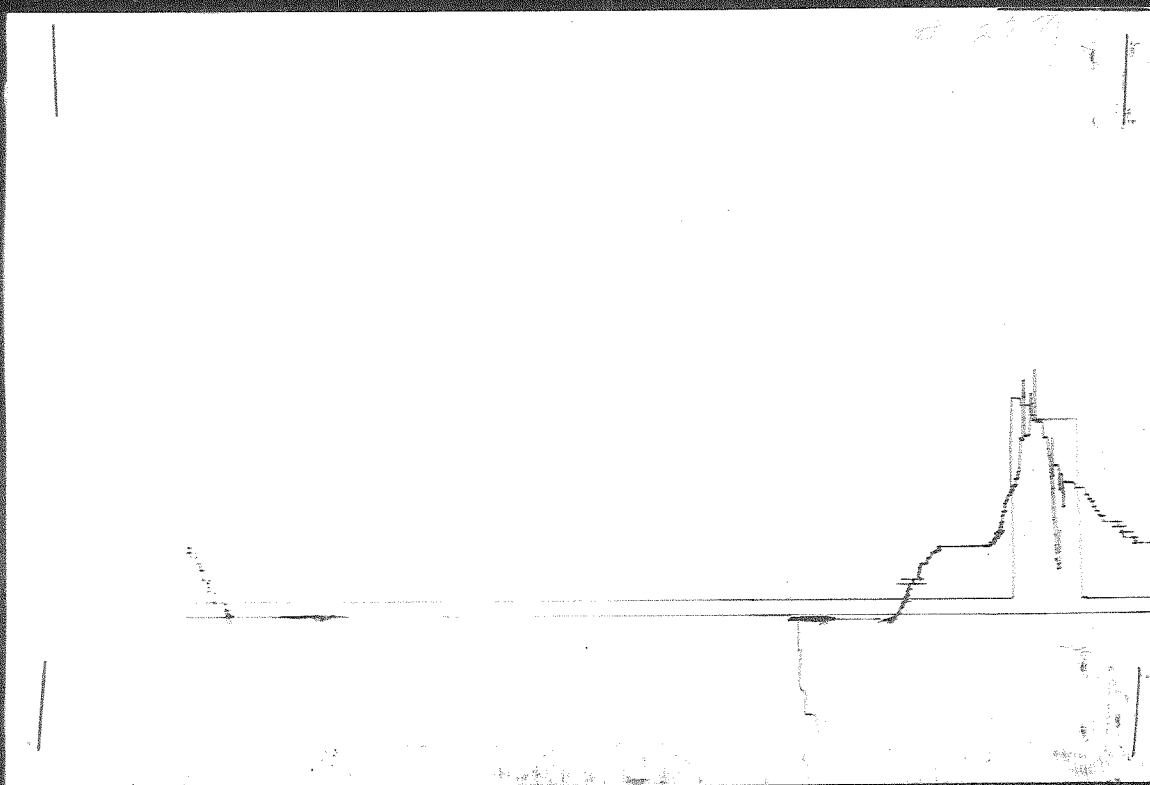
DRILL STEM TEST RECOVERY REPORT

WILDCAT TESTING COMPANY



Date 2-21-71

Ticket No. 277



Company WILL P. ASE Contractor SAGE DRIG. CO.

Well No. 5 Lease KRATKY County RUSSEL Sec. 24 Rg. 11 Twp 14

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

Interval Tested From 2801 To 2820 Depth of Well 2820 Size Choke 1/2

Fluid Recovered In FLEXWEIGHT Temp. _____ Elev. _____

Initial Hyd. <u>1340</u>	P.S.I.	Final Hyd. <u>1340</u>	P.S.I.
First Initial Flow Pressure <u>20</u>	P.S.I.	Opened Tool <u>3:33</u>	AM P.M.
First Final Flow Pressure <u>20</u>	P.S.I.	First Flow Pres. <u>60</u>	Min.
Initial Closed-in Pressure <u>20</u>	P.S.I.	Initial Closed-in Pres. <u>60</u>	Min.
Second Initial Flow Pressure <u>20</u>	P.S.I.	Second Flow Pres. <u>120</u>	Min.
Second Final Flow Pressure <u>20</u>	P.S.I.	Final Closed-in Pres. <u>60</u>	Min.
Final Closed-in Pressure <u>20</u>	P.S.I.		

Blow 2nd BLOW 60 MIN.

WEAK BLOW 2ND. OPENING 120 MIN.

Recovery 45 FT. HEAVY OIL CUT MUD

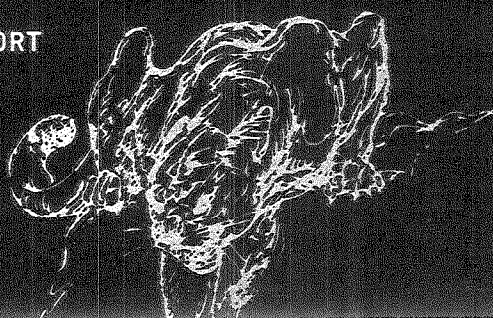
Remarks

Approved By RICHARD M. FOLEY

Tester JACK KELIN

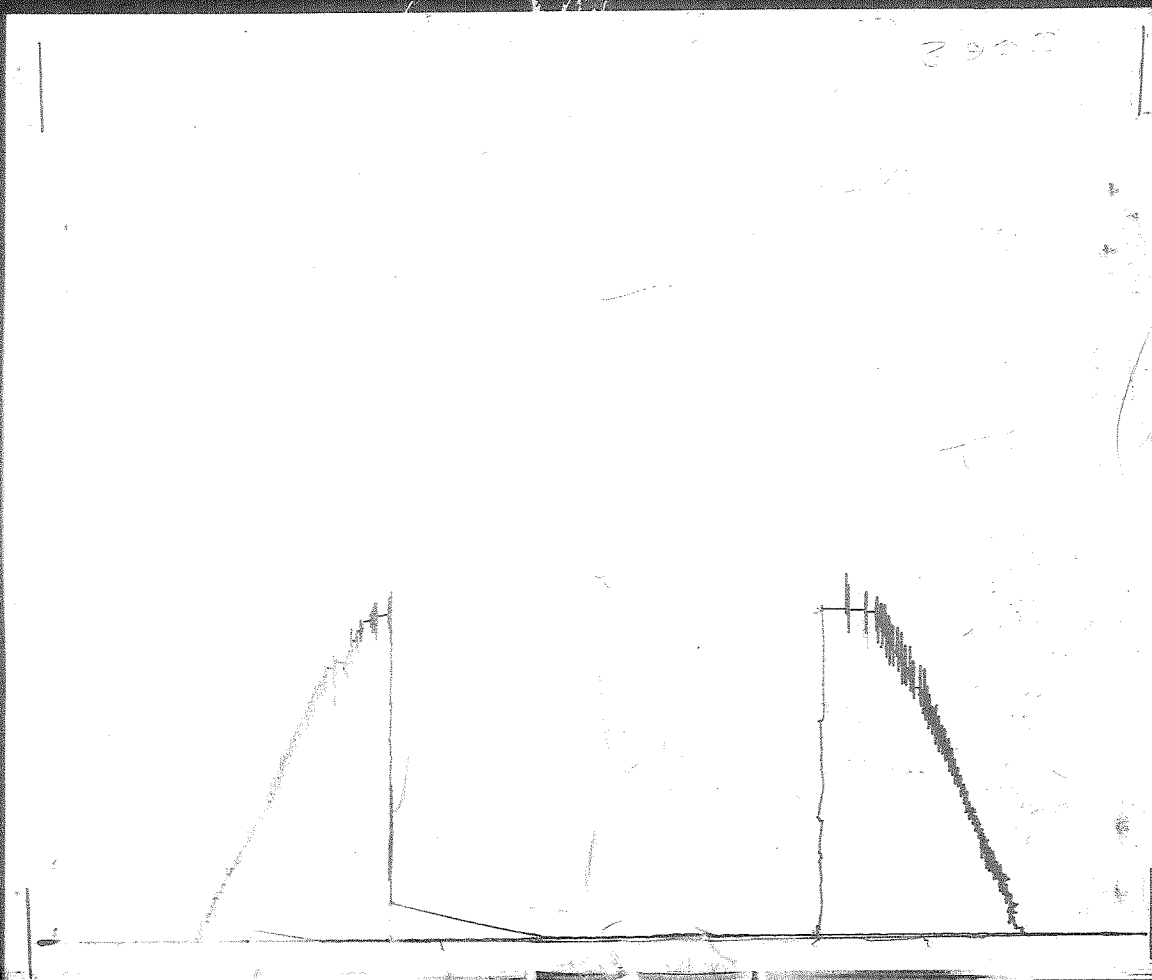
DRILL STEM TEST RECOVERY REPORT

WILDCAT TESTING COMPANY



Date 2-24-71

Ticket No. 278



* Company WILL P. ASH Contractor SAGE DRILL CO.
 Well No. 5 Lease KRATKY County RUSSEL Sec 24 Rg 11 Twp 14
 Test No. 3 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 F.H.
 Interval Tested From 2847 To 2862 Depth of Well 2862 Size Choke 1/2
 Fluid Recovered In FLEXWEIGHT Temp. _____ Elev. _____
 Initial Hyd. 1660 P.S.I. Final Hyd. 1660 P.S.I.
 First Initial Flow Pressure 58 28 P.S.I. Opened Tool 10:35 ~~XXX~~ P.M.
 First Final Flow Pressure 28 P.S.I. First Flow Pres. 60 Min.
 Initial Closed-in Pressure 58 P.S.I. Initial Closed-in Pres. 60 Min.
 Second Initial Flow Pressure 28 P.S.I. Second Flow Pres. 150 Min.
 Second Final Flow Pressure 28 P.S.I. Final Closed-in Pres. 60 Min.
 Final Closed-in Pressure 174 P.S.I.
 Blow WEAK TO FAIR BLOW THRU-OUT TEST

Recovery 30 FT. VERY HEAVY OIL & GAS CUT MUD

900 FT. GAS IN PIPE

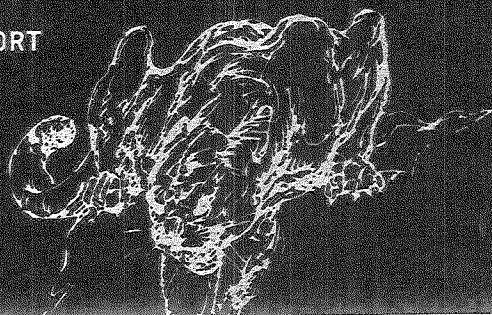
Remarks _____

Approved By RICHARD M. FOLEY

Tester JACK KELIN

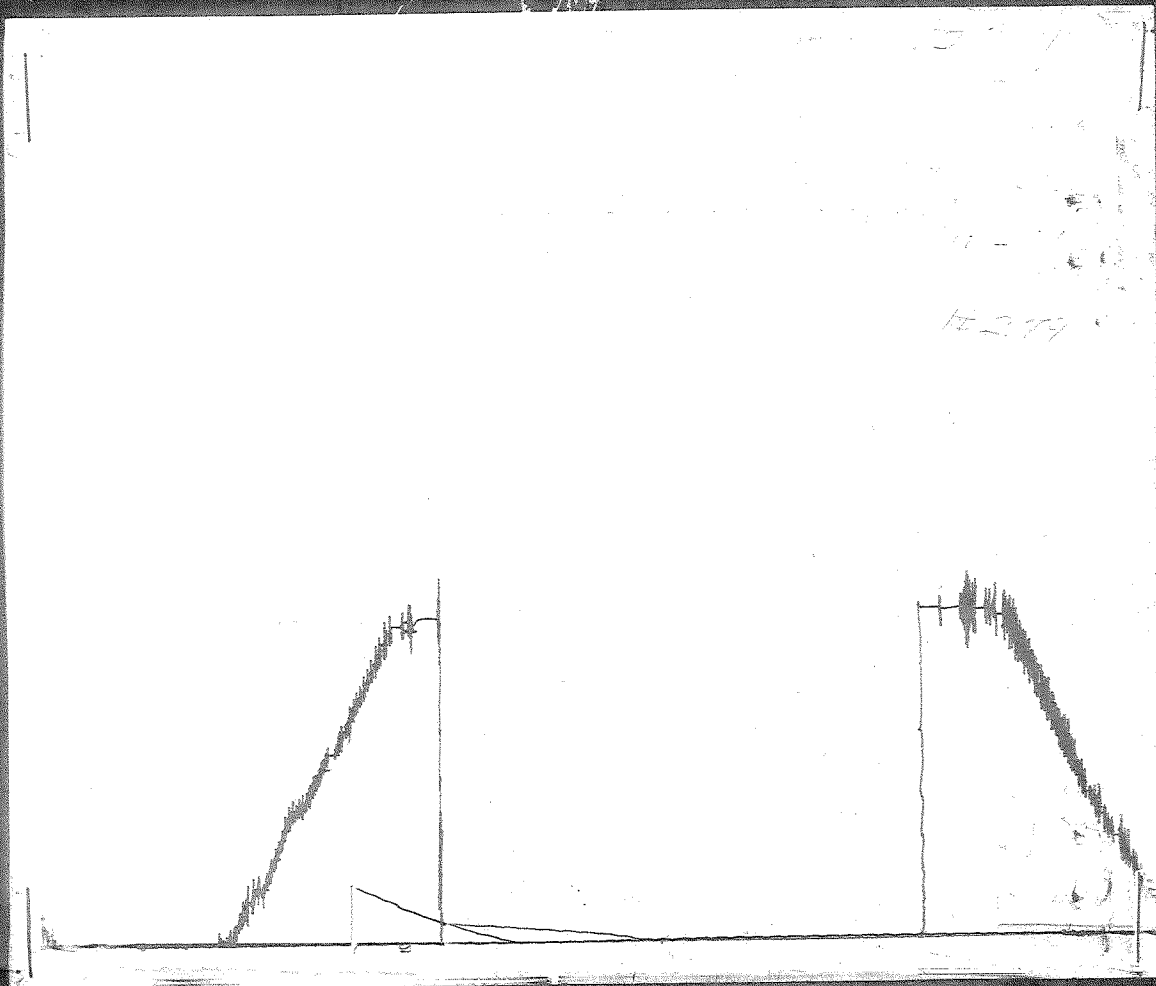
DRILL STEM TEST RECOVERY REPORT

WILDCAT TESTING COMPANY



Date 2-24-71

Ticket No. 279



Company WILL P. ASH Contractor SAGE DRILL CO.
 Well No. 5 Lease KRATKY County RUSSEL Sec. 24 Rg. 11 Twp. 14
 Test No. 4 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 F.P.
 Interval Tested From 2862 To 2872 Depth of Well 2872 Size Choke 1/2
 Fluid Recovered In FLEXWRIGHT Temp. Elev. 1666
 Initial Hyd. 1580 P.S.I. Final Hyd. 1580 P.S.I.
 First Initial Flow Pressure 20 P.S.I. Opened Tool 12:10 ~~XXX~~ P.M.
 First Final Flow Pressure 20 P.S.I. First Flow Pres. 60 Min.
 Initial Closed-in Pressure 242 P.S.I. Initial Closed-in Pres. 60 Min.
 Second Initial Flow Pressure 20 P.S.I. Second Flow Pres. 390 Min.
 Second Final Flow Pressure 20 P.S.I. Final Closed-in Pres. 60 Min.
 Final Closed-in Pressure 88 P.S.I.
 Blow STRONG BLOW THRU-OUT TEST

Recovery 600 FT. GAS IN PIPE

65 FT. BLACK VERY HEAVY OIL & GAS CUT MUD EMULSION WITH FREE OIL

15 FT. VERY THIN MUDDY WATER

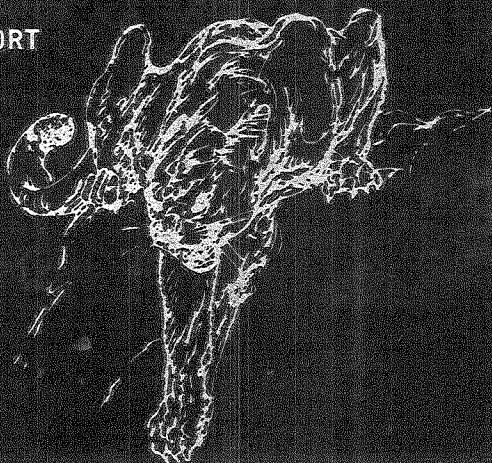
Remarks

Approved By RICHARD M. FOLEY

Tester JACK KILIN

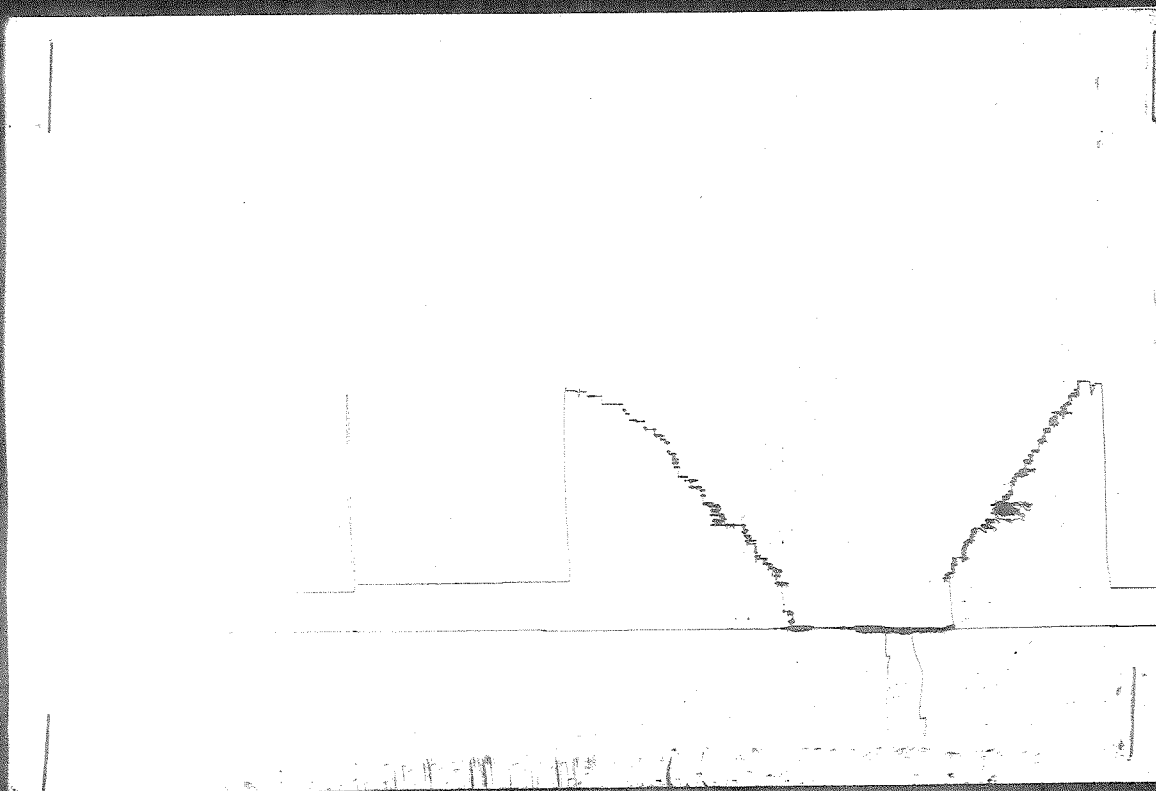
DRILL STEM TEST RECOVERY REPORT

WILDCAT TESTING COMPANY



Date 2-25-71

Ticket No. 280



Company WILL P. ASH Contractor RAGE DRILL CO.

Well No. 5 Lease KRATKY County RUSSELL Sec. 24 Rg. 11 Twp. 14

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

Interval Tested From 2862 To 2877 Depth of Well 2877 Size Choke 1/2

Fluid Recovered In FLEXWEIGHT Temp. Elev.

Initial Hyd. 1420 P.S.I. Final Hyd. 1420 P.S.I.

First Initial Flow Pressure XXX P.S.I. Opened Tool 7:30 A.M. XXX

First Final Flow Pressure XXX P.S.I. First Flow Pres. 0 Min.

Initial Closed-in Pressure 440 P.S.I. Initial Closed-in Pres. 0 Min.

Second Initial Flow Pressure 100 P.S.I. Second Flow Pres. 105 Min.

Second Final Flow Pressure 100 P.S.I. Final Closed-in Pres. 60 Min.

Final Closed-in Pressure 440 P.S.I.

Blow FAIR BLOW FOR 60 MIN.

Recovery 50 FT. DRILL. MUD WITH TRACE OF OIL

Remarks

Approved By RICHARD M. FOLEY

Tester JACK KELIN