

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313

DIAMOND TESTING



TEST INFORMATION

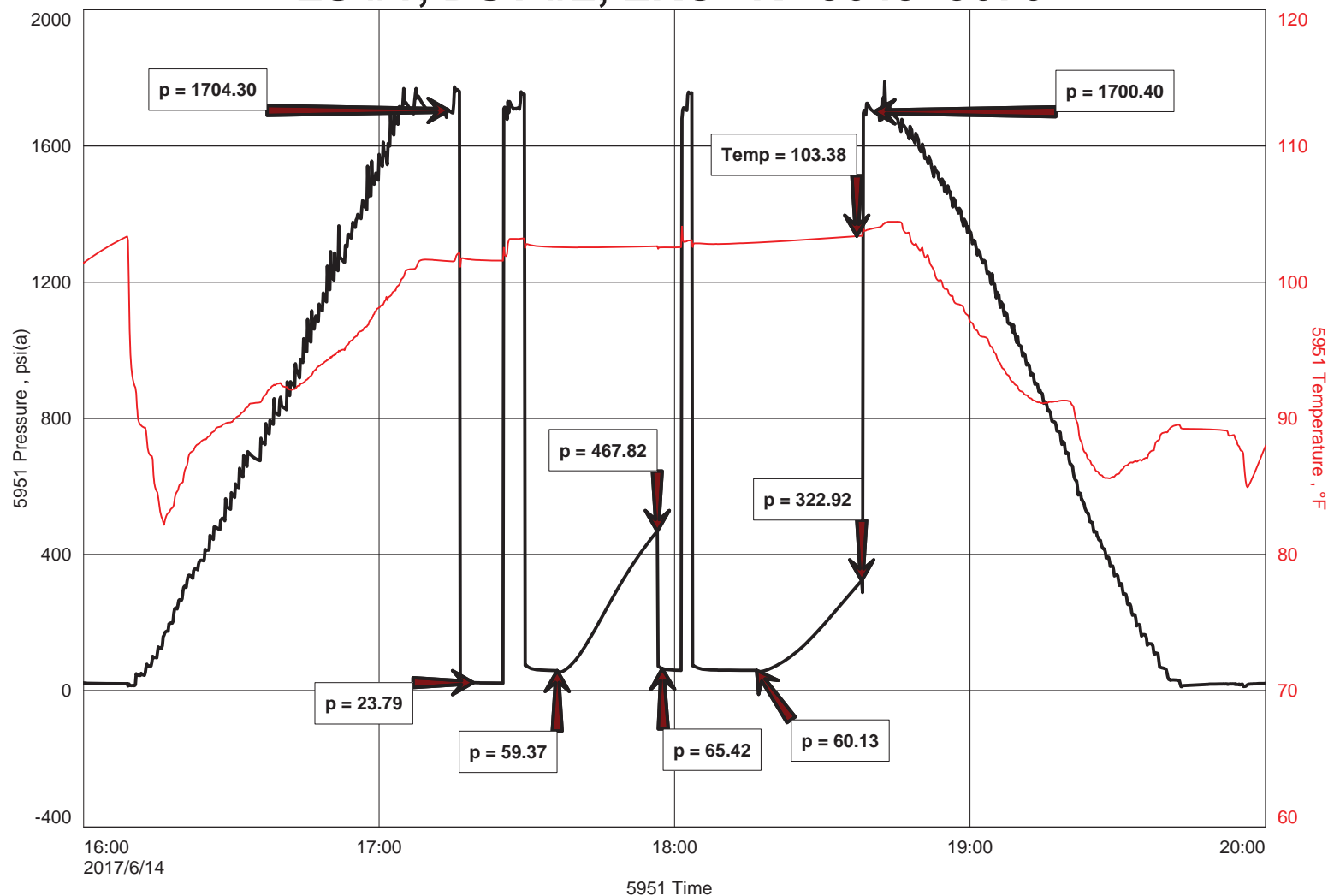
Well Name	ILS #1
Company Name	RJM Company
Formation	DST #2, LKC "K" 3643'-3670'
Test Type	Bottom-Hole, no extra equipment
Surface Location	Sec 16-22s-14w-Stafford Co.-KS
KB Elevation (SL)	1949.000
Gauge Name	5951
Start Test Date	2017/06/14
Start Test Time	15:34:00
Final Test Date	2017/06/14
Final Test Time	20:05:00
Job Number	F484
Contact	Chris Hoffman
Site Contact	Jim Musgrove

TEST RESULTS

Initial flow, no blow, flushed tool, no blow.
Final flow, no blow, flushed tool, no blow.

Recovered 85' of drilling mud, 100% mud.

ILS #1, DST #2, LKC "K" 3643'-3670'





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ILS1DST2

TIME ON: 15:34
TIME OFF: 20:05

Company RJM Company Lease & Well No. ILS #1
Contractor Southwind Drlg. Rig #3 Charge to RJM Co
Elevation 1949' KB Formation LKC "K" Effective Pay _____ Ft. Ticket No. F484
Date 6/14/17 Sec. 16 Twp. 22 S Range 14 W County Stafford State KANSAS
Test Approved By Jim Musgrove Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3643 ft. to 3670 ft. Total Depth 3670 ft.
Packer Depth 3638 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3643 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3648 ft. Recorder Number 5951 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3649 ft. Recorder Number 5586 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (1# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3,623 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 27 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: No blow, flushed tool, no blow.
2nd Open: No blow, flushed tool, no blow.

Recovered 85 ft. of Drilling Mud 100% mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

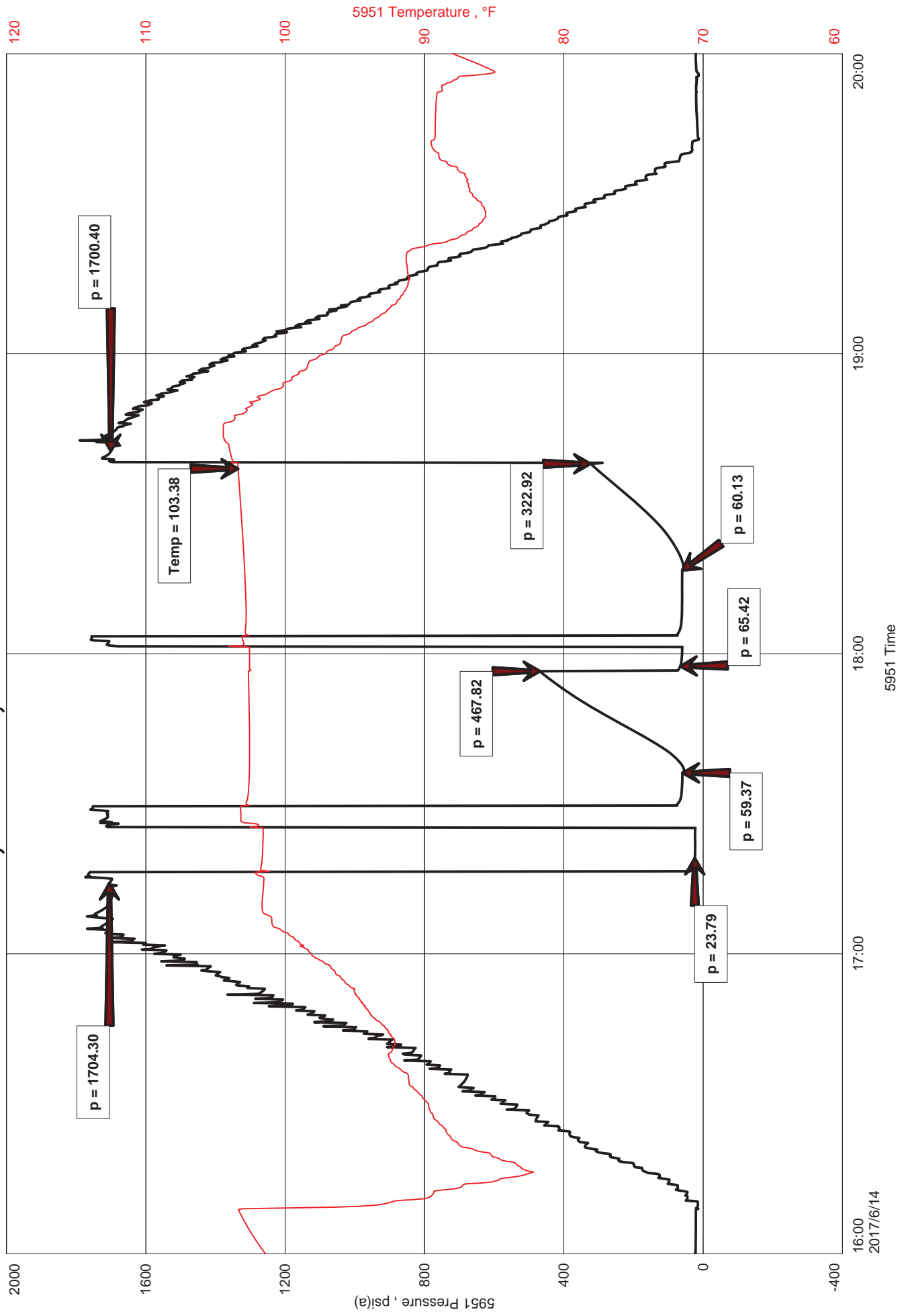
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 5:15 PM A.M. P.M. Time Started Off Bottom 6:35 PM A.M. P.M. Maximum Temperature 103 F

Initial Hydrostatic Pressure..... (A) 1704 P.S.I.
Initial Flow Period..... Minutes 20 (B) 24 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period..... Minutes 20 (D) 468 P.S.I.
Final Flow Period..... Minutes 20 (E) 65 P.S.I. to (F) 60 P.S.I.
Final Closed In Period..... Minutes 20 (G) 323 P.S.I.
Final Hydrostatic Pressure..... (H) 1700 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or 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.

ILS #1, DST #2, LKC "K" 3643'-3670'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: ILS1DST2

ON LOCATION:	<u>15:22</u>
START RECORDERS:	<u>15:34</u>
STOP RECORDERS:	<u>20:05</u>

Company RJM COMPANY Lease & Well No. ILS #1
 Contractor SOUTHWIND DRUG RIG #3 Charge to RJM Co.
 Elevation 1949' KB Formation LKC "K" Effective Pay _____ Ft. Ticket No. F484
 Date 6-14-17 Sec. 16 Twp. 22S Range 14 W County STAFFORD State KS
 Test Approved By JEM MUSGROVE Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3643 ft. to 3670 ft. Total Depth 3670 ft.
 Packer Depth 3638 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3643 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3648 ft. Recorder Number 5951 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3649 ft. Recorder Number 5586 Cap. 6000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (1# LCM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 8.9 Water Loss 5000 8.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 5000 P.P.M. Drill Pipe Length 3623 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 27 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 X 4 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: NO BLOW, FLUSH TOOL, NO BLOW.
 2nd Open: NO BLOW, FLUSH TOOL, NO BLOW.

Recovered 85 ft. of DRLG MUD 100" MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Price Job _____
 Other Charges _____
 Remarks: _____

 Total 87 MRT (PRATT)

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 6:35 P.M. Maximum Temperature 103°F
 Initial Hydrostatic Pressure..... (A) 1704 P.S.I.
 Initial Flow Period..... Minutes 20 (B) 24 P.S.I. to (C) 59 P.S.I.
 Initial Closed In Period..... Minutes 20 (D) 468 P.S.I.
 Final Flow Period..... Minutes 20 (E) 65 P.S.I. to (F) 60 P.S.I.
 Final Closed In Period..... Minutes 20 (G) 323 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 1700 P.S.I. Jake Fahrenbruch

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