



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: TEEL71DST2

TIME ON: 08:23
TIME OFF: 14:37

Company IA Operatinng, Inc. Lease & Well No. Teel #7-1
Contractor Discovery Drilling Rig # 2 Charge to IA Operating, Inc.
Elevation 2526' KB Formation L/KC "H-K" Effective Pay _____ Ft. Ticket No. F458
Date 12/5/16 Sec. 7 Twp. _____ 6 S Range _____ 25 W County Graham State KANSAS
Test Approved By Jeff Lawler Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3708 ft. to 3775 ft. Total Depth 3775 ft.
Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3708 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3715 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3716 ft. Recorder Number 5586 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
Chlorides 1,200 P.P.M. Drill Pipe Length 3,441 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 67 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 33' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 1". No blowback.

2nd Open: Weak surface blow, blow died. No blowback.

Recovered 15 ft. of SOSM <1% oil, >99% mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

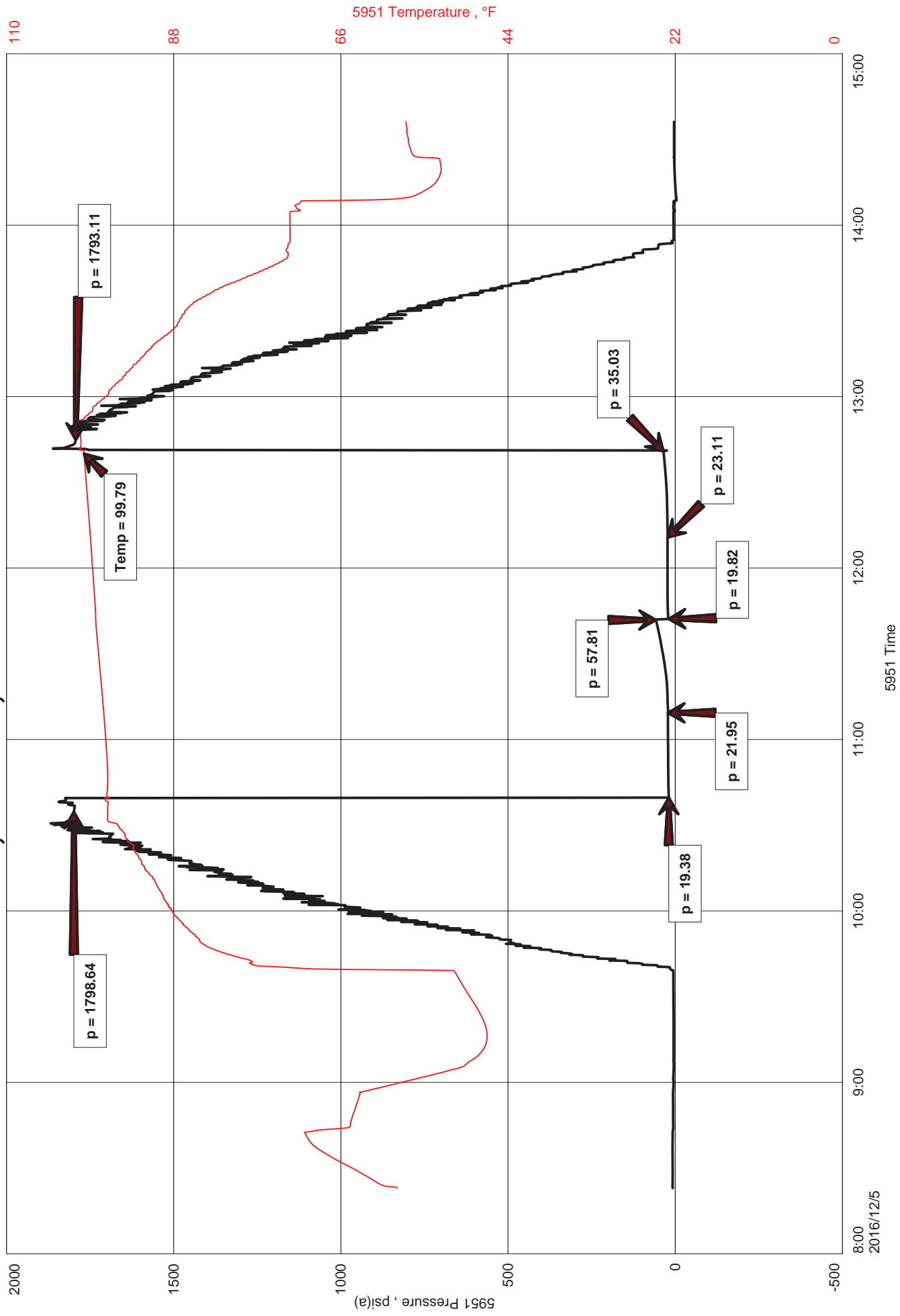
Time Set Packer(s) 10:40 A.M. P.M. Time Started Off Bottom 12:40 A.M. P.M. Maximum Temperature 100 F

Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 22 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 58 P.S.I.
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
Final Closed In Period..... Minutes 30 (G) 35 P.S.I.
Final Hydrostatic Pressure..... (H) 1793 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.

Price Job
Other Charges
Insurance
Total

TEEL #7-1, DST #2, L/KC "H-K" 3708'-3775'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
 DRILL-STEM TEST TICKET
 FILE: TEEL 71 D572

ON LOCATION: 08:06
 START RECORDERS: 08:23
 STOP RECORDERS: 14:37

Company I A OPERATING, INC. Lease & Well No. TEEL #7-1
 Contractor DISCOVERY DRLLG REG #2 Charge to I A OPERATING, INC.
 Elevation 2526' RB Formation L/KC "H-K" Effective Pay _____ Ft. Ticket No. F458
 Date 12/5/16 Sec. 7 Twp. 65 Range 25 W County GRAHAM State KS
 Test Approved By JEFF LAWLER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3708 ft. to 3775 ft. Total Depth 3775 ft.
 Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3708 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3715 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3716 ft. Recorder Number 5586 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2#LCM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
 Chlorides 1200 P.P.M. Drill Pipe Length 3441 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 67 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 33' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 1". NO BLOWBACK.
 2nd Open: WEAK SURFACE BLOW, BLOW DIED. NO BLOWBACK.

Recovered 15 ft. of SOSM <1" oil, >99" mud

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

 Total 70 MRT (NORTON)

Time Set Packer(s) 10:40 A.M. P.M. Time Started Off Bottom 12:40 A.M. P.M. Maximum Temperature 100 °F

Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 22 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 58 P.S.I.
 Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 35 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 1793 P.S.I. [Signature]

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

Well Name	Teel #7-1
Company Name	IA Operating, Inc.
Formation	DST #2, L/KC "H-K" 3708'-3775'
Test Type	Bottom-Hole
Surface Location	Sec 7-6s-25w-Graham Co.-KS
KB Elevation (SL)	2526.000
Gauge Name	5951
Start Test Date	2016/12/05
Start Test Time	08:23:00
Final Test Date	2016/12/05
Final Test Time	14:37:00
Job Number	F458
Contact	Jonathan Allen
Site Contact	Jeff Lawler

TEST RESULTS

Initial flow, weak blow, increased to 1". No blowback.
 Final flow, weak surface blow, blow died. No blowback.

Recovered 15' of SOSM, <1% oil, >99% mud

TEEL #7-1, DST #2, L/KC "H-K" 3708'-3775'

