DIAMOND TESTING LLC

ROGER D. FRIEDLY

CELL # 620-793-2043

General Information

Company Name	MULL DRILLING, INC		
Contact	ERNIE MORRISON	Job Number	BOO1
Well Name	HAMPLER #1-18	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LANS. K 4268-4295	Well Operator	DUKE DRILLING RIG #4
Surface Location	SEC 18-18S-27W LANE CNTY, KS	Prepared By	ROGER D. FRIEDLY
Field	WILDCAT	Qualified By	PHIL ASKEY
Well Type	Vertical	Test Unit	NO. 6

Test Information

		Representative	ROGER D. FRIEDLY
Test Type	CONVENTIONAL	Well Operator	DUKE DRILLING RIG #4
Formation	DST #1 'K' 4,268' - 4,295'	Report Date	2013/05/06 YYYY/MM/DD
Well Fluid Type	01 Oil	Prepared By	ROGER D. FRIEDLY
Test Purpose (AEUB)	Initial Test		

Start Test Date	2013/05/05 YYYY/MM/DD	Start Test Time	20:11:00 HH:mm:ss
Final Test Date	2012/05/06 YYYY/MM/DD	Final Test Time	05:19:00 HH:mm:ss

Test Results

RECOVERED: 463' GAS IN PPE
83' CLEAN OIL GRAVITY 35.4 @ 60 deg.
72' G&OCM 5% GAS, 40% OIL, 55% MUD
124' OCMW 3% OIL, 80% WTR, 17% MUD
279' TOTAL FLUID

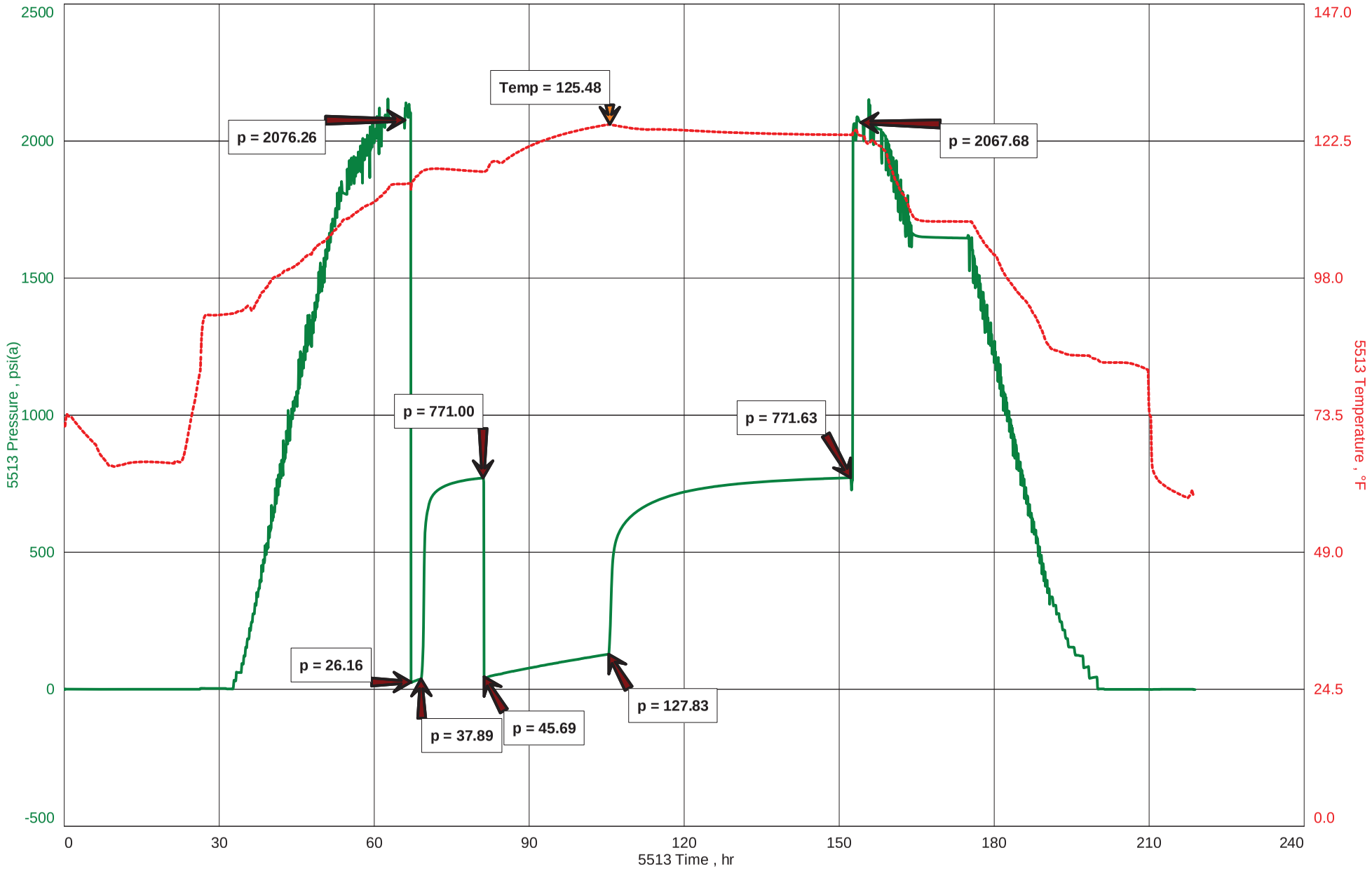
TOOL SAMPLE: 1% OIL, 99% WTR

CHLORIDES:39Ppm
PH: 7.0
RW: .28 @ 45 deg.

MULL DRILLING, INC
DST #1 LANS. K 4268-4295
Start Test Date: 2013/05/05
Final Test Date: 2012/05/06

HAMPLER #1-18
Formation: DST #1 'K' 4,268' - 4,295'
Job Number: BOO1

HAMPLER #1-18



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: HEMPLER1-18DST1

TIME ON: 20:11 (5-5)
TIME OFF: 05:19N (5.6)

Company MULL DRILLING, INC — Lease & Well No. HEMPLER #1-18
Contractor DUKE RIG #4 — Charge to MULL DRILLING, INC
Elevation 2,710 (EST GL) Formation LANSING 'K' Effective Pay ____ Ft. Ticket No. BOO1
Date 05-05-13 Sec. 18 Twp. 18 S Range 18 W County LANE State KANSAS
Test Approved By PHIL ASKEY — Diamond Representative BOB HAMEL

Formation Test No. 1 Interval Tested from 4,268 ft. to 4,295 ft. Total Depth 4,295 ft.
Packer Depth 4,263 ft. Size 6 3/4 in. — Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 4,268 ft. Size 6 3/4 in. — Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4,256 ft. — Recorder Number 5513 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4,292 ft. — Recorder Number 6249 Cap. 4,950 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 45 — Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. — Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 3,400 P.P.M. — Drill Pipe Length 4,242 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number N/A — Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO — 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: FAIR 1" BLOW INCREASING TO 6" (NOBb)
2nd Open: FAIR 1" BLOW ICREASING TO BOTTOM OF BUCKET IN 12.5 MIN (F 3.5"bb)

Recovered 463 ft. of GAS IN PIPE
Recovered 83 ft. of CLEAN OIL 35.4 GRAVITY @ 60 deg.
Recovered 72 ft. of G&OCM 5%GAS, 40% OIL, 55% MUD
Recovered 124 ft. of OCMW 3% OIL, 80% WTR, 17% MUD
Recovered 279 ft. of TOTAL FLUID — CHLORIDES 39,000 Ppm — Price Job
Recovered ____ ft. of ____ — PH 7.0 — Other Charges
Remarks: ____ — RW: .28 @ 45 deg — Insurance
TOOL SAMPLE: 1% OIL, 99% WTR — Total

Time Set Packer(s) 10:59 P.M. A.M. P.M. Time Started Off Bottom 2:33 A.M. A.M. P.M. Maximum Temperature 125

Initial Hydrostatic Pressure ..... (A) 2,076 P.S.I.
Initial Flow Period ..... Minutes 5 (B) 26 P.S.I. to (C) 38 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 771 P.S.I.
Final Flow Period ..... Minutes 60 (E) 46 P.S.I. to (F) 128 P.S.I.
Final Closed In Period ..... Minutes 120 (G) 772 P.S.I.
Final Hydrostatic Pressure ..... (H) 2,068 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.