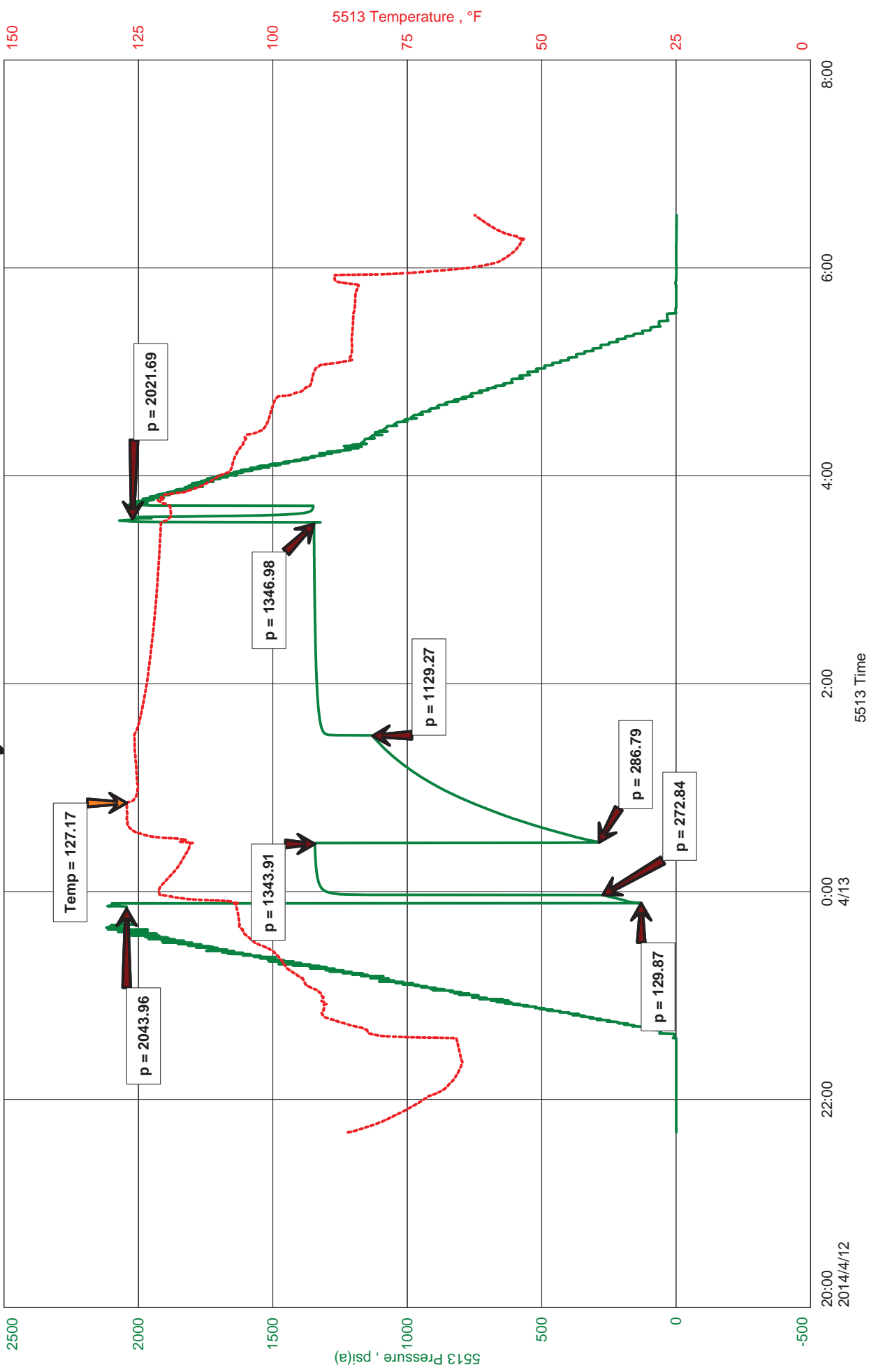


Mull Drilling Company, Inc
DST #2 Cherokee Sand 4259-4355
Start Test Date: 2014/04/12
Final Test Date: 2014/04/13

Byrd #1-23
Formation: Cherokee Sand
Pool: Wildcat
Job Number: K117

Byrd #1-23





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	Mull Drilling Company, Inc	Job Number	K117
Contact	Mark Shreve	Representative	Jason McLemore
Well Name	Byrd #1-23	Well Operator	Mull Drilling Company, Inc
Unique Well ID	DST #2 Cherokee Sand 4259-4355	Prepared By	Jason McLemore
Surface Location	23-19s-23w-Ness	Qualified By	Steve Reed
Field	Pfaff	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Cherokee Sand	Well Operator	Mull Drilling Company, Inc
Well Fluid Type	01 Oil	Report Date	2014/04/13
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2014/04/12	Start Test Time	21:41:00
Final Test Date	2014/04/13	Final Test Time	06:27:00

Test Results

RECOVERED:

2450 VSOCMW, 3% Oil, 87% Water, 10% Mud
2450 TOTAL FLUID

CHLORIDES: 34,000
PH: 7



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: byrd1dst2

TIME ON: 9:41 PM
TIME OFF: 6:27 AM

Company Mull Drilling Company, Inc Lease & Well No. Byrd #1-23
Contractor WW Drilling #10 Charge to Mull Drilling Company, Inc
Elevation KB 2217 Formation Cherokee Sand Effective Pay _____ Ft. Ticket No. K117
Date 4-12-14 Sec. 23 Twp. _____ 19 S Range _____ 23 W County _____ Ness _____ State KANSAS
Test Approved By Steve Reed Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 4259 ft. to 4355 ft. Total Depth 4355 ft.
Packer Depth 4254 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4259 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4240 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4241 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5500 P.P.M. Drill Pipe Length 4104 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Jars & Joint _____ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 96 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong, BOB in 1 Min., Weak Surface Blowback
2nd Open: Strong, BOB in 1 Min., No Blowback

Recovered 2450 ft. of VSOCMW, 3% Oil, 87% Water, 10% Mud
Recovered 2450 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>CHLORIDES: 34,000</u> <u>PH: 7</u>	Total

Time Set Packer(s) 11:54 PM A.M. P.M. Time Started Off Bottom 3:29 AM A.M. P.M. Maximum Temperature 127

Initial Hydrostatic Pressure..... (A) 2044 P.S.I.
Initial Flow Period..... Minutes 5 (B) 129 P.S.I. to (C) 273 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1344 P.S.I.
Final Flow Period..... Minutes 60 (E) 287 P.S.I. to (F) 1129 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1347 P.S.I.
Final Hydrostatic Pressure..... (H) 2022 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.