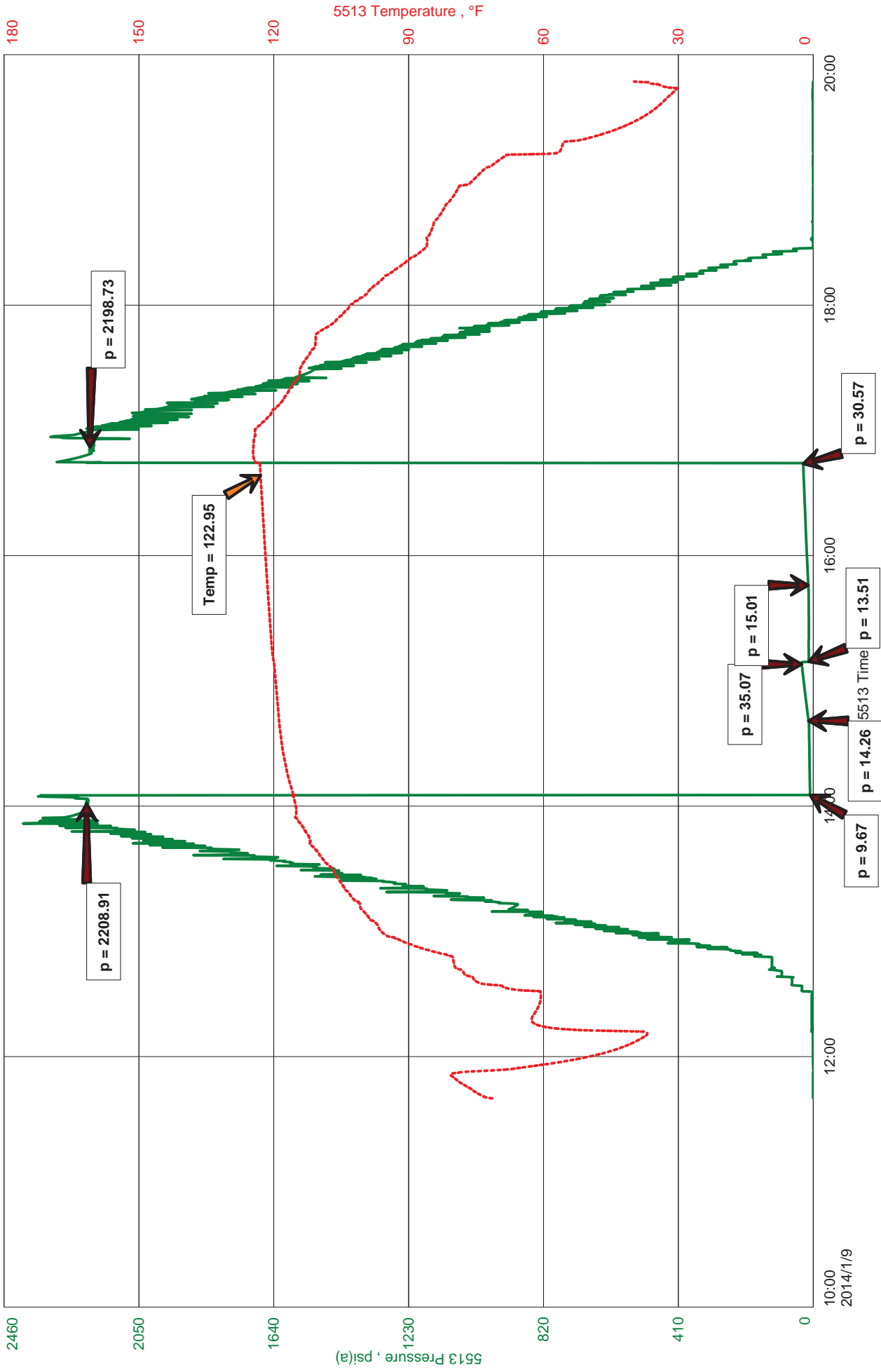


High Bluff Operating, LLC
DST #4 Pawnee b 4548-4592
Start Test Date: 2014/01/09
Final Test Date: 2014/01/09

Miller 13 #1
Formation: Pawnee B
Pool: Wildcat
Job Number: K075

Miller 13 #1





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	High Bluff Operating, LLC	Job Number	K075
Contact	Jamie Brown	Representative	Jason McLemore
Well Name	Miller 13 #1	Well Operator	High Bluff Operating, LLC
Unique Well ID	DST #4 Pawnee b 4548-4592	Prepared By	Jason McLemore
Surface Location	13-6s-13w-Thomas	Qualified By	Bill Kemp
Field	Wildcat	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Pawnee B	Well Operator	High Bluff Operating, LLC
Well Fluid Type	01 Oil	Report Date	2014/01/09
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2014/01/09	Start Test Time	11:40:00
Final Test Date	2014/01/09	Final Test Time	19:40:00

Test Results

RECOVERED:

1	Free Oil
5	OCM, 10% Oil, 90% Mud
6	Total Fluid



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: miller13dst4

TIME ON: 11:40 AM
TIME OFF: 7:40 PM

Company High Bluff Operating, LLC Lease & Well No. Miller 13 #1
Contractor H2 #4 Charge to High Bluff Operating, LLC
Elevation 3352 GL Formation Pawnee B Effective Pay _____ Ft. Ticket No. K075
Date 1-9-14 Sec. 13 Twp. 6 S Range 13 W County Thomas State KANSAS
Test Approved By Bill Kemp Diamond Representative Jason McLemore

Formation Test No. 4 Interval Tested from 4548 ft. to 4592 ft. Total Depth 4592 ft.
Packer Depth 4543 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4548 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4534 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4535 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 54 Drill Collar Length 248 ft. I.D. 2 1/4 in.
Weight 9.6 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 4272 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SJ Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 44 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak, Built to 1/2", No Blowback
2nd Open: Dead, No Blowback

Recovered 1 ft. of Free Oil
Recovered 5 ft. of OCM 10% Oil, 90% Mud
Recovered 6 ft. of Total Fluid

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

Time Set Packer(s) 1:58 PM A.M. P.M. Time Started Off Bottom 3:28 PM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2209 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 35 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 60 (G) 31 P.S.I.
Final Hydrostatic Pressure..... (H) 2199 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.