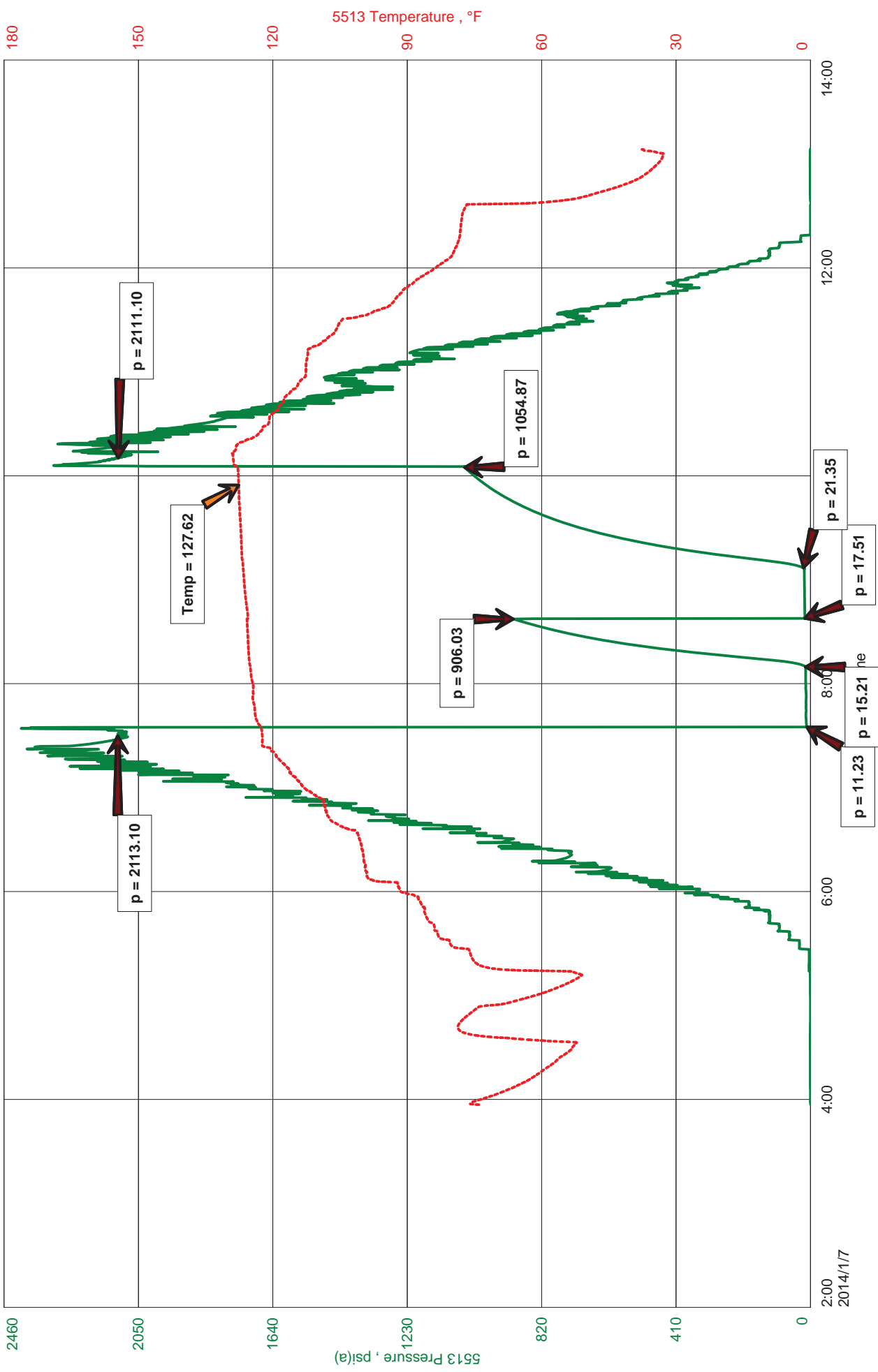


High Bluff Operating, LLC
DST #2 Marmaton 4425-4485
Start Test Date: 2014/01/07
Final Test Date: 2014/01/08

Miller 13 #1
Formation: Marmaton
Pool: Wildcat
Job Number: K073

Miller 13 #1





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	High Bluff Operating, LLC	Job Number	K073
Contact	Jamie brown	Representative	Jason McLemore
Well Name	Miller 13 #1	Well Operator	Jamie brown
Unique Well ID	DST #2 Marmaton 4425-4485	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	Marmaton	Well Operator	Jamie brown
Well Fluid Type	01 Oil	Report Date	2014/01/08
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2014/01/07	Start Test Time	15:57:00
Final Test Date	2014/01/08	Final Test Time	01:10:00

Test Results

RECOVERED:

10	Drilling Mud
10	Total Fluid



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: miller13dst2

TIME ON: 3:57 PM
TIME OFF: 1:10 AM

Company High Bluff Operating, LLC Lease & Well No. Miller 13 #1
Contractor H2 #4 Charge to High Bluff Operating, LLC
Elevation 3352 GL Formation Marmaton Effective Pay _____ Ft. Ticket No. K073
Date 1-7-14 Sec. 13 Twp. 6 S Range 13 W County Thomas State KANSAS
Test Approved By Bill Kemp Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 4425 ft. to 4485 ft. Total Depth 4485 ft.
Packer Depth 4420 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4425 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4411 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4412 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 248 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 4149 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 60 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 3/4", No Blowback
2nd Open: Weak Surface Blow, No Blowback

Recovered 10 ft. of Drilling Mud
Recovered 10 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

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

Time Set Packer(s) 7:35 PM A.M. P.M. Time Started Off Bottom 10:05 PM A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure..... (A) 2113 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 906 P.S.I.
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 21 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1055 P.S.I.
Final Hydrostatic Pressure..... (H) 2111 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.