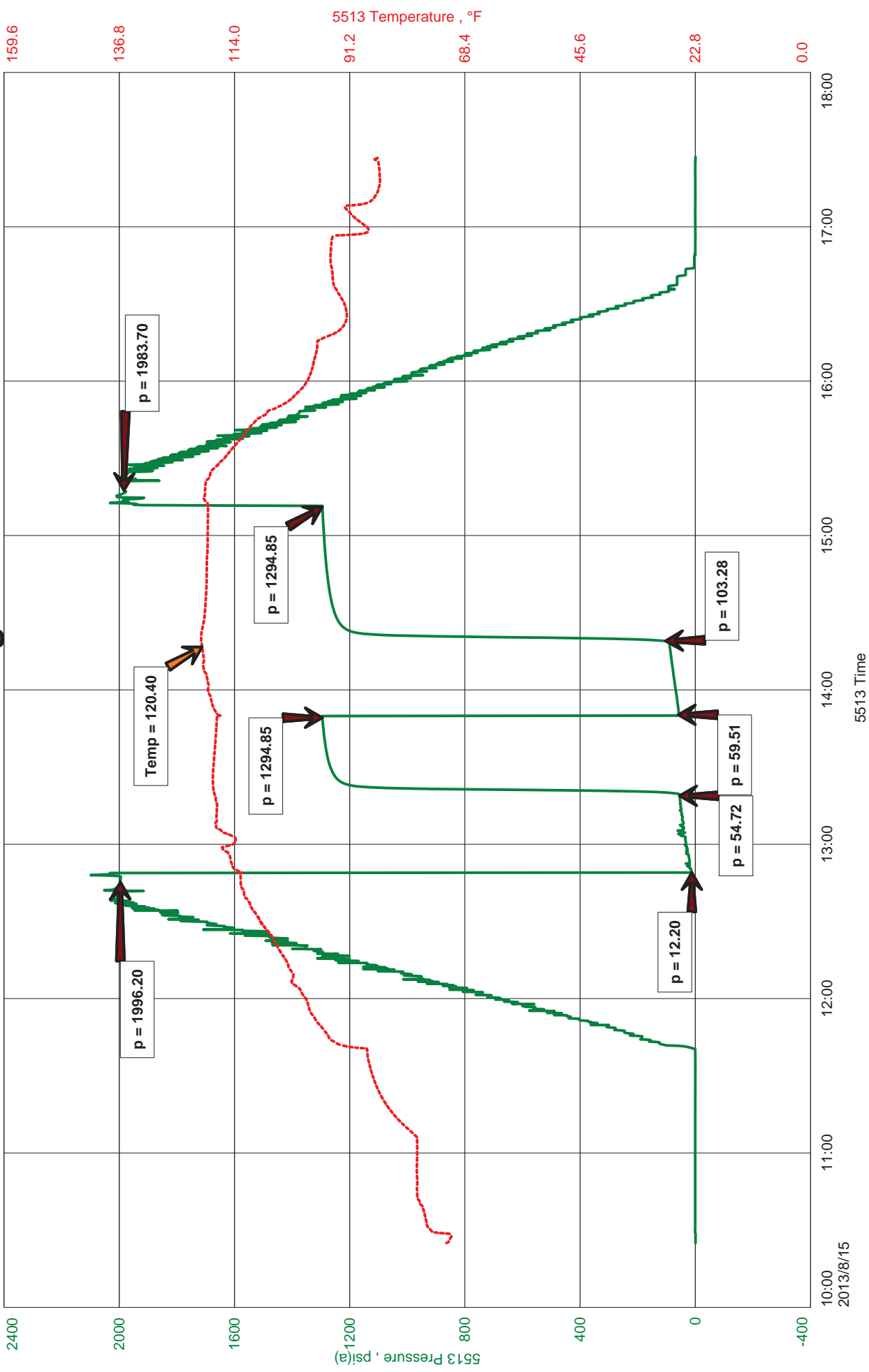


H&D Exploration LLC
DST #4 Simpson 4128-4180
Start Test Date: 2013/08/15
Final Test Date: 2013/08/15

Bartlett-Zeigler #1
Formation: Simpson Sand
Pool: Wildcat
Job Number: K019

Bartlett-Zeigler #1





JASON MCLEMORE

CELL # 620-6170527

General Information

Company Name	H&D Exploration LLC	Job Number	K019
Contact	Alan Hoffman	Representative	Jason McLemore
Well Name	Bartlett-Zeigler #1	Well Operator	H&D Exploration LLC
Unique Well ID	DST #4 Simpson 4128-4180	Prepared By	Jason McLemore
Surface Location	29-25s-12w-Stafford	Qualified By	Josh Austin
Field	Wildcat	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Simpson Sand	Well Operator	H&D Exploration LLC
Well Fluid Type	01 Oil	Report Date	2013/08/15
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2013/08/15	Start Test Time	10:25:00
Final Test Date	2013/08/15	Final Test Time	17:28:00

Test Results

Recovered
 170 Watery Mud, 30%W, 70% Mud
 170 Total Fluid

CHLORIDES: 20000
 PH: 7
 RW: .360 @ 76



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: barzeig1dst3

TIME ON: 10:25
TIME OFF: 17:28:00

Company H&D Exploration, LLC Lease & Well No. Bartlett/Zeigler #1
Contractor Southwind #6 Charge to H&D Exploration, LLC
Elevation 1886 Formation Simpson Sand Effective Pay _____ Ft. Ticket No. K019
Date 8-15-13 Sec. 29 Twp. 25 S Range 12 W County Stafford State KANSAS
Test Approved By Josh Austin Diamond Representative Jason McLemore

Formation Test No. 4 Interval Tested from 4128 ft. to 4180 ft. Total Depth 4180 ft.
Packer Depth 4123 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4128 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4121 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4125 ft. Recorder Number 13306 Cap. 4625 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4000 P.P.M. Drill Pipe Length 4103 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out no Anchor Length 52 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 Blow, Built to 2-1/4", No Return Blow
2nd Open: Weak Blow, Built to 4-1/2", No Return Blow

Recovered 170 ft. of Watery Mud
Recovered 170 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>CHLORIDES: 22000</u>	Insurance
<u>PH: 7</u>	
<u>RW: .360 @ 76</u>	Total

Time Set Packer(s) 12:59 PM A.M. P.M. Time Started Off Bottom 3:14 PM A.M. P.M. Maximum Temperature 120

Initial Hydrostatic Pressure..... (A) 1996 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1295 P.S.I.
Final Flow Period..... Minutes 30 (E) 60 P.S.I. to (F) 103 P.S.I.
Final Closed In Period..... Minutes 45 (G) 1295 P.S.I.
Final Hydrostatic Pressure..... (H) 1984 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.