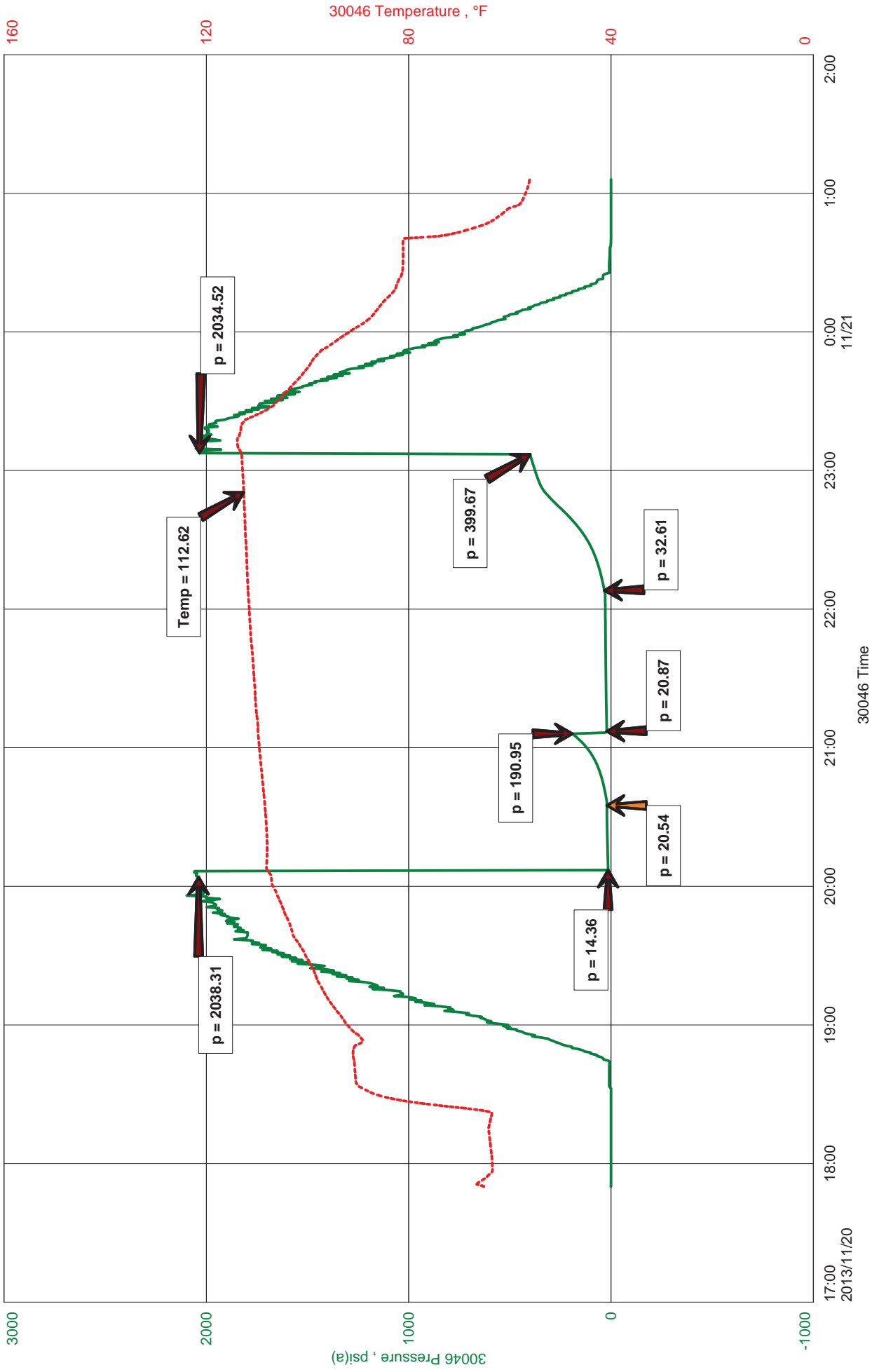


L.D. DRILLING, INC.
DST #1 LANS 'H-J' 4,223' - 4,300'
Start Test Date: 2013/11/19
Final Test Date: 2013/11/20

NICKELSON #2-23
Formation: DST #1 LANS 'H-J' 4,223' - 4,300'

NICKELSON #2-23





DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name NICKELSON #2-23
Unique Well ID DST #1 LANS 'H-J' 4,223' - 4,300'
Surface Location SEC 23-11S-33W LOGAN CO., KS
Field WILDCAT

Test Information

Job Number NO. 1
Test Unit ROGER D. FRIEDLY
Representative L.D. DRILLING, INC.
Well Operator 2013/11/20
Report Date ROGER D. FRIEDLY
Prepared By KIM SHOEMAKER
Qualified By
Test Type CONVENTIONAL
Formation DST #1 LANS 'H-J' 4,223' - 4,300'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2013/11/19 **Start Test Time** 17:50:00
Final Test Date 2013/11/20 **Final Test Time** 01:08:00

Remarks

RECOVERED: 35' HGCOM 2% GAS, 38% OIL, 60% MUD
35' TOTAL FLUID

TOOL SAMPLE: 2% GAS, 26% OIL, 72% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: NICL2-23DST1

TIME ON: 17:50(11-19)
TIME OFF: 01:08(11.20)

Company L.D. DRILLING, INC. Lease & Well No. NICKELSON # 2-23
Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.
Elevation 3,132' KB Formation LANS 'H-J' Effective Pay _____ Ft. Ticket No. _____
Date 11.19.13 Sec. 23 Twp. 11 S Range 33 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 4,223 ft. to 4,300 ft. Total Depth 4,300 ft.
Packer Depth 4,218 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 4,223 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,226 ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) 4,300 ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 40 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,500 P.P.M. Drill Pipe Length 4,201 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SAFTEY JOINT Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 77 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DRILL PIPE IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 2 1/4" NOBB
2nd Open: WEAK 1/4" BLOW INCREASING TO 4" NOBB

Recovered 30 ft. of GAS IN PIPE
Recovered 35 ft. of HGCOM 2% GAS, 38% OIL, 60% MUD
Recovered 35 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>2% GAS, 26% OIL, 72% MUD</u>	Total

Time Set Packer(s) 8:06 PM A.M. P.M. Time Started Off Bottom 11:06 PM A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 2,033 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 191 P.S.I.
Final Flow Period..... Minutes 60 (E) 21 P.S.I. to (F) 33 P.S.I.
Final Closed In Period..... Minutes 60 (G) 400 P.S.I.
Final Hydrostatic Pressure..... (H) 2,035 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.