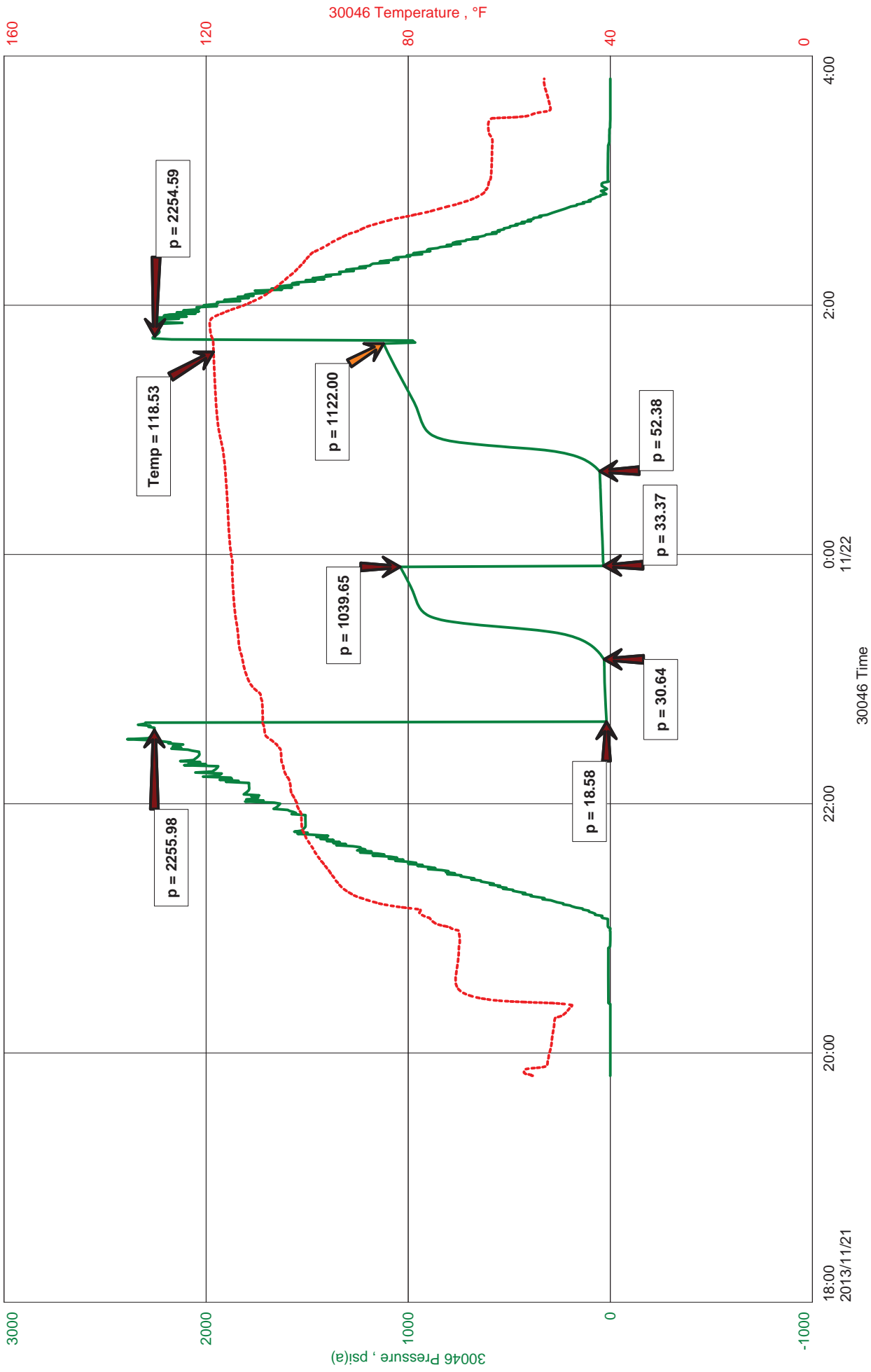


L.D. DRILLING, INC.
DST #2 JOHNSON 4,605' - 4,657'
Start Test Date: 2013/11/21
Final Test Date: 2013/11/22

NICKELSON #2-23
Formation: DST #2 JOHNSON 4,605' - 4,657'

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 #2 JOHNSON 4,605' - 4,657'
Surface Location SEC 23-11S-33W LOGAN CO., KS
Field WILDCAT

Test Information

Test Type	CONVENTIONAL	Job Number	
Formation	DST #2 JOHNSON 4,605' - 4,657'	Test Unit	NO. 1
Test Purpose	Initial Test	Representative	ROGER D. FRIEDLY
Well Fluid Type	01 Oil	Well Operator	L.D. DRILLING, INC
H2S		Report Date	2013/11/22
		Prepared By	ROGER D. FRIEDLY
		Qualified By	KIM SHOEMAKER

Start Test Date	2013/11/21	Start Test Time	19:49:00
Final Test Date	2013/11/22	Final Test Time	03:52:00

Remarks

RECOVERED: 275' GAS IN PIPE
 55' GLEAN OIL 26 GRAVITY @ 60 deg.
 48' HGC0M 2% GAS,42% OIL,56% MUD
 103' TOTAL FLUID

TOOL SAMPLE: 80% OIL, 20% MUD



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: NICL2-23DST2

TIME ON: 19:49(11-21)
 TIME OFF: 03:52(11.22)

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 JOHNSON Effective Pay _____ Ft. Ticket No. _____
 Date 11.21.13 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. 2 Interval Tested from 4,605 ft. to 4,657 ft. Total Depth 4.657 ft.
 Packer Depth 4,600 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
 Packer Depth 4,605 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4,608 ft. Recorder Number 30046 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4,654 ft. Recorder Number 13498 Cap. 3,925 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 58 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,500 P.P.M. Drill Pipe Length 4,579 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #1 Test Tool Length 27 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. 32' DRILL PIPE IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 30 MIN (W 1/4"BB)
 2nd Open: GOOD 4" BLOW INCREASING TO BOTTOM OF BUCKET IN 13 MIN (F 2" BB)

Recovered 275 ft. of GAS IN PIPE
 Recovered 55 ft. of CLEAN OIL 26 GRAVITY @ 60 deg
 Recovered 48 ft. of HGCOM 2% GAS, 42% OIL, 56% MUD
 Recovered 103 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>DIESEL IN BUCKET</u> <u>TOOL SAMPLE: 80% OIL, 20% MUD</u>	Insurance
	Total

Time Set Packer(s) 10:38 P.M. A.M. P.M. Time Started Off Bottom 1:38 A.M. A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure..... (A) 2,256 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1,040 P.S.I.
 Final Flow Period..... Minutes 45 (E) 33 P.S.I. to (F) 52 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1,122 P.S.I.
 Final Hydrostatic Pressure..... (H) 2,255 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.