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Well Name:	Nika 1-15
Location:	500’ FSL & 1485’ FWL Sec. 15 T33S R26W, Meade County, KS
API No.:	15-119-21386
Field Name:	Wildcat
Spud Date:	01/20/2015 Drilling Completed: 01/30/2015
Bottom Hole Location:	As above
Ground Level:	2164' (After location was built) KB Elevation: 2177'
Logged Interval:	4300' TO: 7235'
Drilling Fluid Type:	Freshwater/Gel to 2700', Chemical/Gel to 7235'

DST #1 Chester ‘B’ 5508-5540 30”-60”-45”-90” Initial Open: Strong Blow, B. O. B. 25 sec’s., No blow back, bled off in 3 ½ min., Final open: Strong Blow, B. O. B. immed., No blow back, bled off in 5 min. Rec. 1077’ GIP, 2’ DM (100% M), IHP 2688#, IFP 15-20#, ISIP 1425#, FFP 7-8#, FSIP 1888#, FHP 2653, BHT NA Cl 4,000 ppm

DST #2 Chester ‘C’ 5563-5612 15”-45”-45”-90” Initial Open: Strong blow, B. O. B. in 20 sec’s., No blow back, bled off in 10 min., Final open: Strong Blow, B. O. B. immed., No blow back, Bled off in 15 min., GTS 30” into 2nd op. At 35”: 11#, 1/8” choke, GA 9.5 MCF; at 40”: 13#, 1/8” choke, GA 10.3 MCF; at 45”: 13#, 1/8” choke, GA 10.3 MCF. Rec. 5612’ GIP, 62' GWCM (3% G, 7% W, 90% M), IHP 274#, IFP 39-47#, ISIP 1769#, FFP 32-57#, FSIP 1657#, FHP 2684 BHT 120 Deg. F Cl 18,000 ppm.

DST #3 Viola 6940-7014 15”-45”-15”-45” Initial Open: Weak ¼” Blow, Final open: Weak Surface Blow, No blow back during either shut-in. Rec. 5’ Mud, IHP 3692#, IFP 29-33#, ISIP 1306#, FFP 35-37#, FSIP 430#, FHP 3458# BHT 137 Deg. F

COMMENTS

01/17/15 KODA Set 100' of 20" conductor. Set at 113' KB. Also installed 5' x 5' round, corrugated cellar. 01/19/15 MIRU Sterling Drilling Rig 5. 01/20/2015 Spud 12 ¼”” Surface hole at 2:00 AM. Drilling 12 1/14” Surface hole at 425’. 01/21/15. Waiting on cement at 1495’. 01/22/2015 Drilling 7 7/8” hole at 2233' 01/23/2015 Drilling at 3800’. 01/24/2015 Drilling ahead at 5100’. 01/25/2015 On bottom with DST #1 at 5540’. 01/26/2015 Laying down test tool at 5612’after DST #2. 01/27/2015 Drilling at 6215’. 01/28/2015 Drilling ahead at 6855'. 01/29/2015 Trip out at 7014’ for DST #3. 01/30/2015 Drilling ahead at 7170’. 01/31/2015 Laying down drill pipe at 7235’ RTD.

20” Conductor set at 113’ (KB). Set new 23# 8 5/8” surface pipe at 1490’ KB with 330 sks A-Conn; 3% CC, ¼# PolySal. tailed with 150 sks Premium plus 2% CC, ¼# PolySeal.

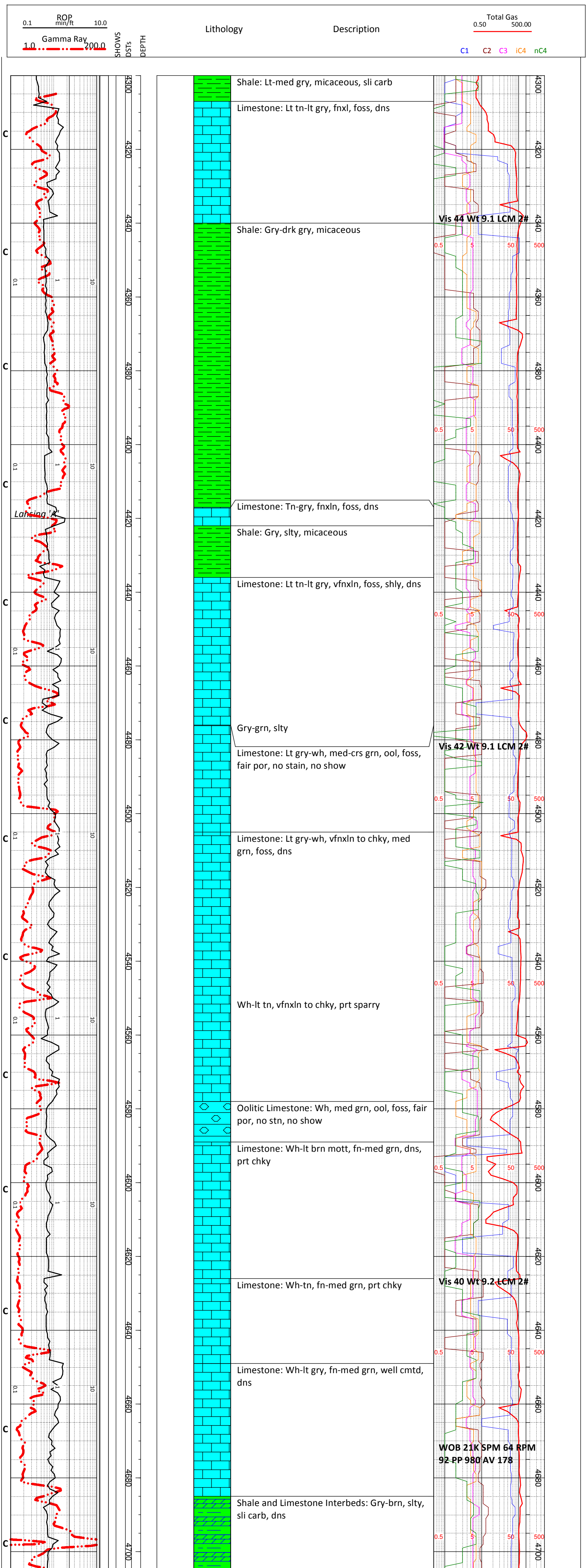
Surveys: ¾ deg at 1370’, 1 1/4 deg at 5275, ¾ degree at 5698, ½ degree at 7200, ¾ degree at 7235.

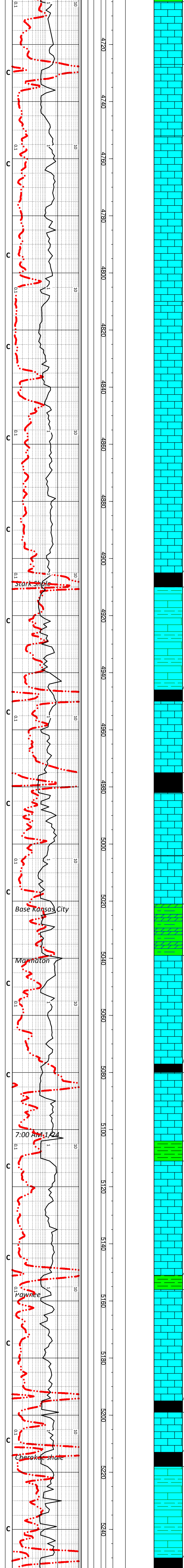
Pipe strap at DST #1. 0.79 Long to board. No correction made to board.

Log tops: Heebner Shale 4227 (-2050), Lansing ‘A’ 4410 (-2233), Stark Shale 4901 (-2724), Marmaton 5035 (-2858), Pawnee 5148 (2971), Chester 5495 (-3318), St. Genevieve 5840 (-3663), St. Louis 6107 (-3930), Spergen 6247 (-4070), Viola 6954 (-4777), Simpson 7107 (-4930), Arbuckle 7165 (-4988).

The Gamma Ray curve was lowered by 5 feet to better match the drilltime and sample description.

After review of Electric Logs, Drillstem test results and sample description the operator has elected to plug and abandon the Nika 1-15.





Limestone: Gry-lt gry, fnxln to med grn, foss, dns

Limestone: Lt gry, fn-med grn, sli inter grn por, no show

Limestone: Wh-lt gry, vfnxln, w/ chrt, gry, frsh

Limestone: Wh-lt tn, vfnxln-chky, foss ool, no stn, no show

Shale Black: Blky, carb

Limestone and Shale Interbeds: Drk brn-gry, fnxln dns, w/ sh, gry, dk gry

Shale Black: Blky, carb

Limestone: Gry-brn, med grn, sli por, no show

Shale Black: Blky, carb

Limestone: Gry-brn, med grn, shly, tite

Limestone: Lt tn, med-crs grn, sli por, no stn, no flour

Shale and Limestone Interbeds: Lt gry-grn, slty, micaceous, w/ lmst interbeds

Limestone: Tn-lt gry, med-crs grn, foss, well cmtd

Shale Black: Blky, carb

Limestone: Lt gry-wh, vfnxl to chky, no por

Limestone: Tn-lt gry, med-crs grn, foss, sli por, no show

Shale: Gry, fiss, foss, plty

Limestone: Tan-wh, med-crs grn, foss, sli por, no stain, no show

Shale: Dk gry, blk, blky, carb

Limestone: Lt gry, lt tn, fnxln to med grn, prt chky, sli por, no stain, no fluor, no show

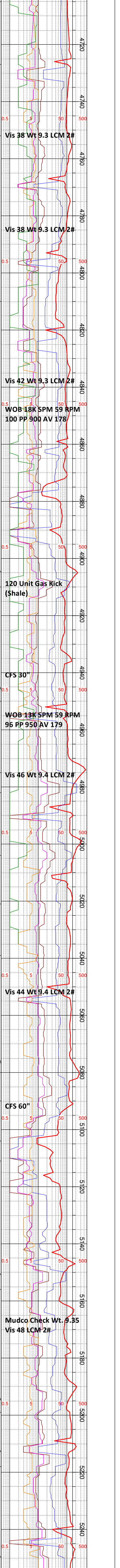
Shale Black: Blky, dns, carb

Limestone: Gry, lt tn, med grn, foss, dns

Shale Black: Blky, dns, carb

Limestone and Shale Interbeds: Lt gry-lt brn, med grn, foss, fnxln matrix, dns

Shale Black: Blky, dns, carb



Vis 38 Wt 9.3 LCM 2#

Vis 38 Wt 9.3 LCM 2#

Vis 42 Wt 9.3 LCM 2#

WOB 18K SPM 59 RPM 100 PP 900 AV 178

120 Unit Gas Kick (Shale)

CFS 30"

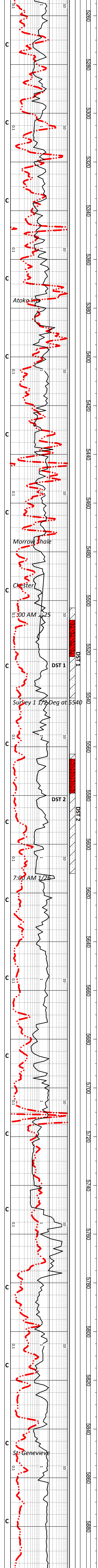
WOB 13K SPM 59 RPM 96 PP 950 AV 179

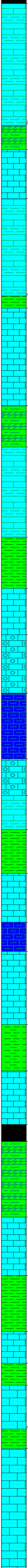
Vis 46 Wt 9.4 LCM 2#

Vis 44 Wt 9.4 LCM 2#

CFS 60"

Mudco Check Wt. 9.35
Vis 48 LCM 2#





Limestone and Shale Interbeds: Lt gry-lt brn, med grn, foss, fnxln matrix, dns

Shale and Limestone Interbeds: Lt gry-gry sh, blky, w/ lms, lt brn to off wh, med-crs grn, foss, ool, dns

Limestone: Lt brn to off wh, med grn, foss, dns

Limestone and Shale Interbeds: Lt brn-tn, crs grn, well cmtd, no por, no sho, w/ sh, gry-dk gry

Shale: Dk gry-blk, blky, hard

Limestone: Lt brn-tn, crs grn, well cmtd, no por, no sho

Shale and Limestone Interbeds: Gry-dk gry-blk sh, blky, w/ Lms, lt brn-tn, crs grn, well cmtd, no por, no sho

Limestone and Shale Interbeds: Lt brn-tn, crs grn, well cmtd, no por, no sho, w/ sh, gry-dk gry

Shale: Med gry, soft, tr glauc, fiss

Limestone: Lt tn-brn, crs grn, well cmtd, shly, w/ sh gry

Limestone with fossils: Med brn, crs grn, wh foss frag, fair inter grn por, sli fluor, no o stn, no cut

Limestone with Shale Stringers: Lt brn, foss, shly, dense w/ sh, gry, drk gry

Limestone with fossils: Lt brn, crs grn wh foss frag, fair inter grn por, sli flour, no o stn, no cut

Limestone and Shale Interbeds: Lt gry, brn, med grn, fnxln matrix, tite, w/ sh, gry, drk gry

Shale: Med gry, gry-brn, fiss

Limestone: Lt gry, crs grn, dk gry foss frag, dense

Limestone with Shale Stringers: Lt gry, crs grn, dk gry foss frag, w/ sh, gry, dk gry

Limestone: Lt gry to off wh, fnxln, foss, tite, w/ cht, lt gry

Shale with sandstone interbeds: Med gry, grn, foss

Limestone: Off wh, lt tn, fnxln to chky matrix, foss, tite

Shale Black: Blky, carb

Shale and Limestone Interbeds: Med gry, dk gry, w/ lms, lt gry, fnxln-chky, foss

Limestone: Lt gry, Fn-med grn, prt chky, dns

Shale: Lt grn, gry, mar, some mustard color, waxy

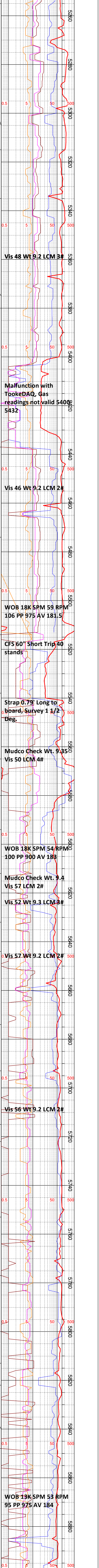
Limestone: Lt gry, fnxln, foss, tite

Shale

Sandy Limestone: Lt gry, off wh, v. sandy, tie, dns

Shale: Lt grn, gry, mar, some mustard color, waxy

Sandy Limestone: Lt gry to off wh, v. sandy, matrix support, dns, tite



Vis 48 Wt 9.2 LCM 3#

Malfunction with TookeDAQ, Gas readings not valid 5400-5432

Vis 46 Wt 9.2 LCM 2#

WOB 18K SPM 59 RPM 106 PP 975 AV 181.5

CFS 60" Short Trip 40 stands

Strap 0.79' Long to board, Survey 1 1/2 Deg.

Mudco Check Wt. 9.35 Vis 50 LCM 4#

WOB 18K SPM 54 RPM 100 PP 900 AV 183

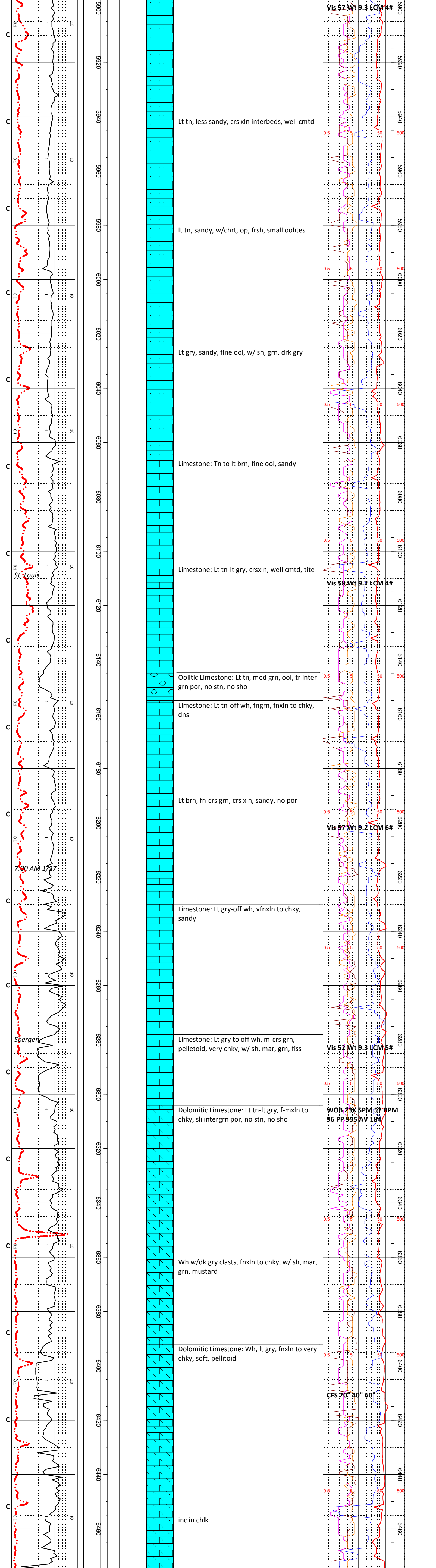
Mudco Check Wt. 9.4 Vis 57 LCM 2#

Vis 52 Wt 9.3 LCM 3#

Vis 57 Wt 9.2 LCM 2#

Vis 56 Wt 9.2 LCM 2#

WOB 13K SPM 53 RPM 95 PP 975 AV 184



Vis 57 Wt 9.3 LCM 4#

Lt tn, less sandy, crs xln interbeds, well cmtd

lt tn, sandy, w/chrt, op, frsh, small oolites

Lt gry, sandy, fine ool, w/ sh, grn, drk gry

Limestone: Tn to lt brn, fine ool, sandy

Limestone: Lt tn-lt gry, crsxln, well cmtd, tite

Vis 58 Wt 9.2 LCM 4#

Oolitic Limestone: Lt tn, med grn, ool, tr inter grn por, no stn, no sho

Limestone: Lt tn-off wh, fngrn, fnxln to chky, dns

Lt brn, fn-crs grn, crs xln, sandy, no por

Vis 57 Wt 9.2 LCM 6#

Limestone: Lt gry-off wh, vfnxln to chky, sandy

Limestone: Lt gry to off wh, m-crs grn, pelletoid, very chky, w/ sh, mar, grn, fiss

Vis 52 Wt 9.3 LCM 5#

Dolomitic Limestone: Lt tn-lt gry, f-mxln to chky, sli intergrn por, no stn, no sho

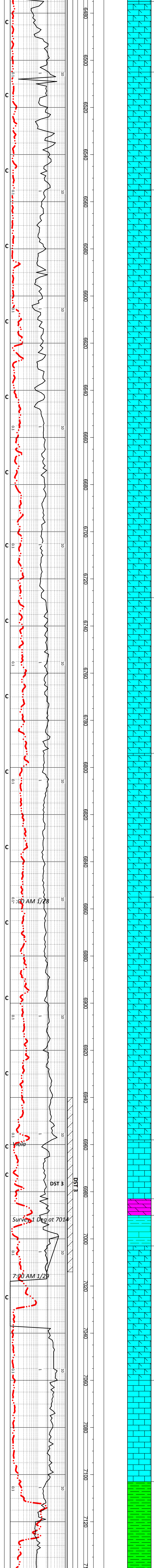
WOB 23K SPM 57 RPM 96 PP 955 AV 184

Wh w/dk gry clasts, fnxln to chky, w/ sh, mar, grn, mustard

Dolomitic Limestone: Wh, lt gry, fnxln to very chky, soft, pellitoid

CFS 20" 40" 60"

inc in chlk



Dolomitic Limestone: Very chky

Dolomitic Limestone: Lt tn, fn-m grn, grny text, py

Dolomitic Limestone: Lt gry, fn grn, gritty, w/ strks Dol, tn, fn grn, dns

Med gry, fn grn, gritty, tite, dns, glauc

Med gry, fn grn, w/ crs xln lms inclusions, glauconitic

Dolomitic Limestone: Med to lt gry, mott, fn grn, grtty, w/ off wh, crs grn inclusions w/ drk clasts

Dolomitic Limestone: Med to drk gry, fn grn, grtty, shly, hrd

Dolomitic Limestone: Med to drk gry, fn grn, grtty, w/ lms, off wh, crs grn, sparry, tite

Drk gry, inc in shale content, w/ sh stks, drk gry

Limestone: Wh to off wh, fnxln matrix, almost chky, lrg foss frags, well cmtd, v fn por, no stn, no fluor, no cut

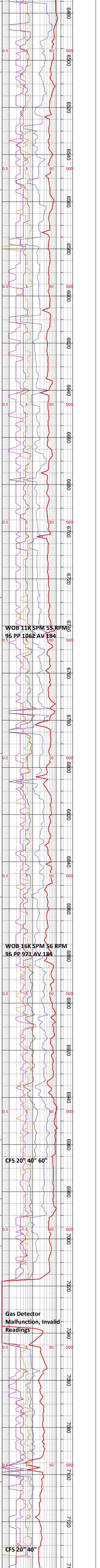
Dolomite: Lt gry, med grn-sucrosic, tite, dns

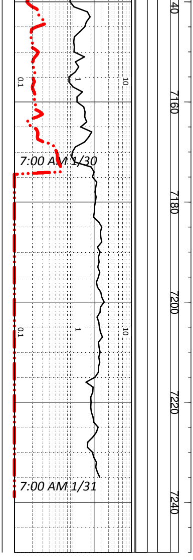
Limestone and Shale Interbeds: Lt tn, wh, vfnxln, tite, w/ sh, red

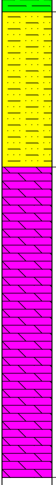
Dolomitic Limestone: Med gry, fn grn, grtty, sli por, no stn, no sho

Limestone: Lt tn-off wh, fn-mxln, prt chky, tite, dns, tr glauc

Shale: Dove gry with blk carb prtgs, some lt grn, blk

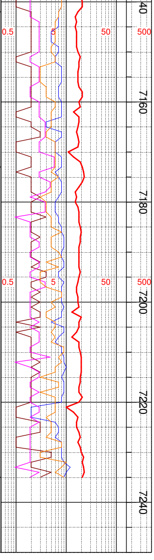






Sandy Silt: Lt gry, fn-med grn, sub-angular, well cmtd, Ca cmt, glauc, sli por, no sho

Dolomite: Lt tn-crm, sucrosic, tite and hrd, sli min fluor, no stn no sho

Tn to off wh, fn xln to sucrosic, tite and dns, no por, sli min fluor