

Scale: 5" / 100'
Measured Depth Log

Well Name	State Antelope 44-21-16XRRLNB		
Location	SESE Sec. 21 T5N R62W		
State	Colorado	County	Weld
Country	United States	Rig Number	Xtreme 19
API Number	05-123-42765-00	AFE #	17056
Geographic Region	D.J. Basin	Field	Wattenberg
Spud Date	8/10/2017	Drilling Completed	8/15/2017
Surface Coordinates	SESE Sec.21 T5N R62W 410 FSL 419 FEL (Lat: 40.37912, -104.32109)		
Bottom Hole Coordinates	Sec. 16 470 FNL 1317 FEL		
Ground Elevation	4,678	K.B. Elevation	4,695
Logged Interval	5,500' MD	To	16,257
Formation	Niobrara "B" Chalk		
Type of Drilling Fluid	Oil Based Mud		

Operator

Company Bonanza Creek
Address Bonanza Creek Energy
410 17th Street
Suite 1400
Denver, CO 80202

Geologist

Name Paul McKay
Company Bonanza Creek Energy
Address Bonanza Creek Energy
410 17th Street
Suite 1400
Denver, CO 80202

Other

Robert Davis Wellsite
Dan Kabala Wellsite

Zone Color

Oil
Note
Error

Condensate
Core
Water

tor

gyst

e Geologist
e Geologist

Coding



Rock Types

UNKNOWN	MARLSTONE	SILTSTONE	BENTONITE
GYPSUM	CLAYSTONE	SANDSTONE	TUFF
LIMESTONE	SHALE	CONGLOMERATE	CEMENT
CHERT	SHALE GRAY	BRECCIA	CHALK
COAL	SHALE COLORED	TILL	SILTY SHALE

Accessories

FORAMINIFERA	GLAUCONITE	COAL STRINGER
FOSSIL	ANHYDRITIC	DOLOMITE STRINGER
ALGAE	GASTROPOD	GYPSUM STRINGER
AMPHIPORA	OOLITE	LIMESTONE STRINGER
BELEMNITE	OSTRACOD	MARLSTONE (CALC) STRG
BIOCLASTIC	PELECYPOD	MARLSTONE (DOL) STRG
BRACHIOPOD	PELLET	SANDSTONE STRINGER
BRYOZOA	PISOLITE	SHALE STRINGER
CEPHALOPOD	PLANT REMAINS	SILTSTONE STRINGER
CORAL	PLANT SPORES	CHALK STRINGER
CRINOID	SCAPHOPOD	SILTY SHALE STRINGER
ECHINOID	STROMATOPOROID	
FISH	FERRUGINOUS PELLET	
	FERRUGINOUS	

Stringer

Minerals

Oil Show

MOLD	ORGANIC
DEAD	PINPOINT
EVEN	VUGGY

QUESTIONABLE

SPOTTED STAINING

Engine

Porosity

E EARTHY	CONN
FENESTRAL	CORE
FRACTURE	FAULT
INTERCRYSTALLINE	CORE
INTEROOLITIC	

Other Symbols

FORMATION TOP	SUBANG	PACKSTONE
OIL SHOW	SUBRND	WACKESTONE
SIDEWALL CORE (LEFT)		
SIDEWALL CORE (RIGHT)		



Textures Sorting

SLIDE	BOUNDSTONE	MODERATE
SURVEY	CHALKY	POOR
TRIP GAS	CRYPTOXLN	WELL

Cut

WIRELINE TESTED - LEFT	E EARTHY
WIRELINE TESTED - RT	FINELYXLN

Rounding

SECTION GAS	ES	GRAINSTONE		No Cut
LOST	L	LITHOGRAPHIC		Fair Cut
RECOVERED	A	ANGULAR		Good Cut
R	ROUNDED	MS	MUDSTONE	Blank

Logger on Shift

Daniel on tour

Curve/Survey Data

GAS

100
100 GAS SCALE -60 TO 540 (60 UNITS/DIVISION)

540
540

297u

540
540

MD: 5,641'

C1

DRILLING ON OIL BASED MUD

GAS (units)

GAS (units)

GAS (units)

Inclination: 0°

C2

C1-C5 (Units)

C1-C5 (Units)

C1-C5 (Units)

C1-C5 (Units)

Azimuth: 112°

C3

CONNECTIONS MARKED WITH RED TRIANGLES

C1-C5 (Units)

C1-C5 (Units)

C1-C5 (Units)

TVD: 5,60'

C4

CONNECTIONS MARKED WITH RED TRIANGLES

C1-C5 (Units)

C1-C5 (Units)

C1-C5 (Units)

VS: -357'

C5

CONNECTIONS MARKED WITH RED TRIANGLES

C1-C5 (Units)

C1-C5 (Units)

C1-C5 (Units)

VS: -357'

Connections

CONNECTIONS MARKED WITH RED TRIANGLES

CONNECTIONS MARKED WITH RED TRIANGLES

CONNECTIONS MARKED WITH RED TRIANGLES

CONNECTIONS MARKED WITH RED TRIANGLES

VS: -357'

Curve/Survey Data

ROP

ROP SCALE 0-1000

WOB 9.5K

WOB 9.5K

WOB 9.5K

MD: 5,551'

GAMMA

GAMMA SCALE 0-250

RPM 62

RPM 62

RPM 62

Azimuth: 112°

(GAMMA & SURVEYS RECEIVED FROM BAKER HUGHES)

PP 2538

PP 2538

PP 2538

TVD: 5,511'

Depth Labels

ROP SCALE 0-1000

GAMMA SCALE 0-250

ROP (ft/hr)

GAMMA (API)

VS: -357'

Sample Photographs

% Lith

BONANZA CREEK ENERGY
STATE ANTELOPE 44-21-16XRLNB
SEC 21, T5N R62W
WELD CO., CO

LOGGERS:
ROBERT DAVIS
DAN KABALA

Well Bore

TVD

CALLLED OUT @ 14:12 ON 8/11/2017.
COMMENCED LOGGING @ 5500' MD @
20:09 ON 8/11/2017 WITH BIT #. 1, SIZE:
8.5", BRAND: BAKER, TYPE: AT505F,
SERIAL #: 7162153 IN @ 1650 MD out on
8/15/2017 @ 16257' MD, Drilled 14607', 57.5
Bit Hours

TVD (ft)

TVD (ft)

TVD (ft)

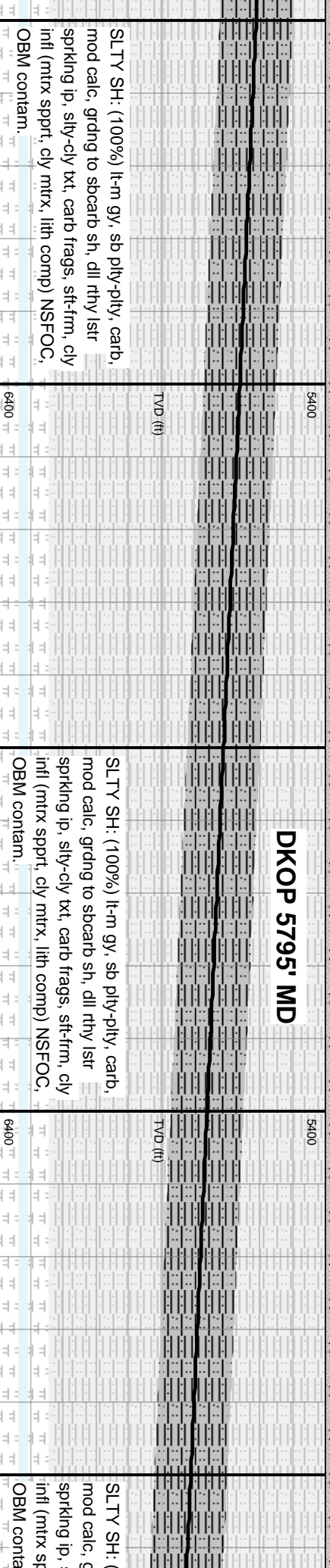
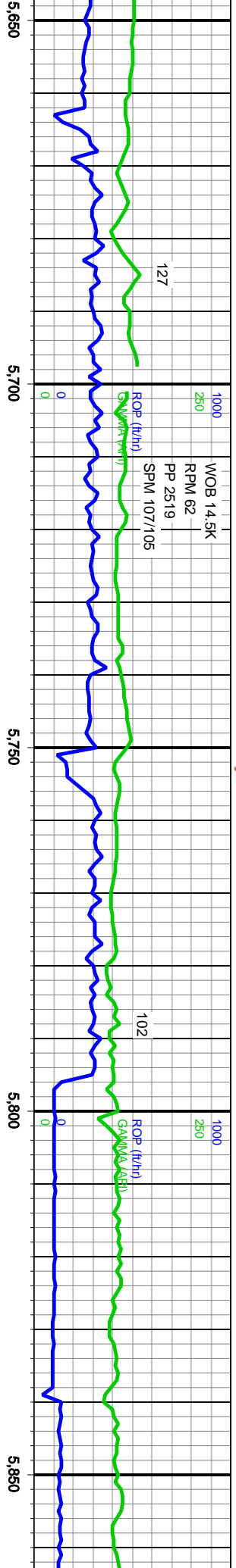
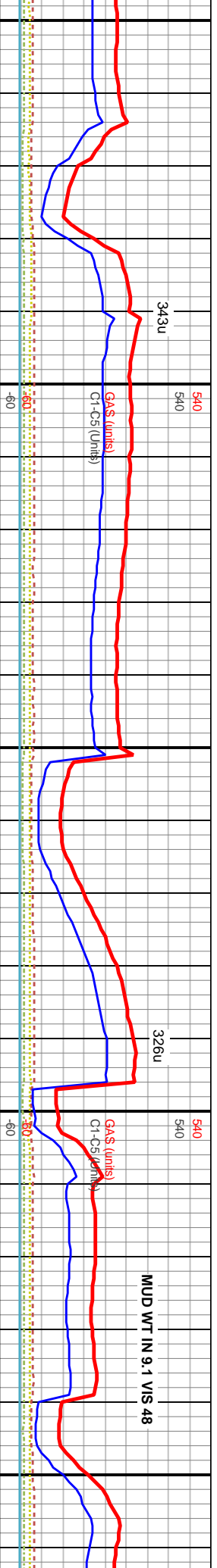
VS: -357'

SLTY SH: (100%) lt-m gy, sb ply-pty, carb,
mod calc, grding to sbcarb sh, dll rthy lstr
sprking ip, slty-cly txl, carb frags, sft-frm, cly
infi (mtrx spprt, cly mtrx, lith comp) NSFOC,
OBM contam.

Survey Data

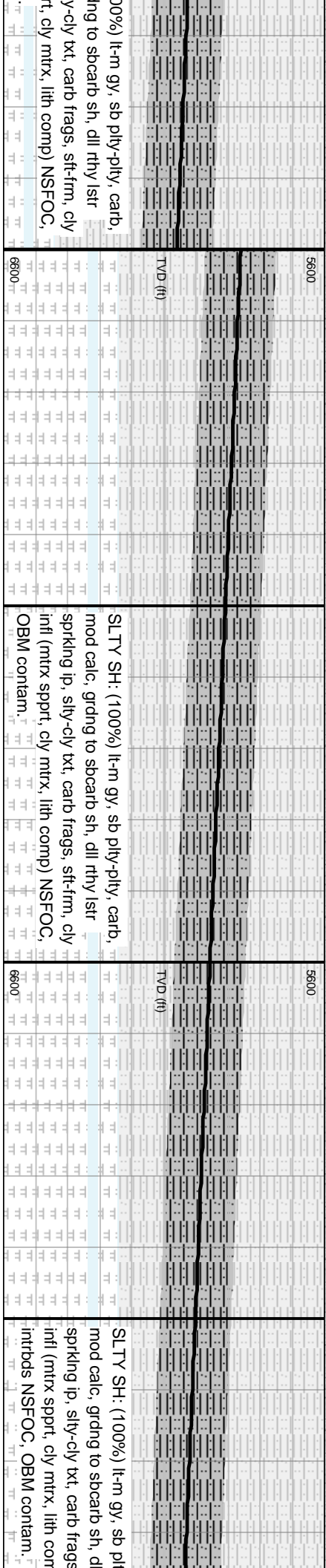
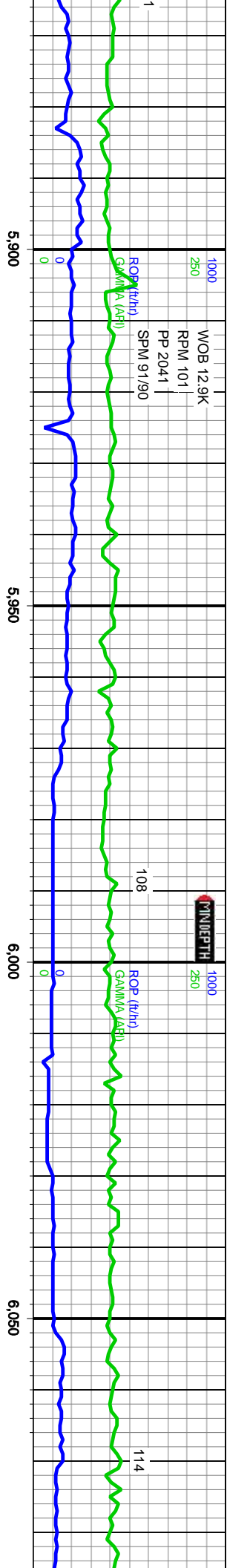
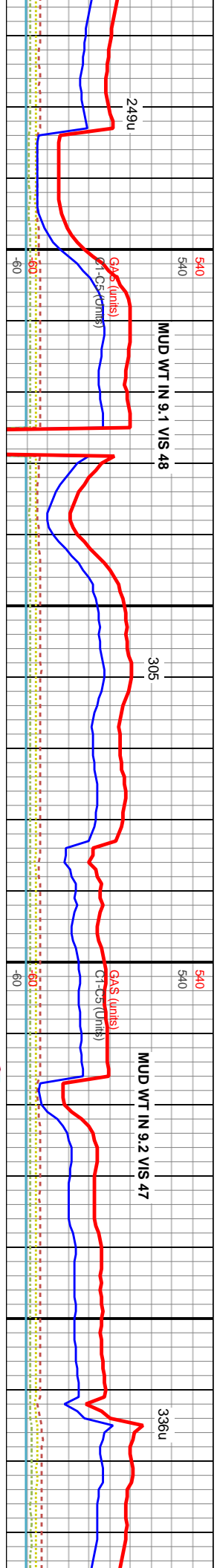
MD: 5,551'
Inclination: 0°
Azimuth: 112°
TVD: 5,511'
VS: -357'

MD: 5,641'
Inclination:
Azimuth: 3
TVD: 5,60'
VS: -357'



MD: 5,728'
Inclination: 0°
Azimuth: 15°
TVD: 5,688'
VS: -357'

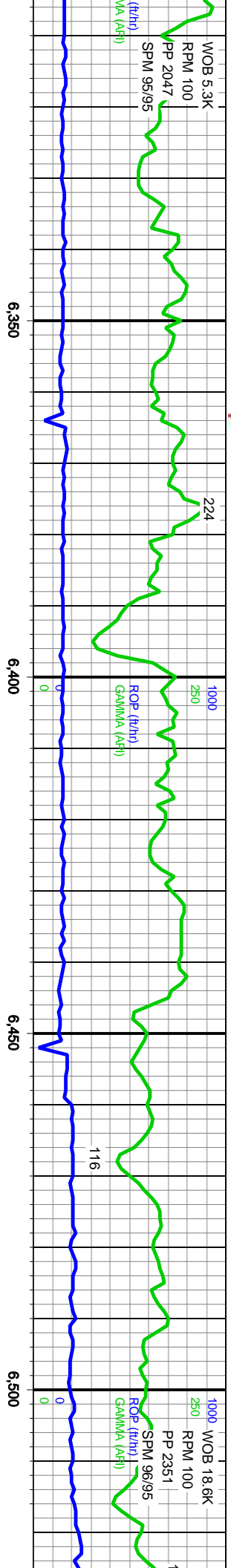
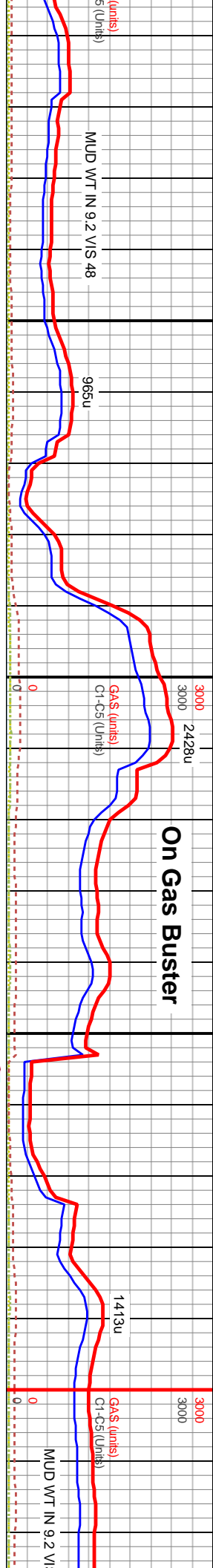
MD: 5,817'
Inclination: 2°
Azimuth: 351°
TVD: 5,777'
VS: -356'



MD: 5,903'
Inclination: 11°
Azimuth: 357°
TVD: 5,862'
VS: -346'

MD: 5,992'
Inclination: 19°
Azimuth: 358°
TVD: 5,948'
VS: -323'

MD: 6,081'
Inclination: 35°
Azimuth: 350°
TVD: 6,030'
VS: -287'



Five		6000	Target change to 6342' TVD -15'		6000
"B" TOP @ 6191' TVD 6297' MD			NIOBRARA "A" CHALK @ 6241' TVD 6390' MD		
MARL: (90%) med drk-dk gry, gryblk ip, rthy-wxy, prk-chp, pred sbply, tblr & stff, sl-mod calc, abn carb to mtrx, tr BENT SH w pyr nods.			MARL: (80%) med brwn-dk brwn, mod frm-frm, sbply, rthy-wxy, ooc calc incls, introbd w med gry-blk carb mat, CARB SH: (20%) med drk-dk gry, gryblk ip, smth, rthy-wxy, prk-chp, pred sbply, tblr & bldd cting to, stff, sl-mod calc, abn carb to mtrx, tr BENT SH w pyr nods.		
MD: 6,343'			NIOBRARA "A" MARL TOP @ 6246' TVD 6401' MD		
Inclination: 57°			MARL: (60%) lt brwn-lt gry brwn, sbply-sb blk, dll rthy lstr sprkling ip, dns crmbly ten, v carb, mic xln sug txt, frm, mttld w whi mcrte spks & blk carb mat to, est 20-30% micrite. MARL: (40%) med brwn-dk brwn, mod frm-frm, sbply, rthy-wxy, introbd w med gry-blk carb mat, MRLY CHLK: (10%) lt brwn-lt gry brwn, sbply-sb blk, dll rthy lstr, dns crmbly ten, v carb, mic xln sug txt, frm, mttld w blk carb mat to, est 20-30% micrite, vry tr amnt BENT SH w pyr nods.		
Azimuth: 358°			MARL: (90%) brwn-dk brwn, mod frm-frm, sbply, rthy-wxy, introbd w med gry-blk carb mat, MRLY CHLK: (30%) sbply-sb blk, dll rthy carb, mic xln sug txt, frm, mttld w blk carb mat to, est 20-30% micrite, vry tr amnt BENT SH w pyr nods.		
TVD: 6,219'			MARL: (70%) brwn-dk gry, gryblk ip, rthy-wxy, introbd w med gry-blk carb mat, MRLY CHLK: (30%) sbply-sb blk, dll rthy carb, mic xln sug txt, frm, mttld w blk carb mat to, est 20-30% micrite, vry tr amnt BENT SH w pyr nods.		
VS: -110'			MARL: (70%) brwn-dk gry, gryblk ip, rthy-wxy, introbd w med gry-blk carb mat, MRLY CHLK: (30%) sbply-sb blk, dll rthy carb, mic xln sug txt, frm, mttld w blk carb mat to, est 20-30% micrite, vry tr amnt BENT SH w pyr nods.		

MD: 6,343'

Inclination: 57°

Azimuth: 358°

TVD: 6,219'

VS: -110'

MD: 6,430'

Inclination: 67°

Azimuth: 358°

TVD: 6,260'

VS: -34'

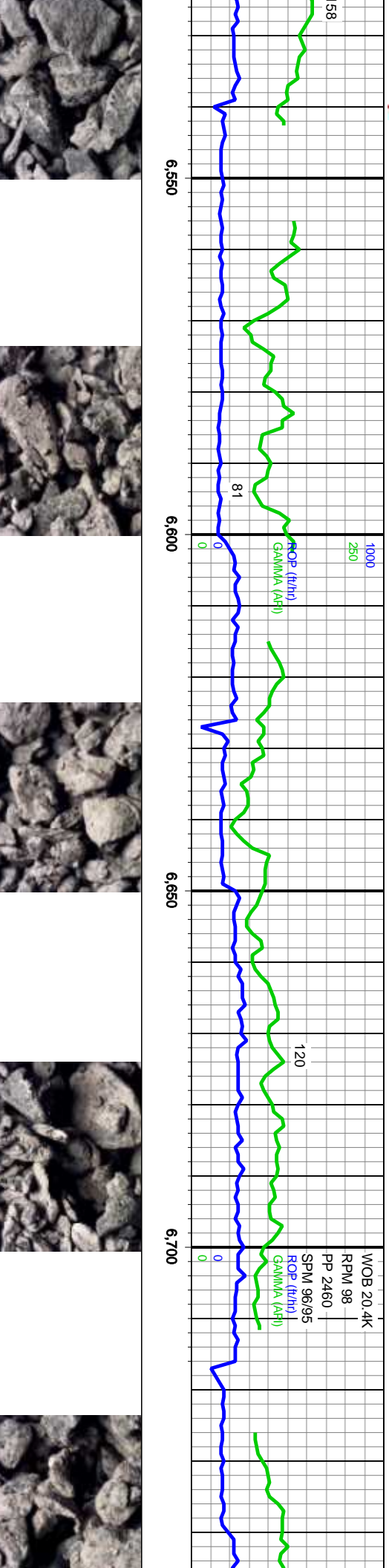
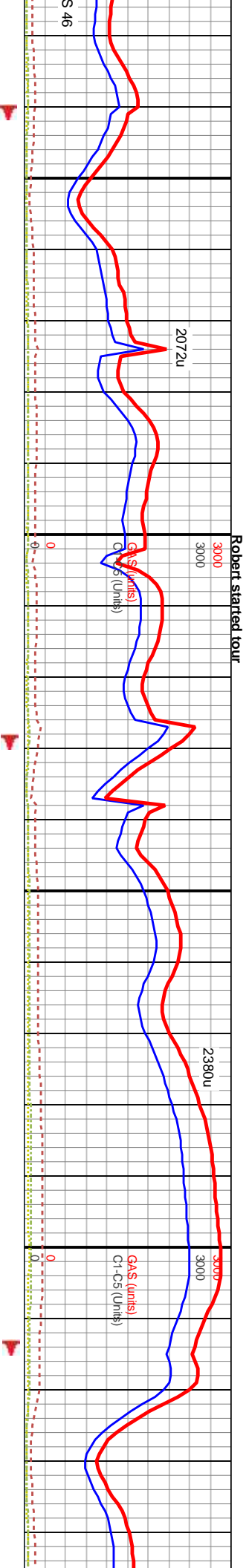
MD: 6,517'

Inclination: 70°

Azimuth: 357°

TVD: 6,291'

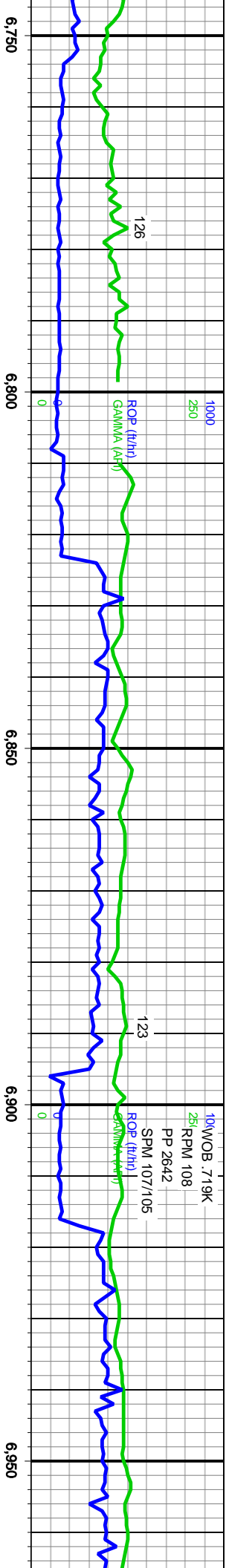
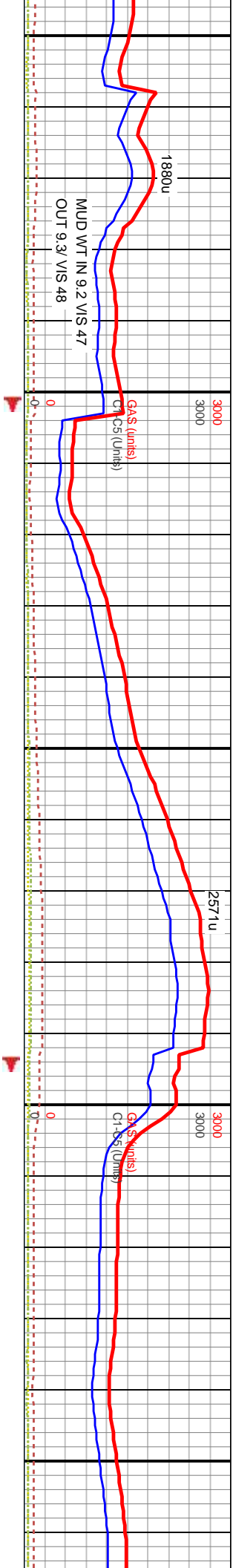
VS: 47'



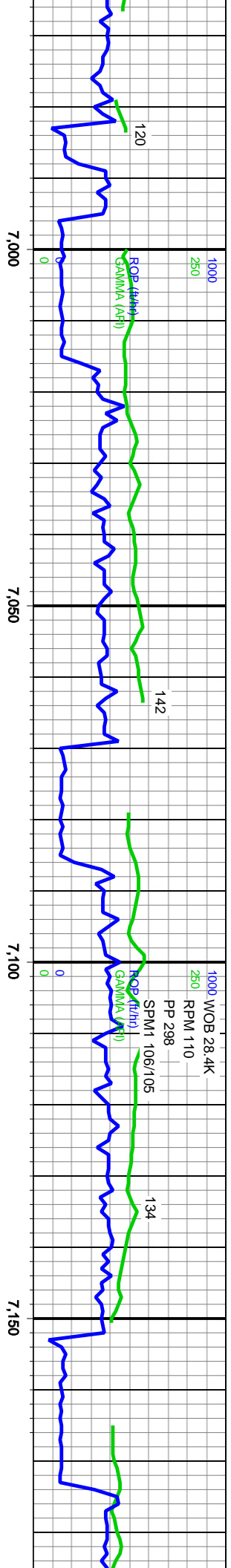
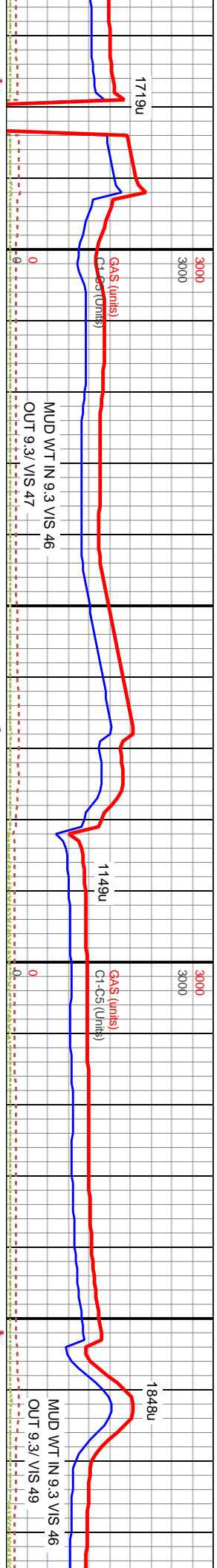
NIOBRARA "B" CHALK @ 6308' TVD 6570' MD										NIOBRARA "B" MARL TOP @ 6340'																													
6000										6000																													
brwn, mod frm-frm, w med gry-blk carb (%) lt brwn-lt gry brwn, ist, dns crmbly ten, v m, mtlld w blk carb rite, vly tr annt BENT										CHK:(60%) lt- med gy, sb blk, wxy-rthy tex, sl sft, occ mod frm, v calc, tr cal incl, MRLST:(40%) med- dk gy, mot-spec, sit gr, sl frm, sb pty- pty, gt tex, calc, abn foss frag, alt BENT (phylo) w pyr nodes & BENT SH w pyr nodes										CHK:(75%) lt- med gy, sb blk, wxy-rthy tex, sl sft, occ mod frm, v calc, tr cal incl, MRLST:(25%) med- dk gy, mot-spec, sit gr, sl frm, sb pty- pty, gt tex, calc, occ fos frags										CHK:(80%) lt- med gy, sb blk, wxy-rthy tex, sl sft, occ mod frm, v calc, tr cal incl, MRLST:(20%) med- dk gy, mot-spec, sit gr, sl frm, sb pty- pty, gt tex, calc, occ fos frags									
TVD (ft)										TVD (ft)										TVD (ft)																			
7000										7000										7000																			

MD: 6,605'
Inclination: 74°
Azimuth: 355°
TVD: 6,318'
VS: 131'

MD: 6,694'
Inclination: 83
Azimuth: 355°
TVD: 6,336'
VS: 218'



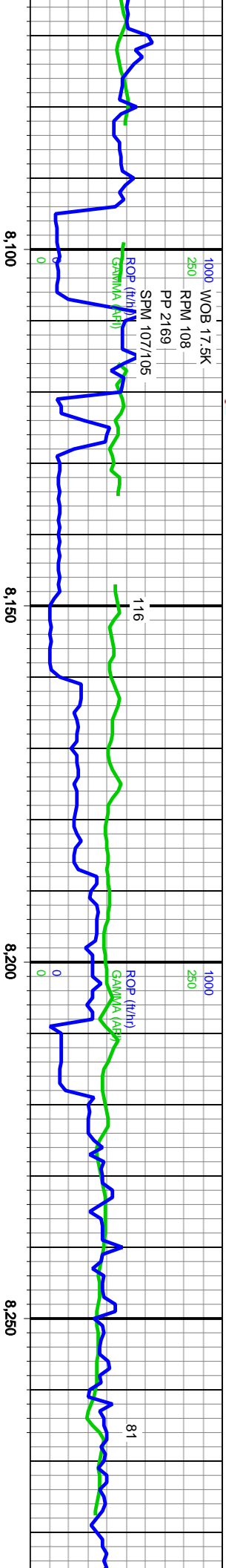
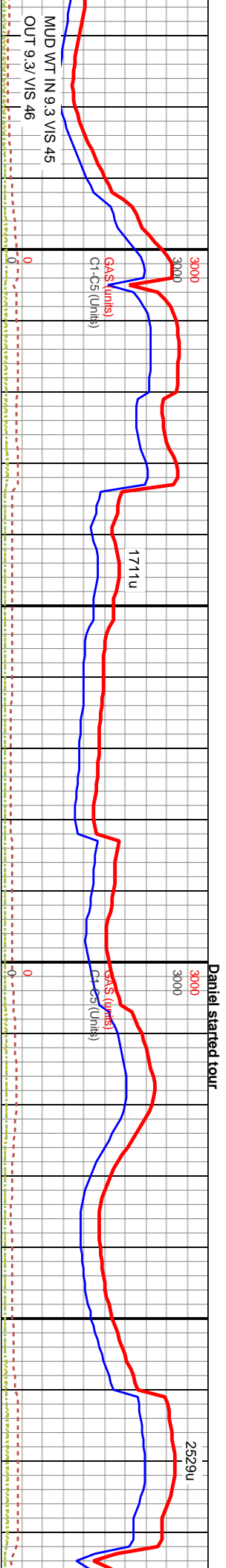
TVD 6746' MD										Landed Curve @ 6783' MD 6342' TVD										Begin 100' Sample Interval										TVD 6746' MD									
CHK:(50%) lt- med gy, sb blk, wxy-rthy tex, sl sft, occ mod frm, v calc, tr cal incl, MRLST:(50%) med- dk gy, mot-spec, slt gr, sl frm, sb ply- ply, gt tex, calc, occ fos frags										CHK:(50%) lt- med gy, sb blk, wxy-rthy tex, sl sft, occ mod frm, v calc, tr cal incl, MRLST:(50%) med- dk gy, mot-spec, slt gr, sl frm, sb ply- ply, gt tex, calc, occ fos frags										MRLST:(70%) med-dk gy, mot-spec, slt gr, sl frm, sb ply- ply, gt tex, calc, mod bent, tr pyr: CHK:(30%) lt-med gy, str, sb ply-blky, brit, sl sft, sb rthy-sm tex, v calc, occ foss frags										MRLST:(75%) med-dk gy, mot-spec, slt gr, sl frm, sb ply- ply, gt tex, calc, mod bent, tr pyr: CHK:(25%) med-dk gy, mot-spec, slt gr, sl frm, sb ply- ply, gt tex, calc, occ fos frags									
TVD (ft)										TVD (ft)										TVD (ft)										TVD (ft)									
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6000									
Niobrara B Chalk									
TVD (ft)									
Niobrara B Marl									
TVD (ft)									
6000									
MRLST: (65%) med-dk gy, mot-spec, silt									
gr, sl frm, sb pily-pily, gt tex, calc, mod									
bent, tr pyr, CHK: (35%) lt-med gy, str, sb									
pily-blky, brit, sl sft, sb rthy-sm tex, v									
calc, occ foss frags									
7000									
6000									
MRLST: (50%) med-dk gy, mot-									
sl frm, sb pily-pily, gt tex, calc, r									
pyr, CHK: (50%) lt-med gy, str, s									
brit, sl sft, sb rthy-sm tex, v calc									
frags									
7000									

MD: 7,044'
Inclination: 90°
Azimuth: 354°
TVD: 6,343'
VS: 568'

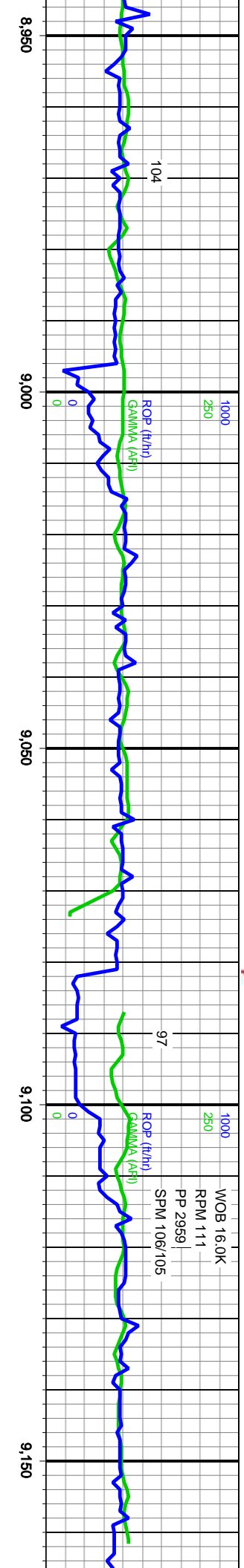
MD: 7,130'
Inclination: 89°
Azimuth: 356°
TVD: 6,344'
VS: 664'

[illegible]

MD: 8,098'
Inclination: 90°
Azimuth: 355°
TVD: 6,336'
VS: 1,621'

MD: 8,185'
Inclination: 90°
Azimuth: 359°
TVD: 6,336'
VS: 1.708'

MD: 8,273'
Inclination: 90°
Azimuth: 4°
TVD: 6,336'
VS: 1.796'



6000		6000		6000	
Niobrara B Chalk		Niobrara B Marl		Niobrara B Chalk	
MARL: (60%) med brwn-drk brwn, mod frm-frm, sbbiky, rthy, calc incls, intrbd w med gry-blk carb mat (SH), hly mttld w whi micrtc spks, abn alt BENT w pyr nodes, ls calc frag & ARAG. MRL Y CHLK: (20%) lt brwn-lt gry brwn, sb pily-sb blkly, dll rthy lstr sprkng ip, dns crmbly ten, v carb, mic xln sug txt, frm, mttld w whi micrtc spks & blk carb mat to, est ~30% micrite, fossiliferous, CARB CHLK: (20%).		CHLK: (50%) mttld med c rthy lstr, blkly-sbbiky, mo mtrix, intr chlk por, mrlly, b med brwn-drk brwn, mod ip, calc incls, intrbd w me		BENT w pyr nodes, ARAG	

MD: 8,976'

Inclination: 90°

Azimuth: 360°

TVD: 6,335'

VS: 2,497'

MD: 9,062'

Inclination: 90°

Azimuth: 3°

TVD: 6,335'

VS: 2,582'

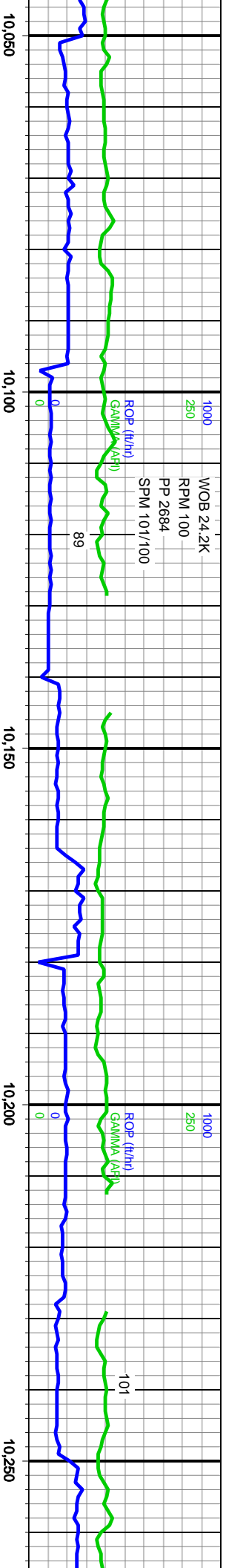
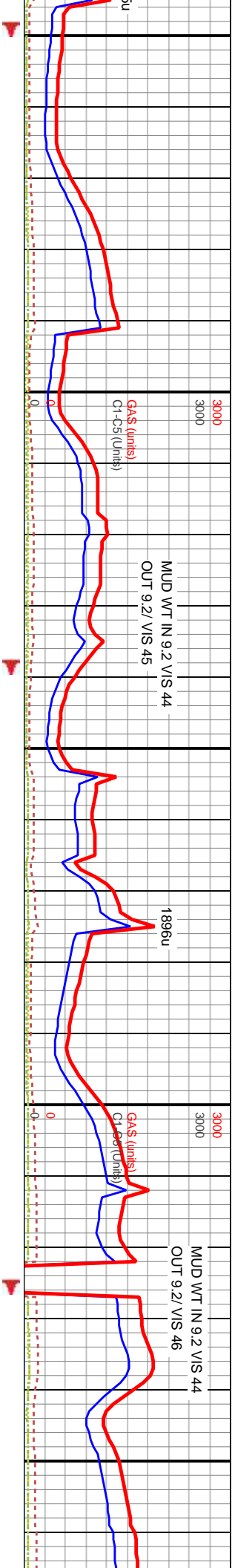
MD: 9,148'

Inclination: 90°

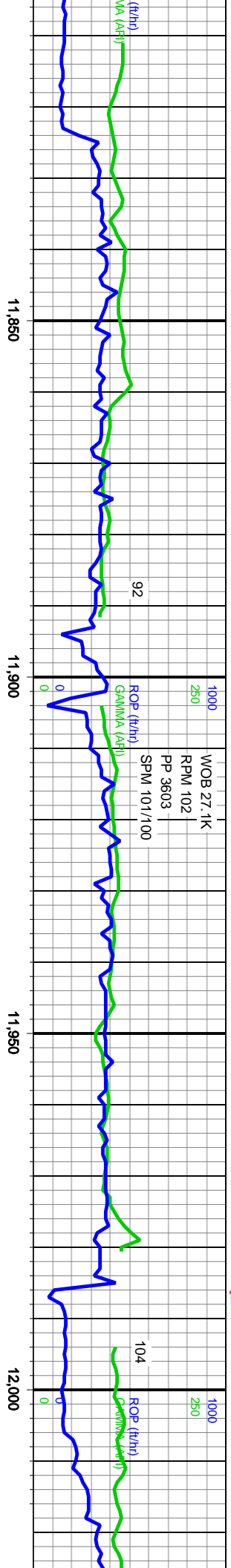
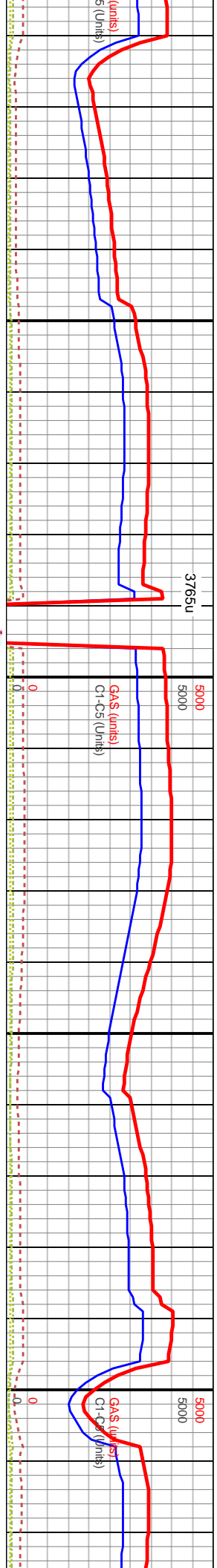
Azimuth: 4°

TVD: 6,334'

VS: 2,668'



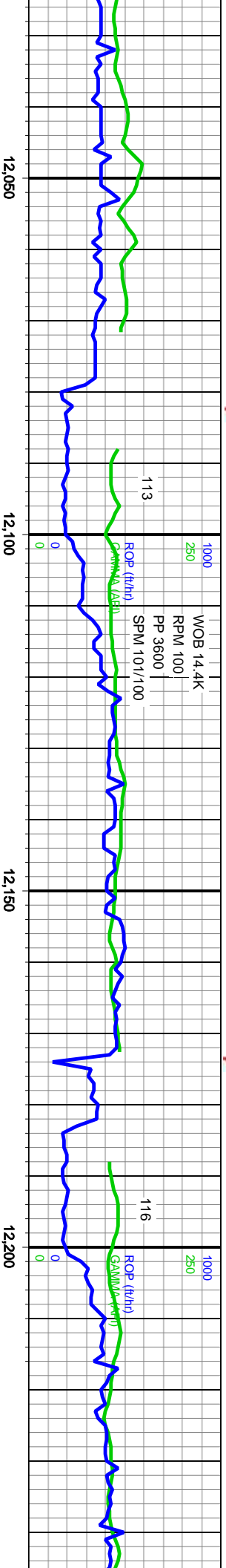
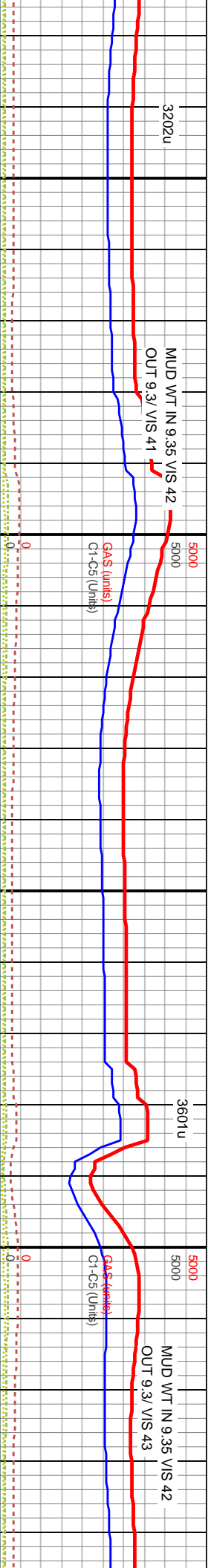
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Fault		Niobrara B Chalk	
6000		6000	
7000		7000	
CHLK: (70%) mtltd med gry, lt brwn gry ip, chiky txt, dull		CHLK: (70%) mtltd med gry, lt brwn gry ip, chiky txt, dull	
rthy istr, biky-sbchiky, mod hrd-frn, arg w ~30-40% cly		rthy istr, biky-sbchiky, mod hrd-frn, arg w ~30-40% cly	
mtx, infr chlk por, mrlly, blk carb mat to, MARL: (30%)		mtx, infr chlk por, mrlly, blk carb mat to, MARL: (30%)	
med brwn-dtk brwn, mod frm-frn, sbbiky, rthy sprkng		med brwn-dtk brwn, mod frm-frn, sbbiky, rthy sprkng	
ip, calc incls, intrbd w med gry-blk carb mat (SH), tr alt		ip, calc incls, intrbd w med gry-blk carb mat (SH), tr alt	
BENT w pyr nodes, ARAG, fossiliferous.		BENT w pyr nodes, ARAG, fossiliferous.	

MD: 11,871'
Inclination: 91°
Azimuth: 358°
TVD: 6,340'
VS: 5.386'

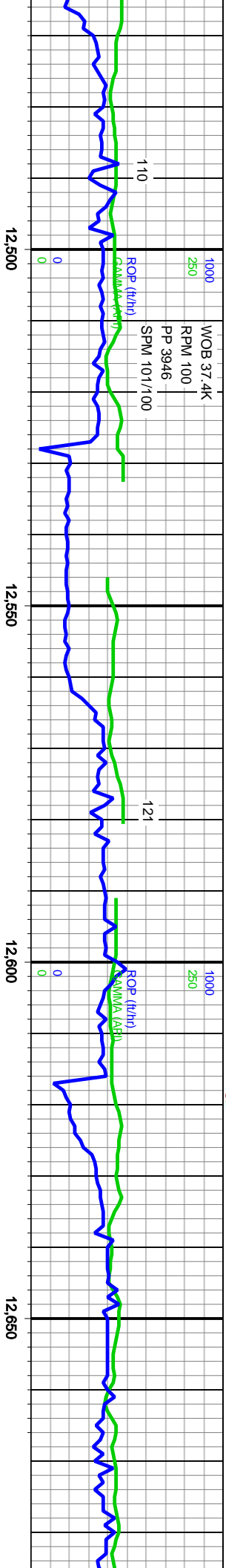
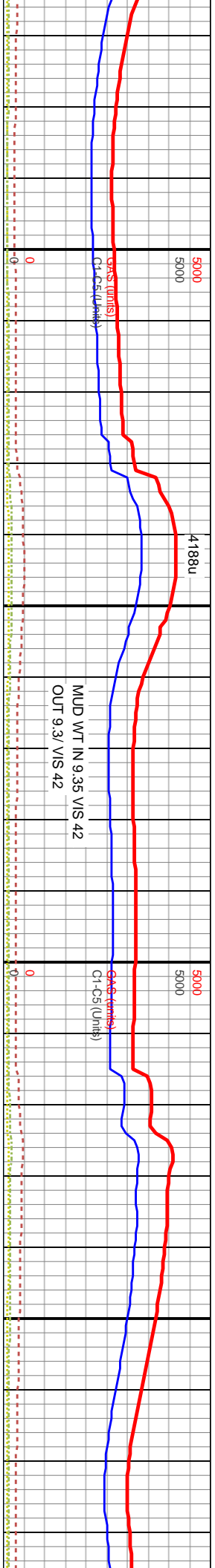
MD: 11,964'
Inclination: 90°
Azimuth: 355°
TVD: 6,339'
VS: 5.479'

[illegible]

MD: 12,057'
Inclination: 90°
Azimuth: 356°
TVD: 6,339'
VS: 5,572'

MD: 12,150'
Inclination: 90°
Azimuth: 357°
TVD: 6,338'
VS: 5,665'

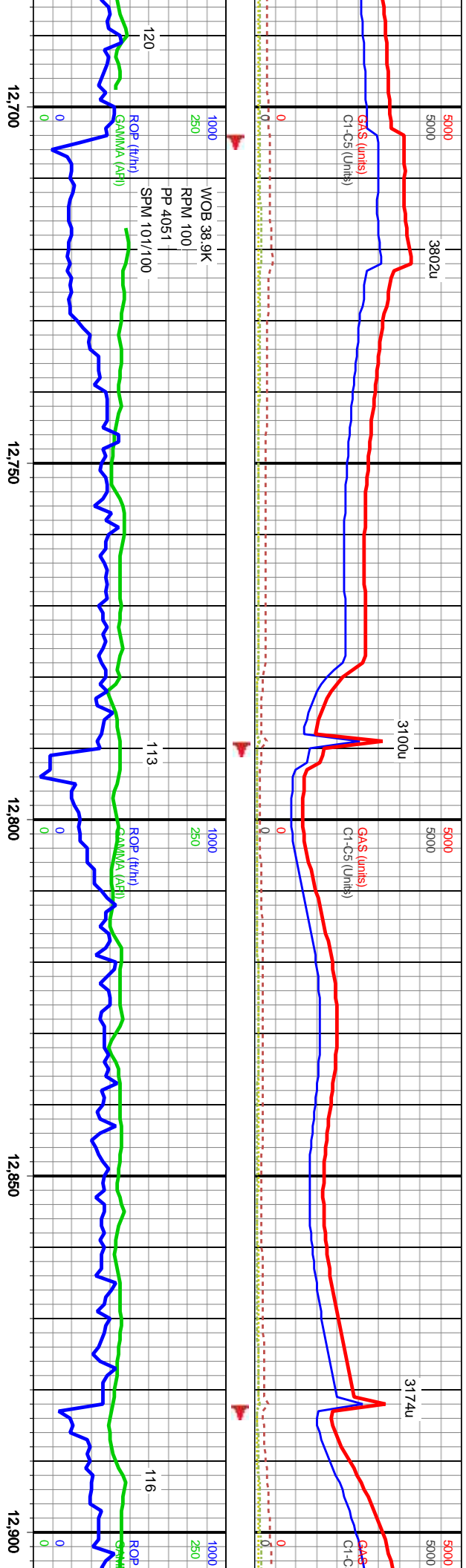
MD: 12,239'
Inclination: 90
Azimuth: 358
TVD: 6,339'
VS: 5,754'

[illegible]

MD: 12,504'
Inclination: 90°
Azimuth: 358°
TVD: 6,338'
VS: 6,018'

MD: 12,593'
Inclination: 90°
Azimuth: 356°
TVD: 6,338'
VS: 6,107'

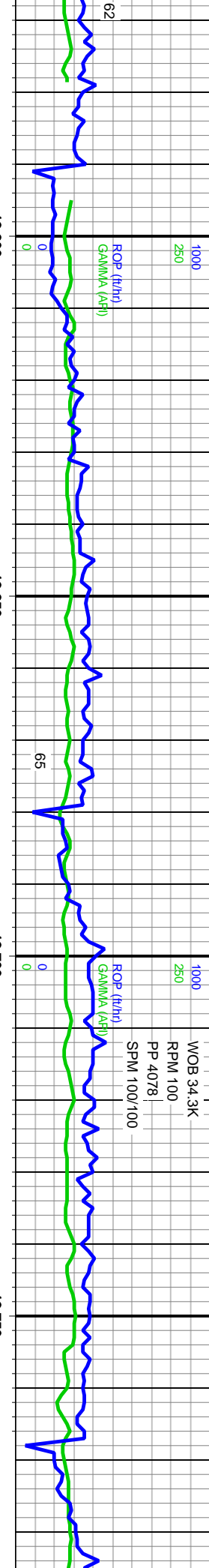
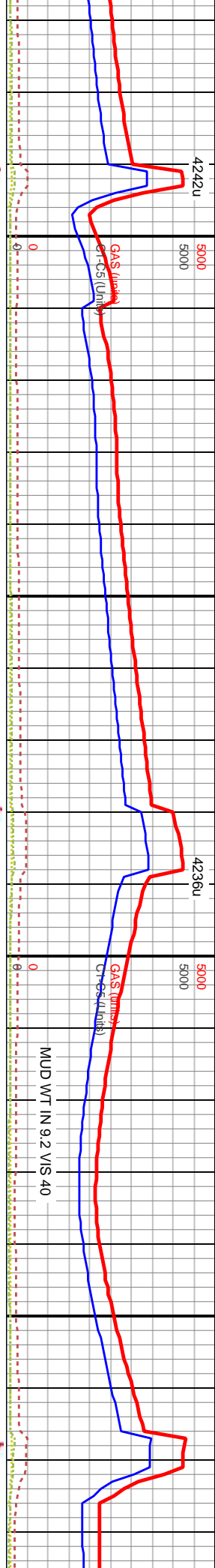
MD: 12,68
Inclination
Azimuth: 3
TVD: 6,33
VS: 6,196"



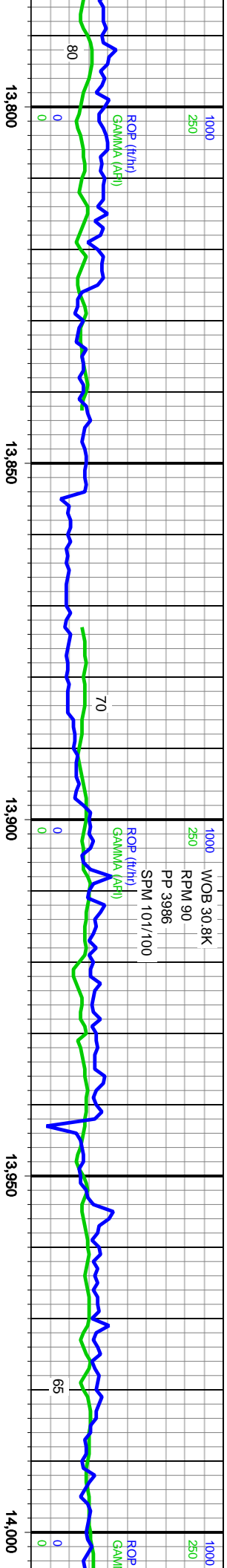
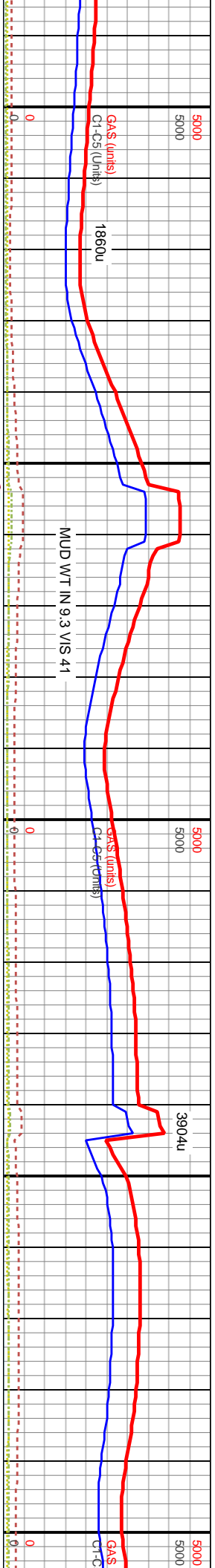
6000	6000	6000	6000
7000	7000	7000	7000
chiky txt, dull	CHLK: (60%) mtlid med gry, lt brwn gry ip, chiky txt, dull	ARG CARB CHLK: (60%) mtlid med gry, lt brwn gry ip, chiky txt, dull rthy	TVD
30-40% cly	rthy lstr, blkly-sbchiky, mod hrd-fm, arg w ~30-40% cly	lstr, blkly-sbchiky, mod hrd-fm, arg w ~30% cly mtrx, infr chlk por, mry, blk	TVD
ARL: (40%)	mtrx, infr chlk por, mry, blk carb mat to, MARL: (40%)	carb mat ip, MARL: (30%) med brwn-drk brwn, mod frm-fm, sbblky, rthy	TVD
chky spking	med brwn-drk brwn, mod frm-fm, sbblky, rthy spking	spking ip, occ calc incls, intrbd w med gry-blk carb mat (SH), abn alt	TVD
lt (SH), tr alt	ip, calc incls, intrbd w med gry-blk carb mat (SH), tr alt	BENT w pyr nuds, ARAG, fossiliferous, CHLK: (10%)	TVD
BENT w pyr nuds, ARAG, fossiliferous			TVD

MD: 12,771'
Inclination: 90°
Azimuth: 359°
TVD: 6,339'
VS: 6,285'

MD: 12,859'
Inclination: 90°
Azimuth: 357°
TVD: 6,339'
VS: 6,373'



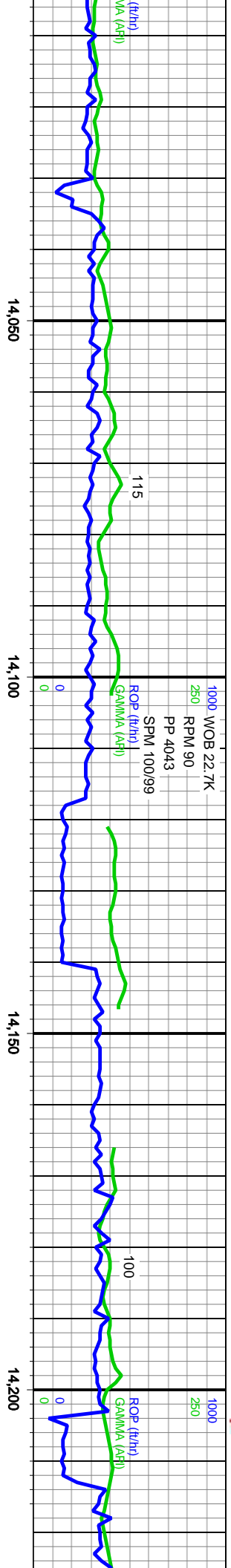
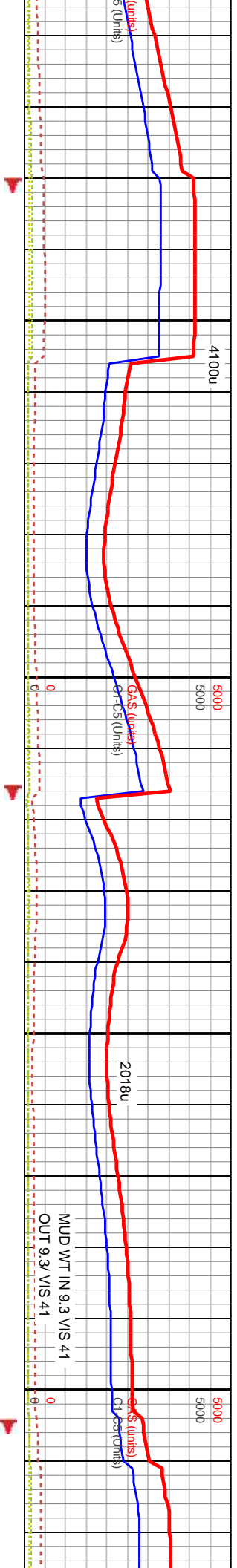
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[illegible]

MD: 13,830'
Inclination: 90°
Azimuth: 358°
TVD: 6,342'
VS: 7,343'

MD: 13,919'
Inclination: 90°
Azimuth: 356°
TVD: 6,342'
VS: 7,432'

MD: 1
Inclina:
Azimu:
TVD:
VS: 7

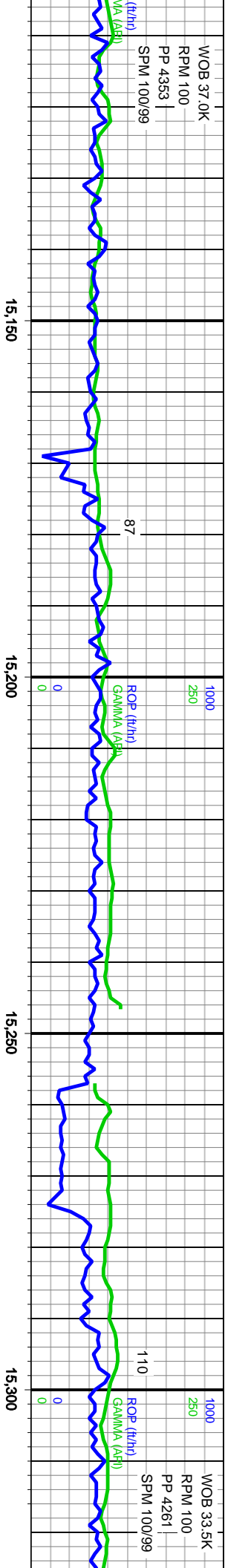
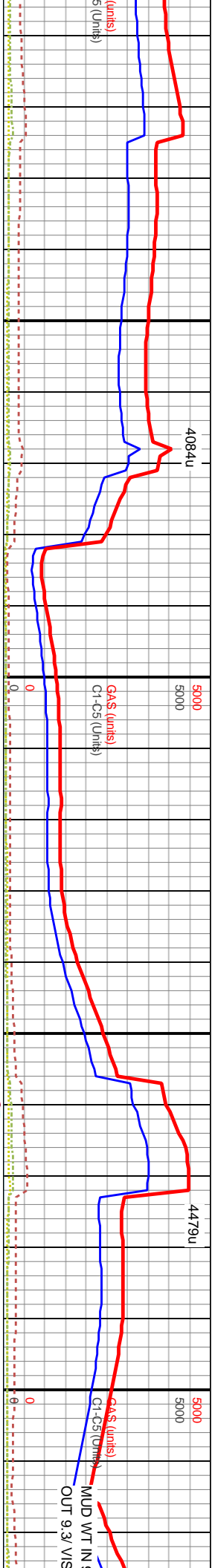


obrra B Chalk		6000	6000	6000
obrra B Marl		6000	6000	6000
CHK:(90%) lt- med gy, sb		TVD (ft)	TVD (ft)	TVD (ft)
blkly, wxy-rthy tex, sl sft, occ				
mod frm, v calc, tr cal incl				
MRLST:(10%) med- dk gy,				
mot-spec, slt gr, sl frm, sb				
pily- pily, gt tex, calc, fos				
frags, tr bent				

4,007'
ation: 90°
rth: 352°
6.342
520'

MD: 14,093'
Inclination: 89°
Azimuth: 352°
TVD: 6,343
VS: 7,606'

MD: 14,182'
Inclination: 90°
Azimuth: 356°
TVD: 6,343
VS: 7,695'

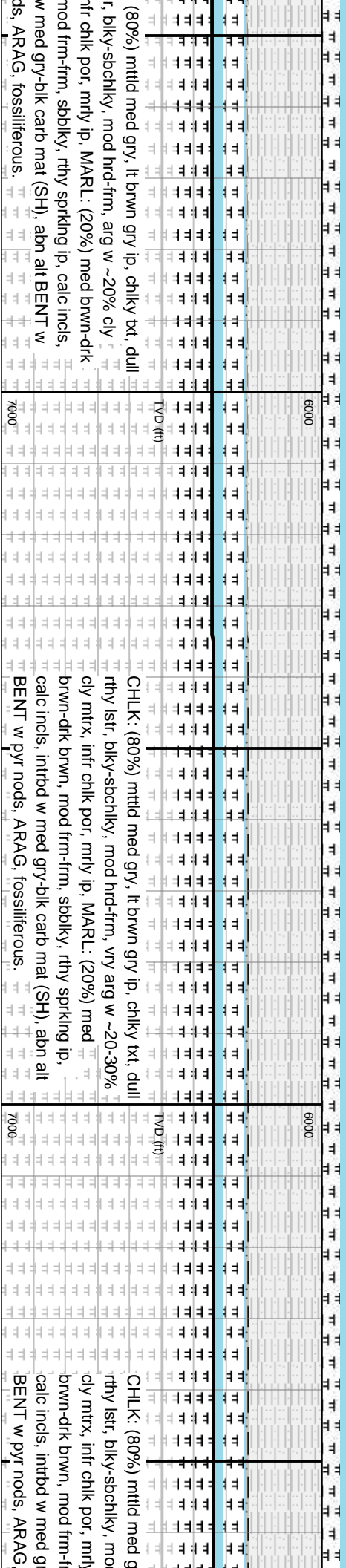
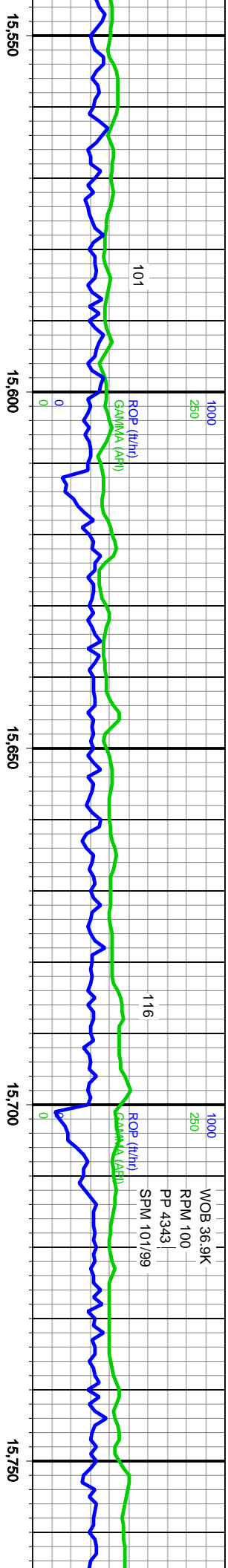
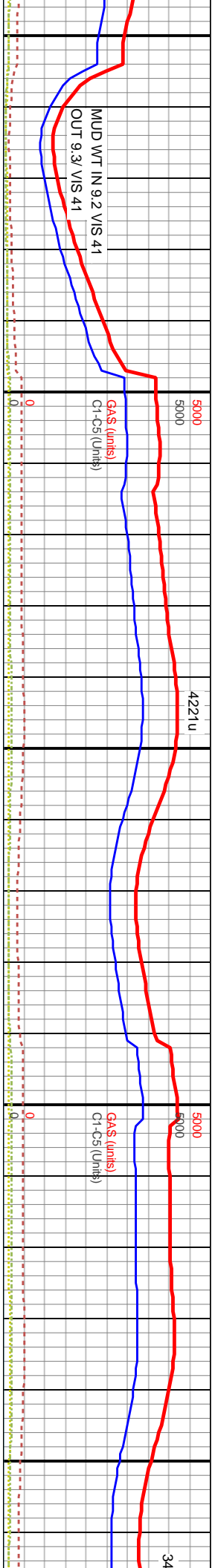


6000										6000									
CHLK: (90%) mtltd med gry, lt brwn gry ip, chlky txt, dull										CHLK: (90%) mtltd med gry, lt brwn gry ip, chlky txt, dull									
rthy lst, bky-sbchky, mod hrd-fm, arg w ~20% cly										rthy lst, bky-sbchky, mod hrd-fm, arg w ~20% cly									
mtx, inftr chl por, mrlly ip, MARL: (10%) med brwn-drk										mtx, inftr chl por, mrlly ip, MARL: (10%) med brwn-drk									
brwn, mod frm-fm, sbblky, rthy sprkng ip, calc incs,										brwn, mod frm-fm, sbblky, rthy sprkng ip, calc incs,									
intbtd w med gry-blk carb mat (SH), abn alt BENT w										intbtd w med gry-blk carb mat (SH), abn alt BENT w									
pyr nodes, ARAG, fossiliferous.										pyr nodes, ARAG, fossiliferous.									
zmn										zmn									

MD: 15,147'
Inclination: 90°
Azimuth: 353°
TVD: 6,342'
VS: 8,659'

MD: 15,234'
Inclination: 90°
Azimuth: 354°
TVD: 6,342'
VS: 8,746'

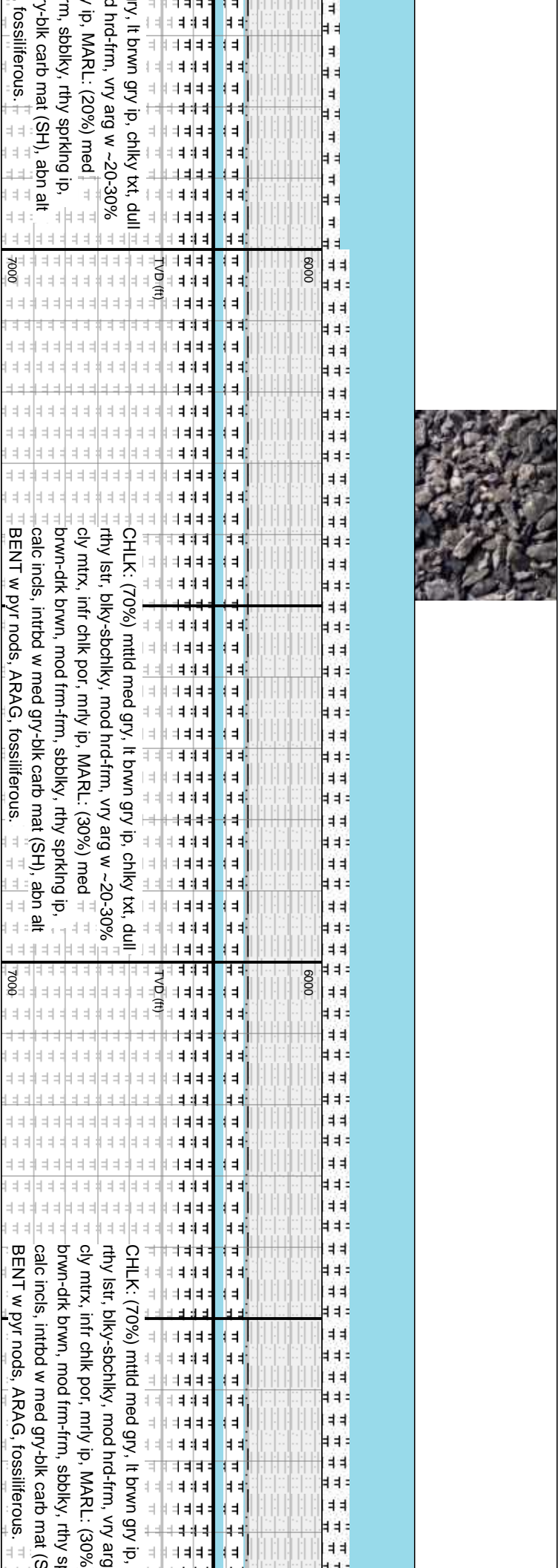
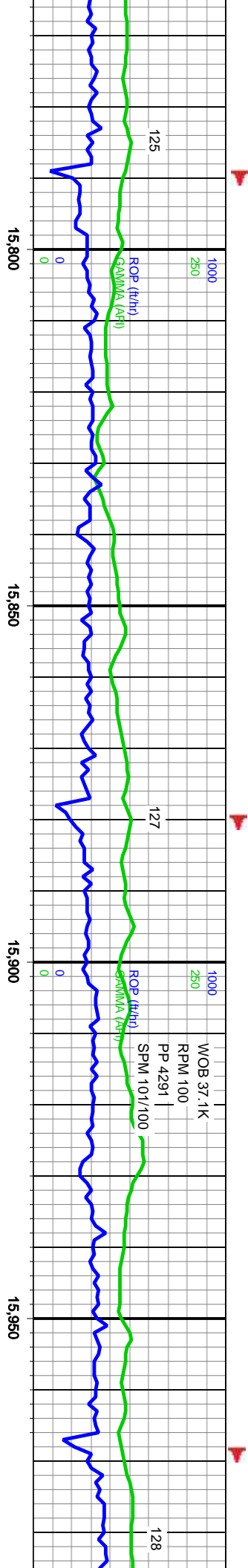
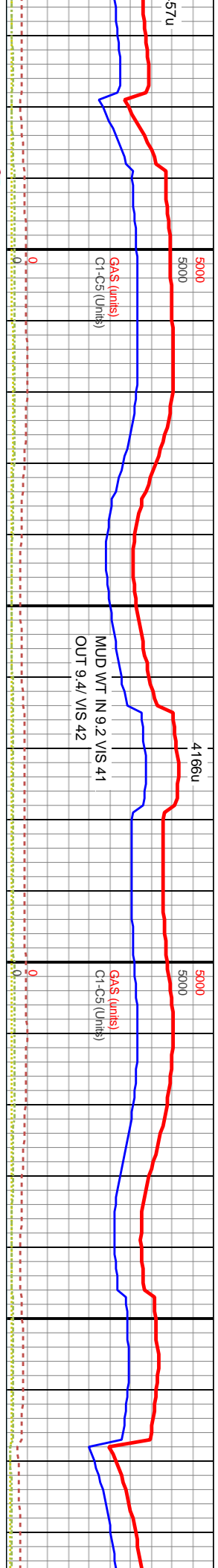
MD: 15,32
Inclination
Azimuth: 3
TVD: 6,34
VS: 8,834"



MD: 15,589'
Inclination: 90°
Azimuth: 360°
TVD: 6,340'
VS: 9,100'

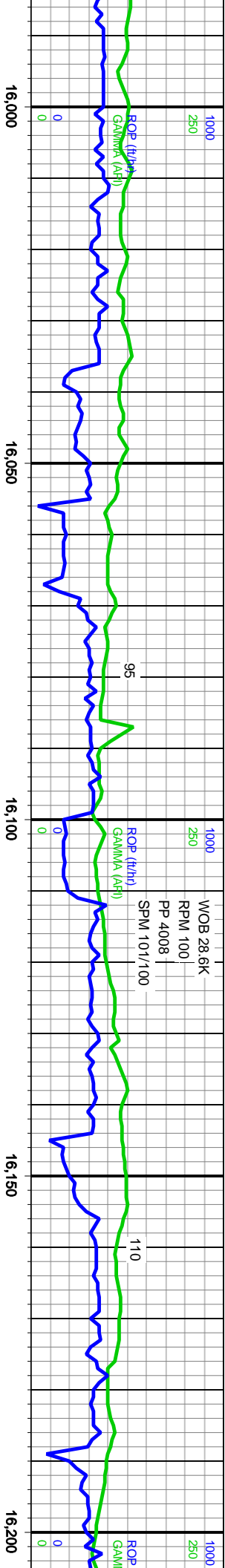
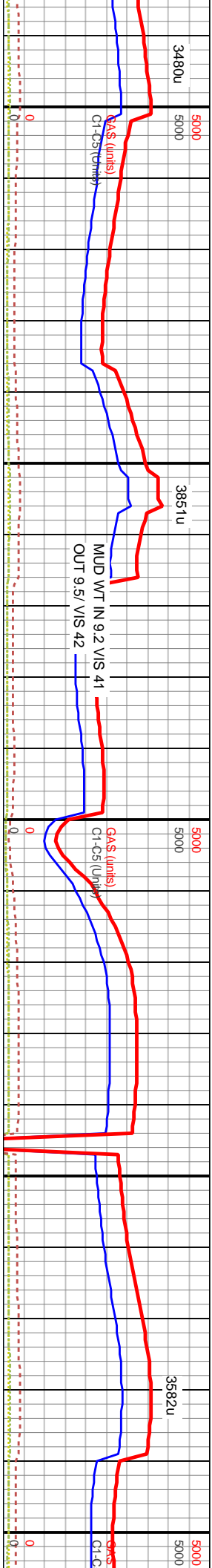
MD: 15,678'
Inclination: 90°
Azimuth: 0°
TVD: 6,340'
VS: 9,189'

MD: 15
Inclina
Azimut
TVD: 6
VS: 9,2



MD: 15,855'
Inclination: 90°
Azimuth: 358°
TVD: 6,339'
VS: 9,366'

MD: 15,944'
Inclination: 90°
Azimuth: 356°
TVD: 6,340'
VS: 9,455'



Niobrara B Chalk		6000	6000	6000	6000
Niobrara B Marl		7000	7000	7000	7000
chiky txt, dull	CHLK: (70%) mtltd med gry, lt brwn gry ip, chiky txt, dull	chiky txt, dull	CHLK: (70%) mtltd med gry, lt brwn gry ip, chiky txt, dull	chiky txt, dull	CHLK: (70%) mtltd med gry, lt brwn gry ip, chiky txt, dull
w ~20-30%	rthy lstr, blkly-sbchiky, mod hrd frm, vry arg w ~20-30%	w ~20-30%	rthy lstr, blkly-sbchiky, mod hrd frm, vry arg w ~20-30%	w ~20-30%	rthy lstr, blkly-sbchiky, mod hrd frm, vry arg w ~20-30%
) med	clly mtrx, infr chlk por, mrlly ip, MARL: (30%) med) med	clly mtrx, infr chlk por, mrlly ip, MARL: (30%) med) med	clly mtrx, infr chlk por, mrlly ip, MARL: (30%) med
cking ip,	brwn-drk brwn, mod frm frm, sbbiky, rthy sprkling ip,	cking ip,	brwn-drk brwn, mod frm frm, sbbiky, rthy sprkling ip,	cking ip,	brwn-drk brwn, mod frm frm, sbbiky, rthy sprkling ip,
(H), abn alt	calc incls, intrbd w med gry-blk carb mat (SH), abn alt	(H), abn alt	calc incls, intrbd w med gry-blk carb mat (SH), abn alt	(H), abn alt	calc incls, intrbd w med gry-blk carb mat (SH), abn alt
	BENT w pyr nods, ARAG, fossiliferous.		BENT w pyr nods, ARAG, fossiliferous.		BENT w pyr nods, ARAG, fossiliferous.

MD: 16,034'
Inclination: 90°
Azimuth: 355°
TVD: 6,340'
VS: 9,545'

MD: 16,121'
Inclination: 89°
Azimuth: 354°
TVD: 6,340'
VS: 9,632'

MD:
Incl:
Azir:
TVD:
VS:

