



KANSAS CORPORATION COMMISSION 1077125
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1077125

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

| | |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|---|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| _____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone | | | | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

| | | |
|---|---|--|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|---|---|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | New Gulf Operating LLC |
| Well Name | Grasslands 1 |
| Doc ID | 1077125 |

Tops

| Name | Top | Datum |
|-----------------------|------|-------|
| Heebner | 3026 | -1336 |
| Stark | 3501 | -1811 |
| Swope Poro | 3510 | -1820 |
| Hushpuckney | 3543 | -1853 |
| Lower Hertha Porosity | 3581 | -1891 |
| BKC | 3604 | -1914 |
| Marmaton | 3612 | -1922 |
| Cherokee | 3688 | -1998 |
| Conglomerate | 3723 | -2026 |
| Miss Chert | 3706 | -2016 |
| Kinderhook | 3790 | -2100 |
| Viola | 4026 | -2336 |
| Simpson SH | 4034 | -2344 |
| Simpson Sand | 4053 | -2363 |
| Arbuckle | 4120 | -2430 |

Covey

The Well Watchers

Scale 1:240 (5"=100') Imperial

Well Name: GRASSLANDS #1
Location: Section 8 - Township 12 South - Range 32 West
Licence Number: 15-109-21,031. 0000 Region: Logan County, KS.
Spud Date: 7 Sept 2011 Drilling Completed:
Surface Coordinates: 1,860' FNL & 1,220' FEL , NE/4
(Approximately SW NW SE NE)
Bottom Hole
Coordinates:
Ground Elevation (ft): 3,009 K.B. Elevation (ft): 3,019'
Logged Interval (ft): 3,600' To: Total Depth (ft):
Formation: Topeka -----> Miss (St. Louis)
Type of Drilling Fluid: Chemical; Low Solids (non-dispersed)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: NEW GULF OPERATING, LLC.
Address: 6310 East 102nd Street
Tulsa, Oklahoma 74137
(918) 728-3020
POC Geologist:
Joe Baker

GEOLOGIST

Name: Curtis Covey
Company: COVEY - The Well Watchers
Address: 6548 Bedford Circle
Derby, Kansas 67037
Office: (316) 776 - 0367 Cell: (316) 258-9976

KB: 3,019'

FORMATION TOPS

GL: 3,009'

| Formation | Rotary Sample Depth (Datum) | E-log Depth (Datum) |
|------------------------|-----------------------------|---------------------|
| Anhydrite | 2,541' (+478') | |
| B / Anhydrite | 2,564' (+455') | |
| Stotler | 3,622' (-603') | |
| Topeka | 3,752' (-733') | |
| Heebner Shale | 3,976' (-957') | |
| Lansing | 4,027' (-1,008') | |
| Muncie Creek SH | | |
| Stark SH | | |
| B / KC | | |
| Pawnee LS | | |
| Ft. Scott | | |
| Cherokee Sh | | |
| 'Johnson' Zone | | |
| Morrow Sandstone | | |
| Miss (Erosional) | | |

Loggers:

RTD: LTD: ATD: E-log is to rotary sample depth, uphole.
E-log is to rotary sample depth, mid- & down hole sample logged interval.

12-1/4" Hole

7-7/8" Hole

7-7/8" Hole

7 Sept --- Spud @ 6pm.
 Drill to 268'.
 Run 8-5/8" casing (23#)
 Set casing @ 267'.
 8 --- Cemented w/ 200 sx Class A
 (2% Gel + 3% CC).
 [Allied]
 Cement did circulate.
 Plug down @ 1:45am.
 WOC.

9 Sept --- WOC.
 6:30am @ 268'.
 Under surface casing @ 4:15pm.
 10 --- 6:30am @ 1,415'.
 11 --- 6:30am @ 2,420'.
 12 --- 6:30am @ 3,080'.
 Displace Mud @ 3,402'.
 13 --- 6:30am @ 3,545'.
 14 --- 6:30am @ 4,040'.
 Start and
 15 --- Finish DST #1: Lansing
 (4,084'-4,122').
 6:30am @

HOLE DEVIATION 268' - '

| DEPTH / TVD | INCLINATION | AZIMUTH | NORTH | SOUTH | EAST | WEST | DOGLEG deg/100' |
|-------------|--------------------|---------|-------|-------|------|------|-----------------|
| 268' / | --- 0.50 (Surface) | | | | | | |
| 1,197' / | --- 0.75 | | | | | | |
| 2,191' / | --- 1.25 | | | | | | |
| 3,191' / | --- 1.00 | | | | | | |
| 4,122' / | --- (DST #1) | | | | | | |

STRAP @
Board:
Strap:
Diff:

CONTRACTOR

VAL Energy --- Rig #4

10,500 E. Berkeley Square Parkway, Suite 1000
 Wichita, Kansas 67230
 Office: (316) 636-2090

Rig #4 - (620) 617-2793

Larry Hinderliter - (620) 804-0097

Pump: National K-500A
 6" x 15" @ 58 SPM.
 1,000 PSI @ Standpipe.

Uphole Hole:
 WOB 35M @ 80 RPM.

After Mudup / Main Hole:
 WOB 38M @ 75 RPM.

Drill Collars: 6-1/8" x 2.50" --- 524'. (83.5#/ft)
 Dry Collar Weight: 45,754#
 (@ 8.8 ppg / Buoyancy Factor 0.866)
 Bouyancy Collar Weight: 37,891#
 Design Factor: 15%, therefore:
 available WOB is 32,207#
 Drill Pipe: 4-1/2"XH. (16#/ft - used)

BIT RECORD

| DATE | SIZE | TYPE | JET SIZE | DEPTH IN / OUT | CUM. FT. | HOURS | ROP |
|-------------|---------|-----------|--------------|----------------|----------|-------|-------|
| 7 Sept 2011 | 12-1/4" | REED RR | 3 / 15's | 0' / 268' | 268' | 1.75 | 153.1 |
| 8 Sept 2011 | 7-7/8" | JZ QX-21S | 13 - 14 - 13 | 268' / ' | | | |

ROCK TYPES

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Granite wash
- Congl
- Dol lmst
- Silty dol

- Calc dol
- Dol 2
- Dol
- Gyp
- Igne
- Lmst 2
- Lmst
- Meta
- Mrlst
- Salt
- Shale 3
- Shale 3
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Ss 2

MINERAL

- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

- Mica
- Anhy
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- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

STRINGER

- Calc dol
- Silty dol
- Anhy

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Ooliticastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks

- Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst
 - Calc dol
 - Sltstrg
 - Ssstrg
 - Chalk
 - New symbol
- SHOW**
- Oil
 - Spotted
 - Ques
 - Dead
 - Gas
 - Oil/gas
 - Bed contact

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Spore
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro

- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg

- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos

- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Ooliticastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks

STRINGER

- Calc dol

- Silty dol
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol

OTHER SYMBOLS

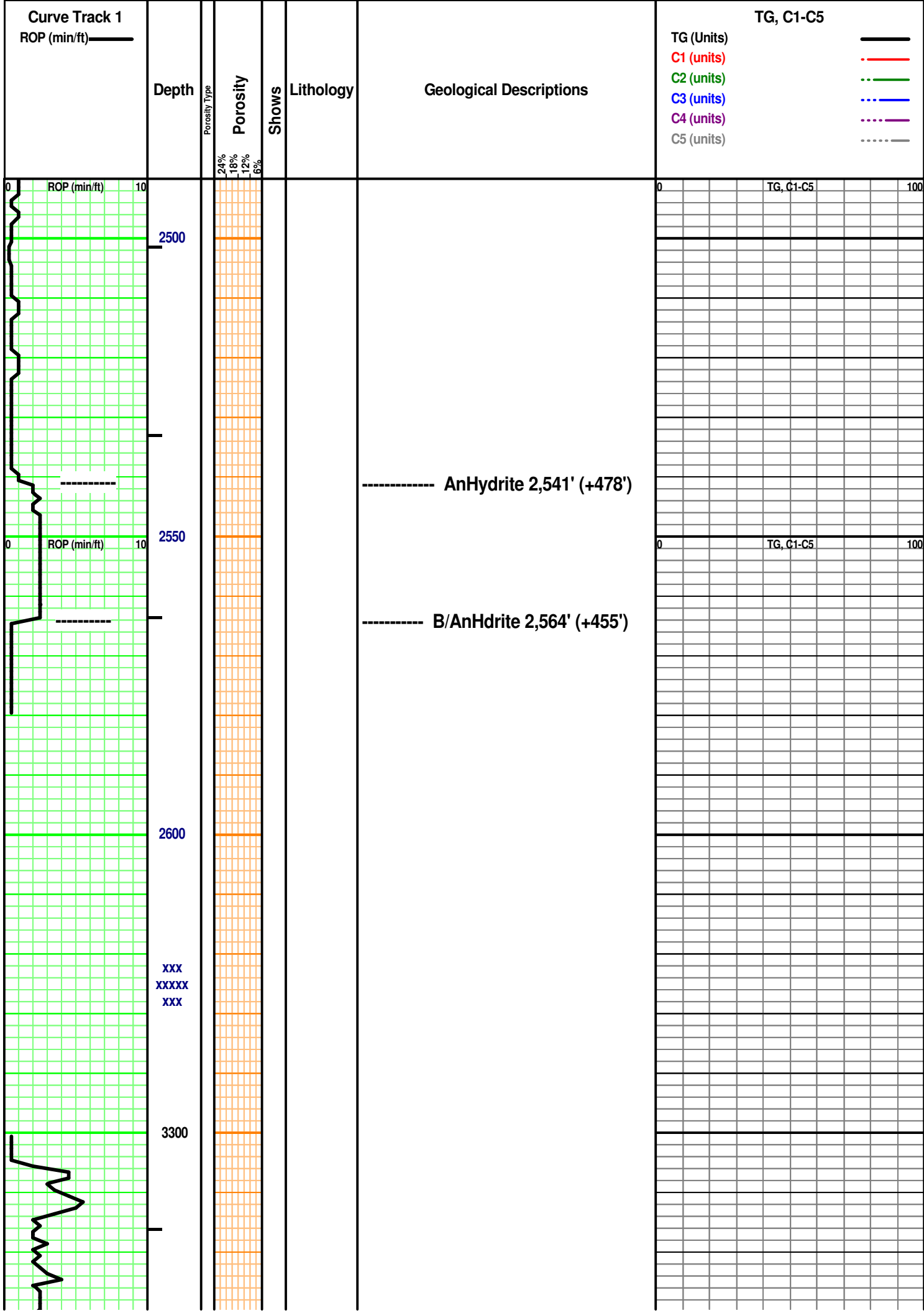
ACTIVITY

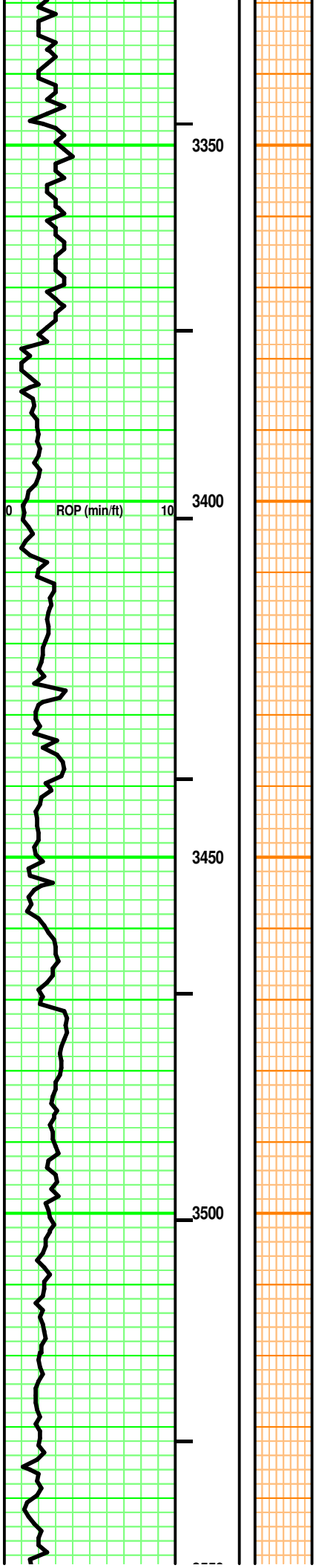
- Lost circluation
- Circulate for same

- Circulate for same
- Rtd
- Trip

- Connection
- Rft

- Sidewall





Dry Wt of Collars: 43,754#
 [524' x 83.5#/ft = 43,754#]
 Drill Collars: 6-1/8" x 2.5"
 Buoyancy Wt of Collars: 37,891#
 [43,754# x .866 (8.8ppg) = 37,891#]
 Available WOB: 32,207#
 [37,891# x .85 = 32,207#]

100 units = 1% Gas

TG, C1-C5

DISPLACE MUD @ 3,402'

Weight Indicator Check @ 3,627'

Dry Wt of:
 DC - (See Above) = 45,341#
 DP - 3,061' x 16#/ft = 48,976#
 Total Dry Wt = 92,730#

Buoyancy Wt = 80,304#
 [92,730# x .866 (8.8ppg)
 = 80,304#]

Buoyancy Wt + Surface
 Equipment = String Weight
 [80,304# + 20,000# = 100,304#]
 String Weight = 100,304#

Weight Indicator
 shows 100M;
 therefore,
 weight indicator
 is okay.

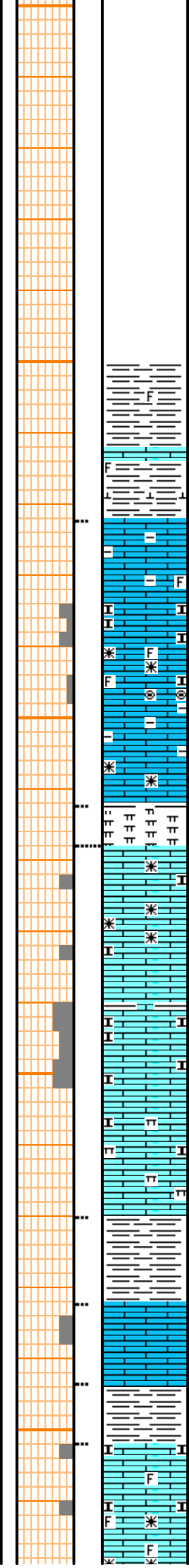
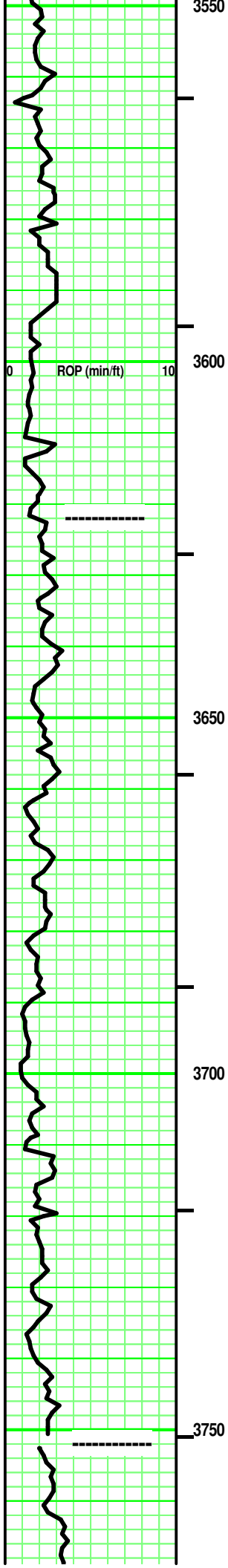
Vis: 56
 Wt: 8.6
 LCM: 1#

Contractor reports running
 38M# on bit by WI and has
 actually 38M# WOB.

-vs-
 Calculated available
 WOB of 32,207#.

Vis: 51
 Wt: 8.8
 LCM: 2#

How Wire Calibration Check



Interbedded SH & LS

SH - Lt & Med Gray. tr Tannish Gray to rare Brownish Gray. tr limy streaks. some calc in part. rare fossil frag. soft.

LS - Tan/ tr Pale Gray, some Lt Gray. Sing. XF-/ Micro-xln. xln por. tr subchalky in part. tr argil in part. misc fossil frags & micro-Oolites. partly Firm. No/ tr vis por.

MARL - Grays. Hi argil/shaly at top. soft.

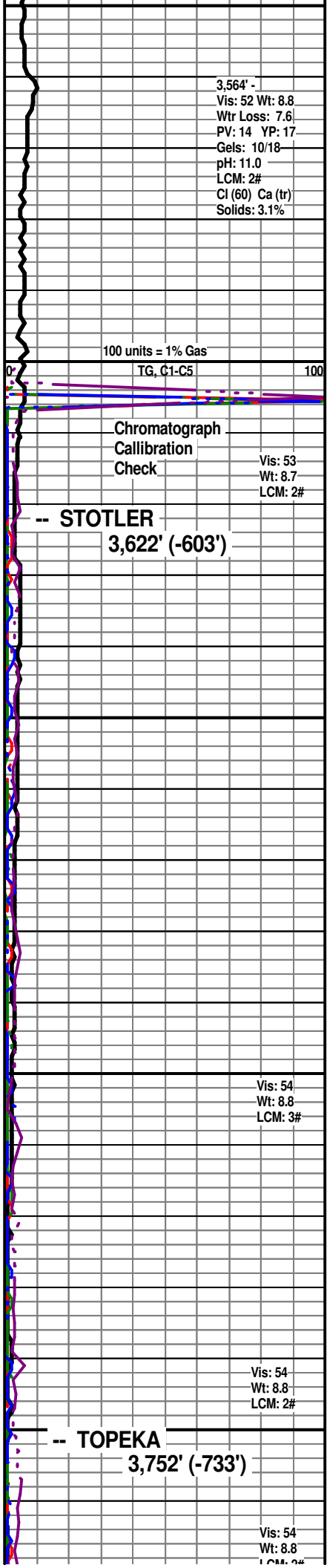
Interbedded SH & LS

SH - Lt & Med Gray. tr/ some Tannish Gray. tr/ some limy streaks. some calc in part. soft.

LS - Tans / tr Pale to Lt Grays. Sing. XF-/ some Micro-xln. xln por. rare Re-xln. tr argil in part. subchalky & marly in part and intermixed. No/ tr vis por.

SH - Lt/ Med Gray. Sing. highly limy (Tannish & Pale Gray) to LS stringers (Tan, Micro-xln).

LS - Grays/ Tans. Sing/ some to mostly Mot. XF-/ mostly Micro-xln. xln por. some to lots of subchalky/ chalky. tr/ fair fossil frags in part. some intermixed/ interbedded argil or shale (Med/Dark Gray). Firm. No/ tr vis por.



3,564' -
Vis: 52 Wt: 8.8
Wtr Loss: 7.6
PV: 14 YP: 17
Gels: 10/18
pH: 11.0
LCM: 2#
Cl (60) Ca (tr)
Solids: 3.1%

100 units = 1% Gas
TG, C1-C5

Chromatograph
Calibration
Check
Vis: 53
Wt: 8.7
LCM: 2#

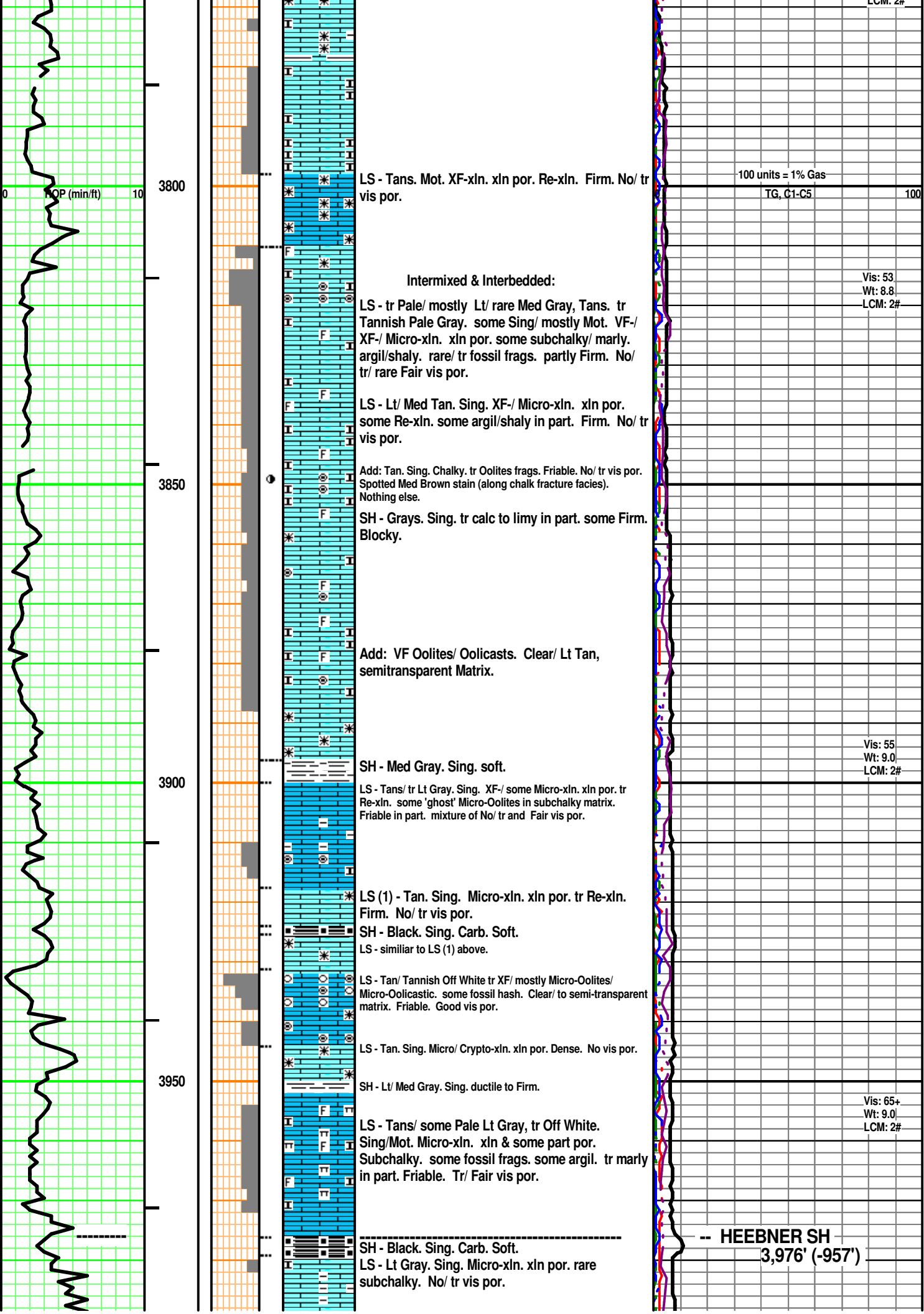
-- STOTLER
3,622' (-603')

Vis: 54
Wt: 8.8
LCM: 3#

-- TOPEKA
3,752' (-733')

Vis: 54
Wt: 8.8
LCM: 2#

Vis: 54
Wt: 8.8
LCM: 2#



LCM: 2#

100 units = 1% Gas
TG, C1-C5

100

Intermixed & Interbedded:

LS - tr Pale/ mostly Lt/ rare Med Gray, Tans. tr Tannish Pale Gray. some Sing/ mostly Mot. VF-/ XF-/ Micro-xln. xln por. some subchalky/ marly. argil/shaly. rare/ tr fossil frags. partly Firm. No/ tr/ rare Fair vis por.

Vis: 53
Wt: 8.8
LCM: 2#

LS - Lt/ Med Tan. Sing. XF-/ Micro-xln. xln por. some Re-xln. some argil/shaly in part. Firm. No/ tr vis por.

Add: Tan. Sing. Chalky. tr Oolites frags. Friable. No/ tr vis por. Spotted Med Brown stain (along chalk fracture facies). Nothing else.

SH - Grays. Sing. tr calc to limy in part. some Firm. Blocky.

Add: VF Oolites/ Oolcasts. Clear/ Lt Tan, semitransparent Matrix.

Vis: 55
Wt: 9.0
LCM: 2#

SH - Med Gray. Sing. soft.

LS - Tans/ tr Lt Gray. Sing. XF-/ some Micro-xln. xln por. tr Re-xln. some 'ghost' Micro-Oolites in subchalky matrix. Friable in part. mixture of No/ tr and Fair vis por.

LS (1) - Tan. Sing. Micro-xln. xln por. tr Re-xln. Firm. No/ tr vis por.

SH - Black. Sing. Carb. Soft.

LS - similar to LS (1) above.

LS - Tan/ Tannish Off White tr XF/ mostly Micro-Oolites/ Micro-Oolastic. some fossil hash. Clear/ to semi-transparent matrix. Friable. Good vis por.

LS - Tan. Sing. Micro/ Crypto-xln. xln por. Dense. No vis por.

SH - Lt/ Med Gray. Sing. ductile to Firm.

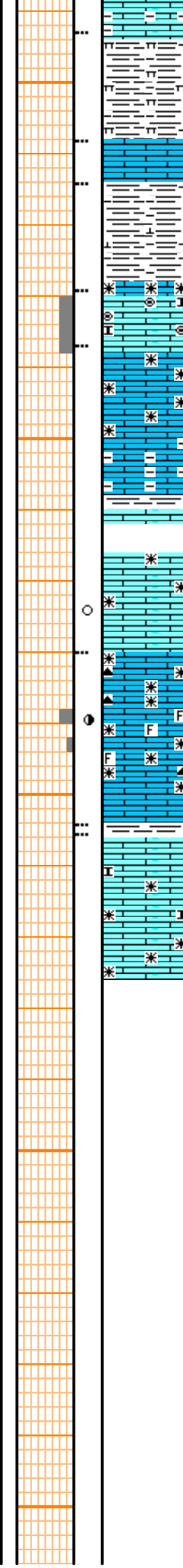
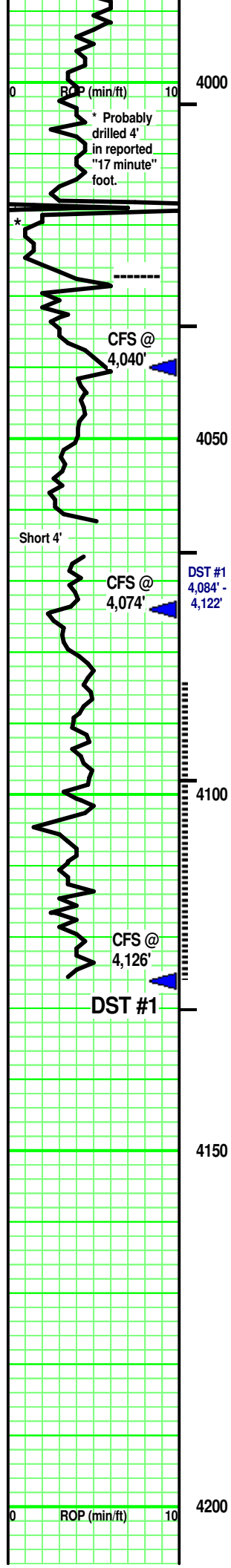
Vis: 65+
Wt: 9.0
LCM: 2#

LS - Tans/ some Pale Lt Gray, tr Off White. Sing/Mot. Micro-xln. xln & some part por. Subchalky. some fossil frags. some argil. tr marly in part. Friable. Tr/ Fair vis por.

SH - Black. Sing. Carb. Soft.

LS - Lt Gray. Sing. Micro-xln. xln por. rare subchalky. No/ tr vis por.

-- HEEBNER SH
3,976' (-957')



SH - Med Gray. Sing. Hi marly. Firm. Massive.

LS - Off White/ Tan. Sing/ tr Mot. Micro-xln. xln por. mostly Firm. No/ tr vis por

SH - Lt Gray. Sing. tr calc.

LS - Off White/ Tan. Sing/ tr Mot. Micro-xln. xln & tr Vuggy por. [some VF Oolites in part, Off White. Clear/ Pale Tan, semitransparent Matrix. Friable. Tr vis por.] some Re-xln. rare subchalky in part. mostly Firm. No/ tr vis por.

LS - Tans/ tr Lt Gray with depth. Sing/ tr Mot. XF-/ some Micro-xln. xln por. tr Re-xln. Firm at top. No/ tr vis por.

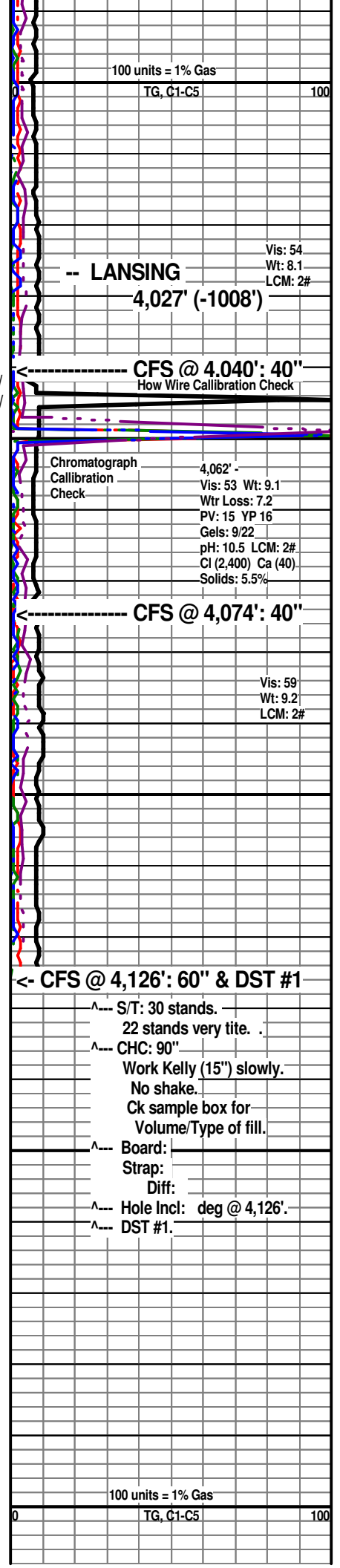
SH - Med Gray. Sing. tr calc.

3 pcs: LS - Tan. Sing. Micro-xln. xln & rare vuggy calc filled por. tr Re-xln. Firm. No/ tr vis por. tr/ some spotted Lt/Med Brown stain rimming vuggy por. Northing else.

LS - Tan. Sing. XF-xln. xln and some XF vuggy por. some minute Re-xln. [tr/ some CHERT - Gray/ Dark Tan. Sing. Opaque. tr misc inclusions. No tripolitic.] some fossil frags. mostly Firm. tr/ fair vuggy por in part. Faint odor. rare/ Spotted yellow fluorescence. A/C, rare minute Dark Brown free oil spheres floating on wash water. rare gas bubble cling to rx chip. Spotted Med Brown stain. Pos cut/ residual. Pos acid/ residual. rare/ tr Black tarry oil on chert frac face.

SH - Med/ Dark Gray. Sing. Massive. soft.

LS - Lt & Med Tan. Sing/ Mot. XF-/ Micro-xln. xln & particle por. tr Re-xln. rare subchalky in part. Firm. No/ tr vis por. No odo



100 units = 1% Gas
TG, C1-C5 100

Vis: 54
Wt: 8.1
LCM: 2#

LANSING
4,027' (-1008')

CFS @ 4,040': 40"
How Wire Calibration Check

Chromatograph
Calibration
Check

4,062' -
Vis: 53 Wt: 9.1
Wtr Loss: 7.2
PV: 15 YP 16
Gels: 9/22
pH: 10.5 LCM: 2#
Cl (2,400) Ca (40)
Solids: 5.5%

CFS @ 4,074': 40"

Vis: 59
Wt: 9.2
LCM: 2#

CFS @ 4,126': 60" & DST #1

^--- S/T: 30 stands.
22 stands very tite.

^--- CHC: 90"
Work Kelly (15") slowly.
No shake.
Ck sample box for
Volume/Type of fill.

^--- Board: _____
Strap: _____
Diff: _____

^--- Hole Incl: deg @ 4,126'.
^--- DST #1.

100 units = 1% Gas
TG, C1-C5 100

Covey

The Well Watchers

Scale 1:240 (5"=100') Imperial

Well Name: GRASSLANDS #1
Location: Section 8 - Township 12 South - Range 32 West
Licence Number: 15-109-21,031. 0000 Region: Logan County, KS.
Spud Date: 7 Sept 2011 Drilling Completed:
Surface Coordinates: 1,860' FNL & 1,220' FEL , NE/4
(Approximately SW NW SE NE)
Bottom Hole
Coordinates:
Ground Elevation (ft): 3,009 K.B. Elevation (ft): 3,019'
Logged Interval (ft): 3,600' To: Total Depth (ft):
Formation: Stotler -----> Miss (St. Louis)
Type of Drilling Fluid: Chemical; Low Solids (non-dispersed)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: NEW GULF OPERATING, LLC.
Address: 6310 East 102nd Street
Tulsa, Oklahoma 74137
(918) 728-3020
POC Geologist:
Joe Baker

GEOLOGIST

Name: Curtis Covey
Company: COVEY - The Well Watchers
Address: 6548 Bedford Circle
Derby, Kansas 67037
Office: (316) 776 - 0367 Cell: (316) 258-9976

KB: 3,019'

FORMATION TOPS

GL: 3,009'

| Formation | Rotary Sample Depth (Datum) | E-log Depth (Datum) |
|------------------------|-----------------------------|---------------------|
| Anhydrite | 2,541' (+478') | |
| B / Anhydrite | 2,564' (+455') | |
| Stotler | 3,622' (-603') | |
| Topeka | 3,752' (-733') | |
| Heebner Shale | 3,976' (-957') | |
| Lansing | 4,027' (-1,008') | |
| Muncie Creek SH | NC | |
| Stark SH | NC | |
| B / KC | 4,330' (-1,311') | |
| Pawnee LS | 4,454' (-1,435') | |
| Cherokee Sh | 4,535' (-1,516') | |
| 'Johnson' Zone | 4,568' (-1,549') | |
| Morrow Sandstone | | |
| Miss (Erosional) | | |

Loggers:

RTD: LTD: ATD: E-log is to rotary sample depth, uphole.
E-log is to rotary sample depth, mid- & down hole sample logged interval.

DST #1 - LANSING

Rotary Depth: 4,070' - 4,126'
Logger's Depth:

Recovery: 690' Muddy Wtr (2%M, 98%W)
Gas bubble in wtr - gone by grind

Total Fluid: 690'

Recovery Water: (59,000 ppm)
System Water: (2,400 ppm)

Recovery Water (Engineer): NA

IFP: 23# - 134# / 30"
ISIP: 1,137# / 45"
FFP: 147# - 327# / 60"
FSIP: 1,137# / 90"
120 deg F
MH: 1,964# - 1,962#

IF: BOB in 11 minutes.
ISI: No Blow back.
FF: BOB in 14.5 minutes.
FSI: No Blow Back.

Reported Rw =
0.18 ohms @ 55 deg F

Diamond Testing ... Hoisington, KS.

2011

DAILY DRILLING STATUS -- SEPTEMBER

2011

12-1/4" Hole

7-7/8" Hole

7-7/8" Hole

7 Sept --- Spud @ 6pm.
Drill to 268'.
Run 8-5/8" casing (23#)
Set casing @ 267'.
8 --- Cemented w/ 200 sx Class A
(2% Gel + 3% CC).
[Allied]
Cement did circulate.
Plug down @ 1:45am.
WOC.

8 Sept --- WOC.
6:30am @ 268'.
Under surface casing @ 4:15pm.
9 --- 6:30am @ 1,415'.
10 --- 6:30am @ 2,420'.
11 --- 6:30am @ 3,080'.
Displace Mud @ 3,402'.
12 --- 6:30am @ 3,545'.
13 --- 6:30am @ 4,040'.
Start and
14 --- Finish DST #1: Lansing
(4,070'-4,126').
6:30am @ 4,126'.
Resumed Drilling @ 8:30am.
Drill to 4,383' ... T/O 4 rows ...
Work on Mud Pump.

15 Sept --- 6:30am @ 4,383'. Work on
Mud Pump.
16 --- Start
6:30am @ 4,600'.
Finish DST #2: Johnson
Zone (4,530'-4,600')

HOLE DEVIATION 268' - ')

| DEPTH / TVD | --- INCLINATION | AZIMUTH | NORTH | SOUTH | EAST | WEST | DOGLEG deg/100' |
|-------------|--------------------|---------|-------|-------|------|------|-----------------|
| 268' / | --- 0.50 (Surface) | | | | | | |
| 1,197' / | --- 0.75 | | | | | | |
| 2,191' / | --- 1.25 | | | | | | |
| 3,191' / | --- 1.00 | | | | | | |
| 4,122' / | --- 1.00 (DST #1) | | | | | | |

STRAP @ DST #1

Board: 4,130.01'
Strap: 4,137.37'
Diff: 7.36'

CONTRACTOR

VAL Energy --- Rig #4

10,500 E. Berkeley Square Parkway, Suite 1000
Wichita, Kansas 67230
Office: (316) 636-2090

Rig #4 - (620) 617-2793

Larry Hinderliter - (620) 804-0097

Pump: National K-500A
6" x 15" @ 58 SPM.
800 PSI @ Standpipe.

Uphole Hole:
WOB 35M @ 80 RPM.

After Mudup / Main Hole:
WOB 38M @ 75 RPM.

Drill Collars: 6-1/8" x 2.50" --- 524'. (83.5#/ft)
Dry Collar Weight: 45,754#
(@ 8.8 ppg / Buoyancy Factor 0.866)
Bouyancy Collar Weight: 37,891#
Design Factor: 15%, therefore:
available WOB is 32,207#
Drill Pipe: 4-1/2"XH. (16#/ft - used)

BIT RECORD

| DATE | SIZE | TYPE | JET SIZE | DEPTH IN / OUT | CUM. FT. | HOURS | ROP |
|-------------|---------|-----------|--------------|----------------|----------|-------|-------|
| 7 Sept 2011 | 12-1/4" | REED RR | 3 / 15's | 0' / 268' | 268' | 1.75 | 153.1 |
| 8 Sept 2011 | 7-7/8" | JZ QX-21S | 13 - 14 - 13 | 268' / ' | | | |

ROCK TYPES

POROSITY

| | |
|--|----------|
| | Earthy |
| | Fenest |
| | Fracture |
| | Inter |
| | Moldic |
| | Organic |
| | Pinpoint |
| | Vuggy |

LITHOLOGY

| | |
|--|--------------|
| | Anhy |
| | Bent |
| | Brec |
| | Cht |
| | Clyst |
| | Coal |
| | Granite wash |
| | Congl |
| | Dol lmst |
| | Silty dol |

| | |
|--|----------|
| | Calc dol |
| | Dol 2 |
| | Dol |
| | Gyp |
| | Igne |
| | Lmst 2 |
| | Lmst |
| | Meta |
| | Mrst |
| | Salt |
| | Shale 3 |
| | Shale |
| | Shcol |
| | Shgy |
| | Sltst |
| | Ss |
| | Till |
| | Ss 2 |

MINERAL

| | |
|--|----------|
| | Mica |
| | Anhy |
| | Arggrn |
| | Arg |
| | Bent |
| | Bit |
| | Brecfrag |
| | Calc |
| | Carb |
| | Chtdk |
| | Chtlt |
| | Dol |
| | Feldspar |
| | Ferrpel |
| | Ferr |
| | Glau |
| | Gyp |
| | Hvymin |
| | Kaol |
| | Marl |

STRINGER

| | |
|--|--------------|
| | Minxl |
| | Nodule |
| | Phos |
| | Pyr |
| | Salt |
| | Sandy |
| | Silt |
| | Sil |
| | Sulphur |
| | Tuff |
| | Copper |
| | Ooliticastic |
| | Ooloid |
| | Oolite |
| | Sucrosic |
| | Dark specks |

STRINGER

| | |
|--|-----------|
| | Calc dol |
| | Silty dol |
| | Anhy |

| | |
|--|------------|
| | Arg |
| | Bent |
| | Coal |
| | Dol |
| | Gyp |
| | Ls |
| | Mrst |
| | Calc dol |
| | Sltstrg |
| | Ssstrg |
| | Chalk |
| | New symbol |

SHOW

| | |
|--|-------------|
| | Oil |
| | Spotted |
| | Ques |
| | Dead |
| | Gas |
| | Oil/gas |
| | Bed contact |

ACCESSORIES

FOSSIL

| | |
|--|---------|
| | Algae |
| | Amph |
| | Belm |
| | Bioclst |
| | Brach |
| | Bryozoa |
| | Cephal |
| | Coral |
| | Spore |
| | Crin |
| | Echin |
| | Fish |
| | Foram |
| | Fossil |
| | Gastro |

| | |
|--|----------|
| | Oolite |
| | Ostra |
| | Pelec |
| | Pellet |
| | Pisolite |
| | Plant |
| | Strom |

MINERAL

| | |
|--|----------|
| | Mica |
| | Anhy |
| | Arggrn |
| | Arg |
| | Bent |
| | Bit |
| | Brecfrag |

| | |
|--|----------|
| | Calc |
| | Carb |
| | Chtdk |
| | Chtlt |
| | Dol |
| | Feldspar |
| | Ferrpel |
| | Ferr |
| | Glau |
| | Gyp |
| | Hvymin |
| | Kaol |
| | Marl |
| | Minxl |
| | Nodule |
| | Phos |

| | |
|--|--------------|
| | Pyr |
| | Salt |
| | Sandy |
| | Silt |
| | Sil |
| | Sulphur |
| | Tuff |
| | Copper |
| | Ooliticastic |
| | Ooloid |
| | Oolite |
| | Sucrosic |
| | Dark specks |

STRINGER

| | |
|--|----------|
| | Calc dol |
|--|----------|

| | |
|--|------------|
| | Silty dol |
| | Anhy |
| | Arg |
| | Bent |
| | Coal |
| | Dol |
| | Gyp |
| | Ls |
| | Mrst |
| | Calc dol |
| | Sltstrg |
| | Ssstrg |
| | Chalk |
| | New symbol |

OTHER SYMBOLS

ACTIVITY

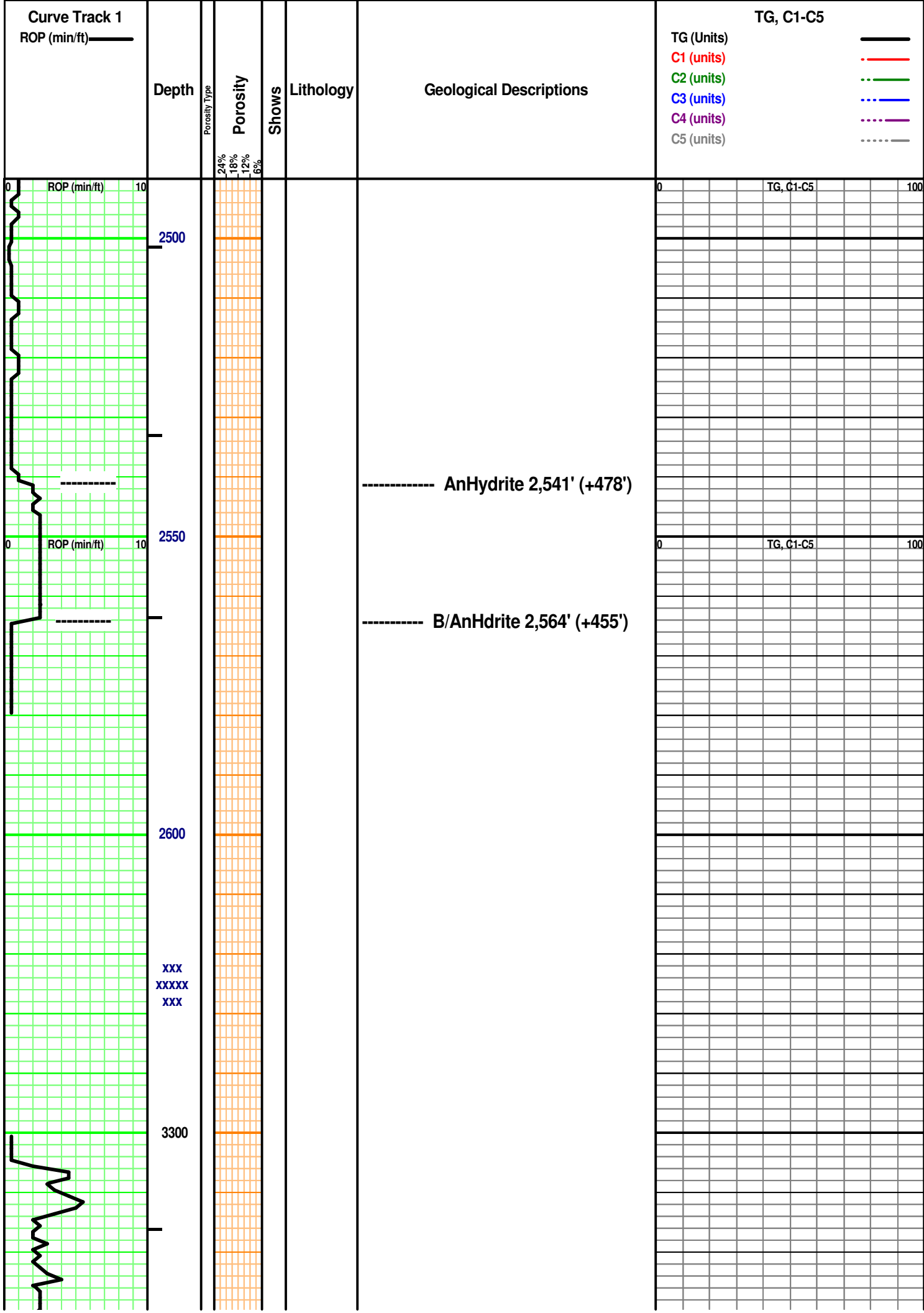
| | |
|--|--------------------|
| | Lost circluation |
| | Circulate for same |

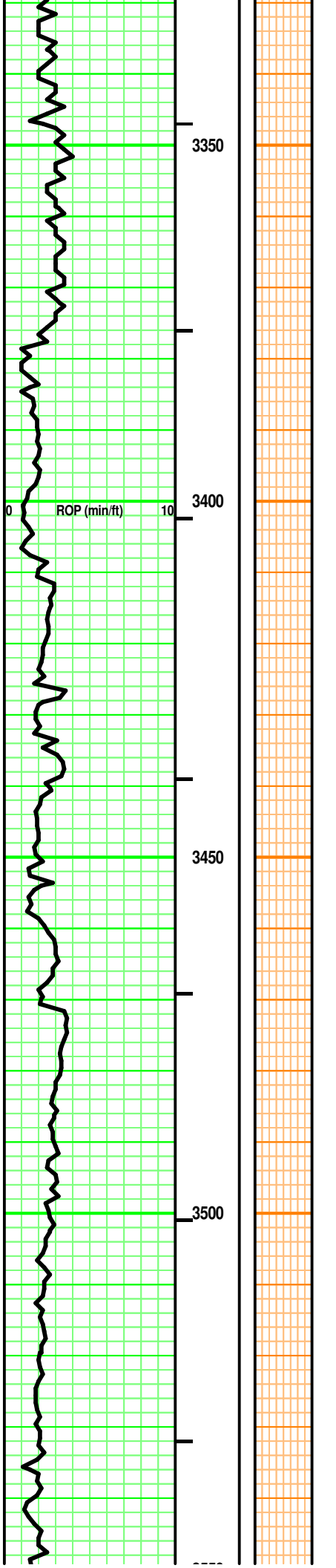
| | |
|--|--------------------|
| | Circulate for same |
| | Rtd |
| | Trip |

EVENT

| | |
|--|------------|
| | Connection |
| | Rft |

| | |
|--|----------|
| | Sidewall |
|--|----------|





Dry Wt of Collars: 43,754#
 [524' x 83.5#/ft = 43,754#]
 Drill Collars: 6-1/8" x 2.5"
 Buoyancy Wt of Collars: 37,891#
 [43,754# x .866 (8.8ppg) = 37,891#]
 Available WOB: 32,207#
 [37,891# x .85 = 32,207#]

100 units = 1% Gas

TG, C1-C5

DISPLACE MUD @ 3,402'

Weight Indicator Check @ 3,627'

Dry Wt of:
 DC - (See Above) = 45,341#
 DP - 3,061' x 16#/ft = 48,976#
 Total Dry Wt = 92,730#

Buoyancy Wt = 80,304#
 [92,730# x .866 (8.8ppg)
 = 80,304#]

Buoyancy Wt + Surface
 Equipment = String Weight
 [80,304# + 20,000# = 100,304#]
 String Weight = 100,304#

Weight Indicator
 shows 100M;
 therefore,
 weight indicator
 is okay.

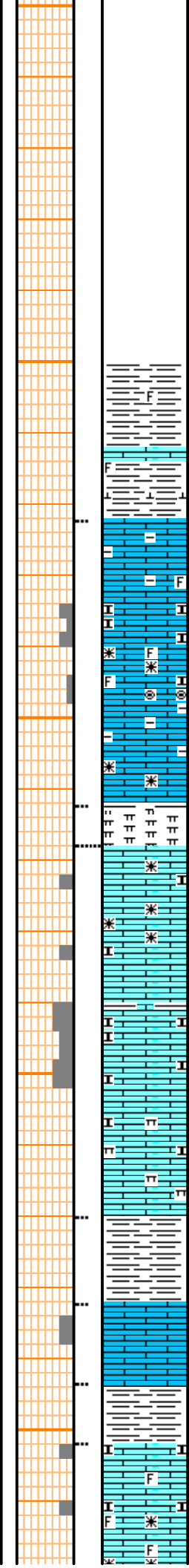
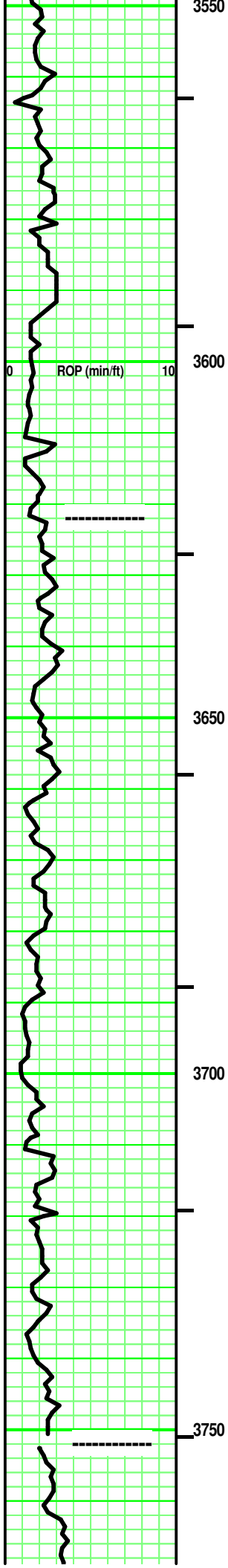
Vis: 56
 Wt: 8.6
 LCM: 1#

Contractor reports running
 38M# on bit by WI and has
 actually 38M# WOB.

-vs-
 Calculated available
 WOB of 32,207#.

Vis: 51
 Wt: 8.8
 LCM: 2#

How Wire Calibration Check



Interbedded SH & LS
 SH - Lt & Med Gray. tr Tannish Gray to rare Brownish Gray. tr limy streaks. some calc in part. rare fossil frag. soft.

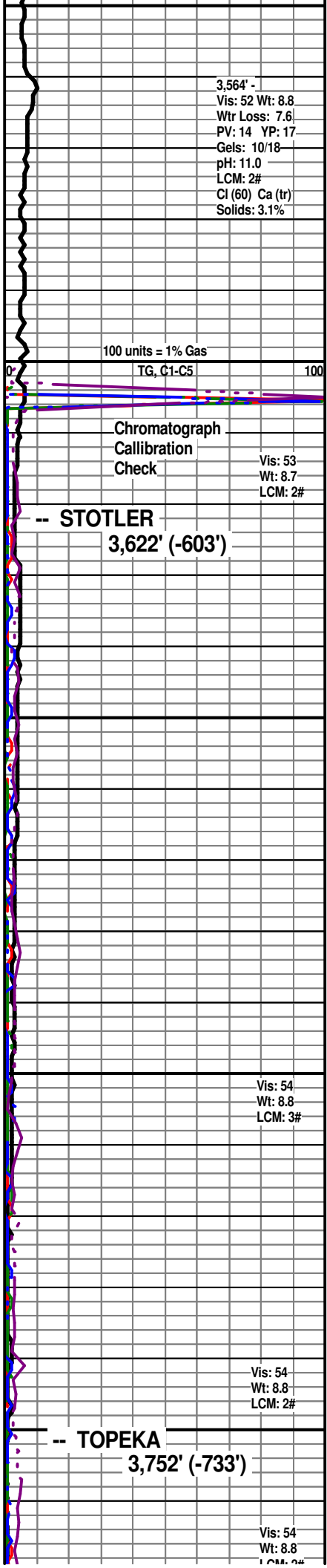
LS - Tan/ tr Pale Gray, some Lt Gray. Sing. XF-/ Micro-xln. xln por. tr subchalky in part. tr argil in part. misc fossil frags & micro-Oolites. partly Firm. No/ tr vis por.

MARL - Grays. Hi argil/shaly at top. soft.

Interbedded SH & LS
 SH - Lt & Med Gray. tr/ some Tannish Gray. tr/ some limy streaks. some calc in part. soft.
 LS - Tans / tr Pale to Lt Grays. Sing. XF-/ some Micro-xln. xln por. rare Re-xln. tr argil in part. subchalky & marly in part and intermixed. No/ tr vis por.

SH - Lt/ Med Gray. Sing. highly limy (Tannish & Pale Gray) to LS stringers (Tan, Micro-xln).

LS - Grays/ Tans. Sing/ some to mostly Mot. XF-/ mostly Micro-xln. xln por. some to lots of subchalky/ chalky. tr/ fair fossil frags in part. some intermixed/ interbedded argil or shale (Med/Dark Gray). Firm. No/ tr vis por.



3,564' -
 Vis: 52 Wt: 8.8
 Wtr Loss: 7.6
 PV: 14 YP: 17
 Gels: 10/18
 pH: 11.0
 LCM: 2#
 Cl (60) Ca (tr)
 Solids: 3.1%

100 units = 1% Gas
 TG, C1-C5

Chromatograph
 Calibration
 Check
 Vis: 53
 Wt: 8.7
 LCM: 2#

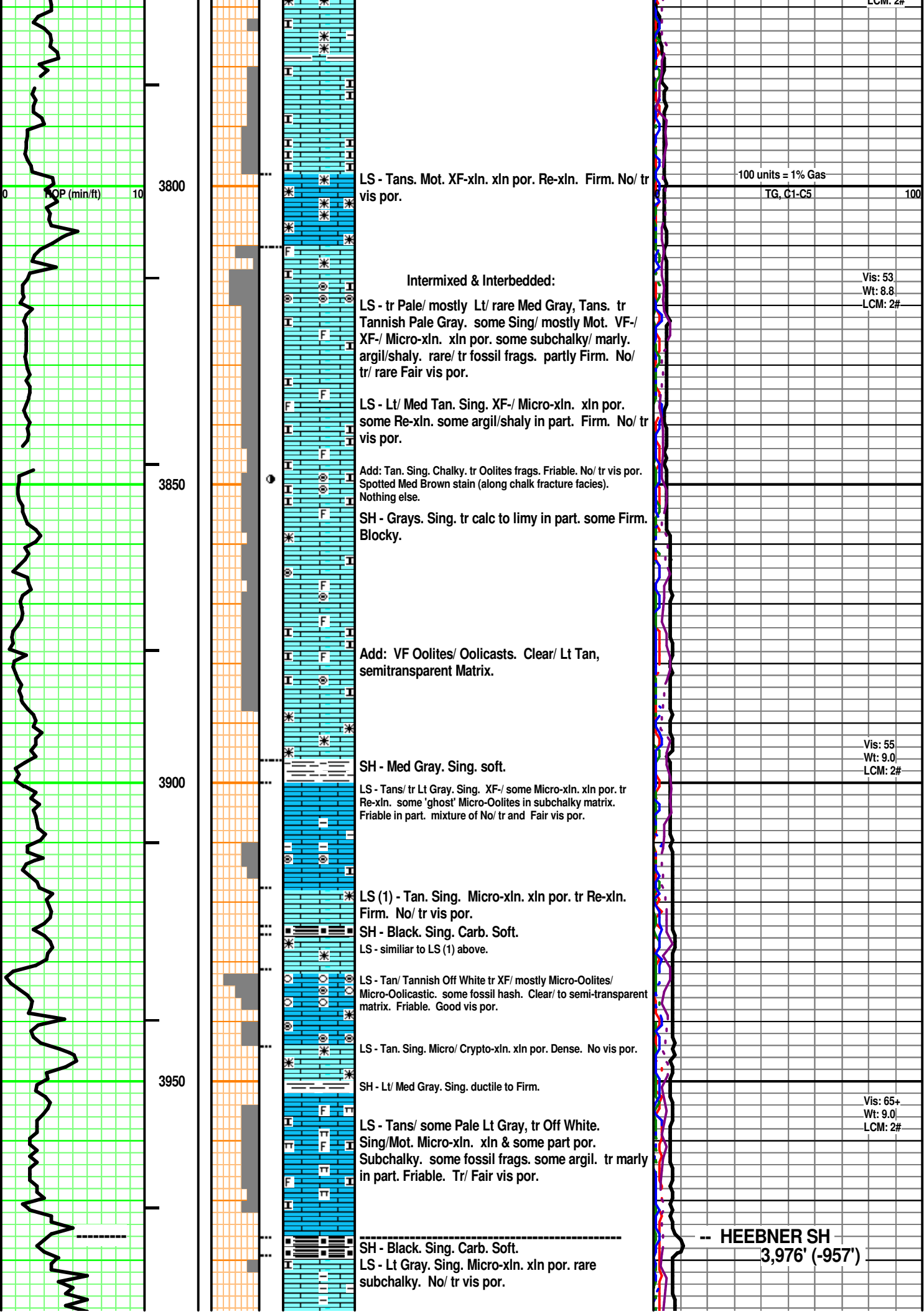
-- STOTLER
 3,622' (-603')

Vis: 54
 Wt: 8.8
 LCM: 3#

Vis: 54
 Wt: 8.8
 LCM: 2#

-- TOPEKA
 3,752' (-733')

Vis: 54
 Wt: 8.8
 LCM: 2#



LCM: 2#

100 units = 1% Gas
TG, C1-C5

100

Intermixed & Interbedded:

LS - tr Pale/ mostly Lt/ rare Med Gray, Tans. tr Tannish Pale Gray. some Sing/ mostly Mot. VF-/ XF-/ Micro-xln. xln por. some subchalky/ marly. argil/shaly. rare/ tr fossil frags. partly Firm. No/ tr/ rare Fair vis por.

Vis: 53
Wt: 8.8
LCM: 2#

LS - Lt/ Med Tan. Sing. XF-/ Micro-xln. xln por. some Re-xln. some argil/shaly in part. Firm. No/ tr vis por.

Add: Tan. Sing. Chalky. tr Oolites frags. Friable. No/ tr vis por. Spotted Med Brown stain (along chalk fracture facies). Nothing else.

SH - Grays. Sing. tr calc to limy in part. some Firm. Blocky.

Add: VF Oolites/ Oolcasts. Clear/ Lt Tan, semitransparent Matrix.

Vis: 55
Wt: 9.0
LCM: 2#

SH - Med Gray. Sing. soft.

LS - Tans/ tr Lt Gray. Sing. XF-/ some Micro-xln. xln por. tr Re-xln. some 'ghost' Micro-Oolites in subchalky matrix. Friable in part. mixture of No/ tr and Fair vis por.

LS (1) - Tan. Sing. Micro-xln. xln por. tr Re-xln. Firm. No/ tr vis por.

SH - Black. Sing. Carb. Soft.

LS - similar to LS (1) above.

LS - Tan/ Tannish Off White tr XF/ mostly Micro-Oolites/ Micro-Oolastic. some fossil hash. Clear/ to semi-transparent matrix. Friable. Good vis por.

LS - Tan. Sing. Micro/ Crypto-xln. xln por. Dense. No vis por.

SH - Lt/ Med Gray. Sing. ductile to Firm.

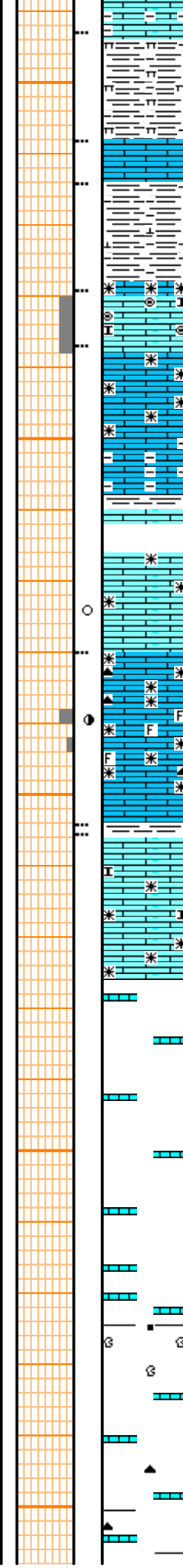
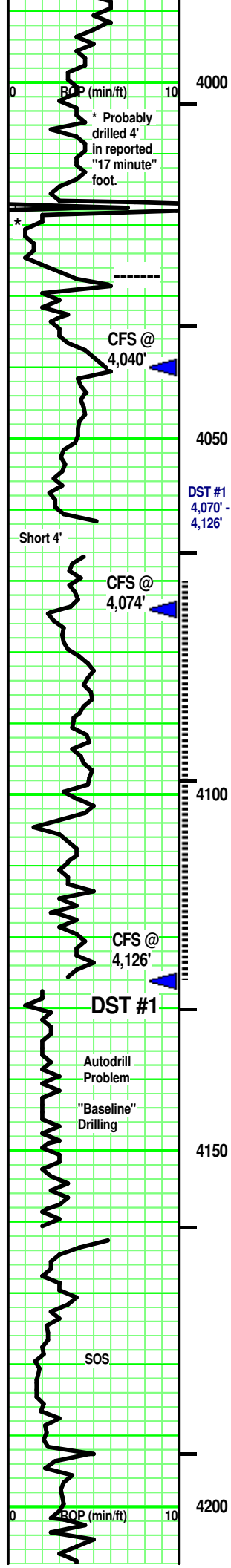
Vis: 65+
Wt: 9.0
LCM: 2#

LS - Tans/ some Pale Lt Gray, tr Off White. Sing/Mot. Micro-xln. xln & some part por. Subchalky. some fossil frags. some argil. tr marly in part. Friable. Tr/ Fair vis por.

SH - Black. Sing. Carb. Soft.

LS - Lt Gray. Sing. Micro-xln. xln por. rare subchalky. No/ tr vis por.

-- HEEBNER SH
3,976' (-957')



SH - Med Gray. Sing. Hi marly. Firm. Massive.

LS - Off White/ Tan. Sing/ tr Mot. Micro-xln. xln por. mostly Firm. No/ tr vis por

SH - Lt Gray. Sing. tr calc.

LS - Off White/ Tan. Sing/ tr Mot. Micro-xln. xln & tr Vuggy por. [some VF Oolites in part, Off White. Clear/ Pale Tan, semitransparent Matrix. Friable. Tr vis por.] some Re-xln. rare subchalky in part. mostly Firm. No/ tr vis por.

LS - Tans/ tr Lt Gray with depth. Sing/ tr Mot. XF-/ some Micro-xln. xln por. tr Re-xln. Firm at top. No/ tr vis por.

SH - Med Gray. Sing. tr calc.

3 pcs: LS - Tan. Sing. Micro-xln. xln & rare vuggy calc filled por. tr Re-xln. Firm. No/ tr vis por. tr/ some spotted Lt/Med Brown stain rimming vuggy por. Northing else.

LS - Tan. Sing. XF-xln. xln and some XF vuggy por. some minute Re-xln. [tr/ some CHERT - Gray/ Dark Tan. Sing. Opaque. tr misc inclusions. No tripolitic.] some fossil frags. mostly Firm. tr/ fair vuggy por in part. Faint odor. rare/ Spotted yellow fluorescence. A/C, rare minute Dark Brown free oil spheres floating on wash water. rare gas bubble cling to rx chip. Spotted Med Brown stain. Pos cut/ residual. Pos acid/ residual. rare/ tr Black tarry oil on chert frac face.

SH - Med/ Dark Gray. Sing. Massive. soft.

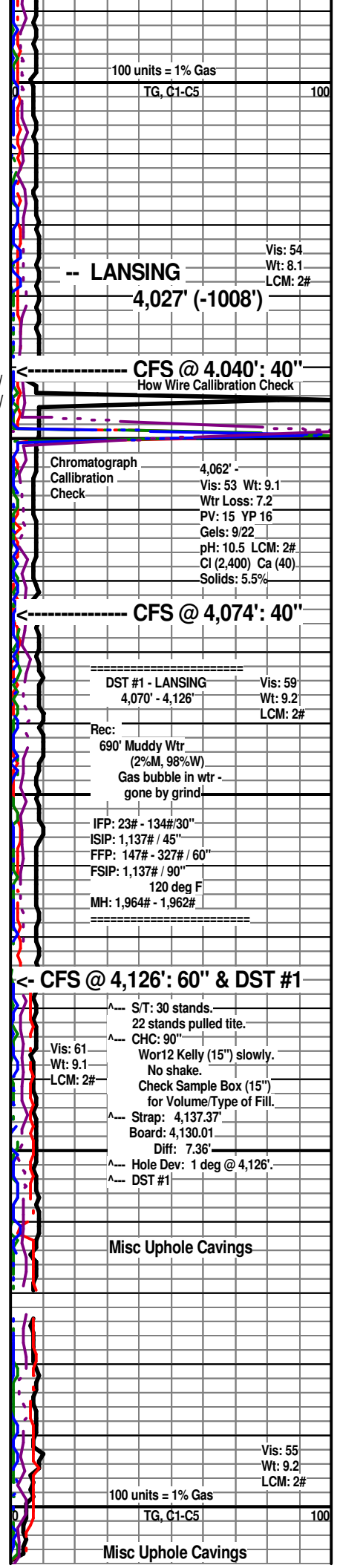
LS - Lt & Med Tan. Sing/ Mot. XF-/ Micro-xln. xln & particle por. tr Re-xln. rare subchalky in part. Firm. No/ tr vis por. No odo

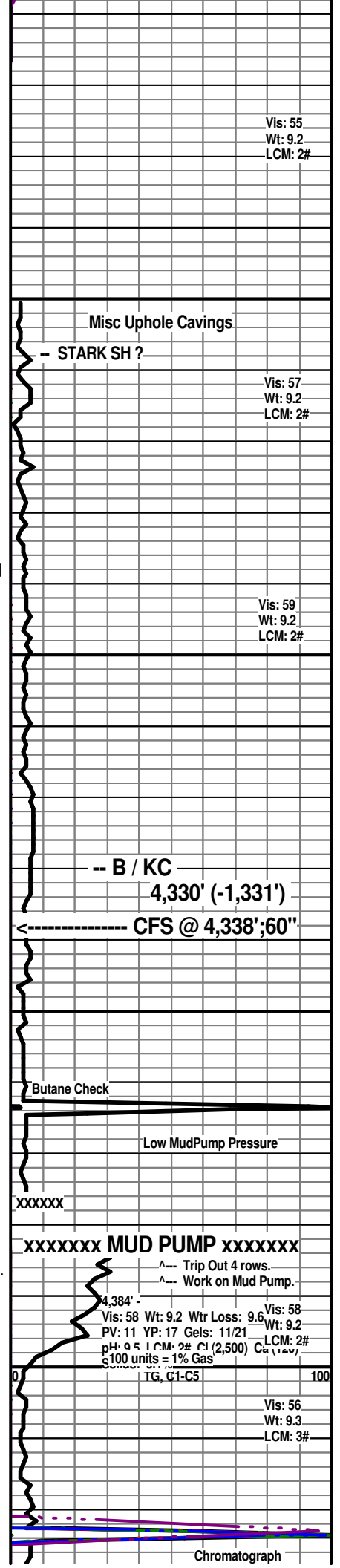
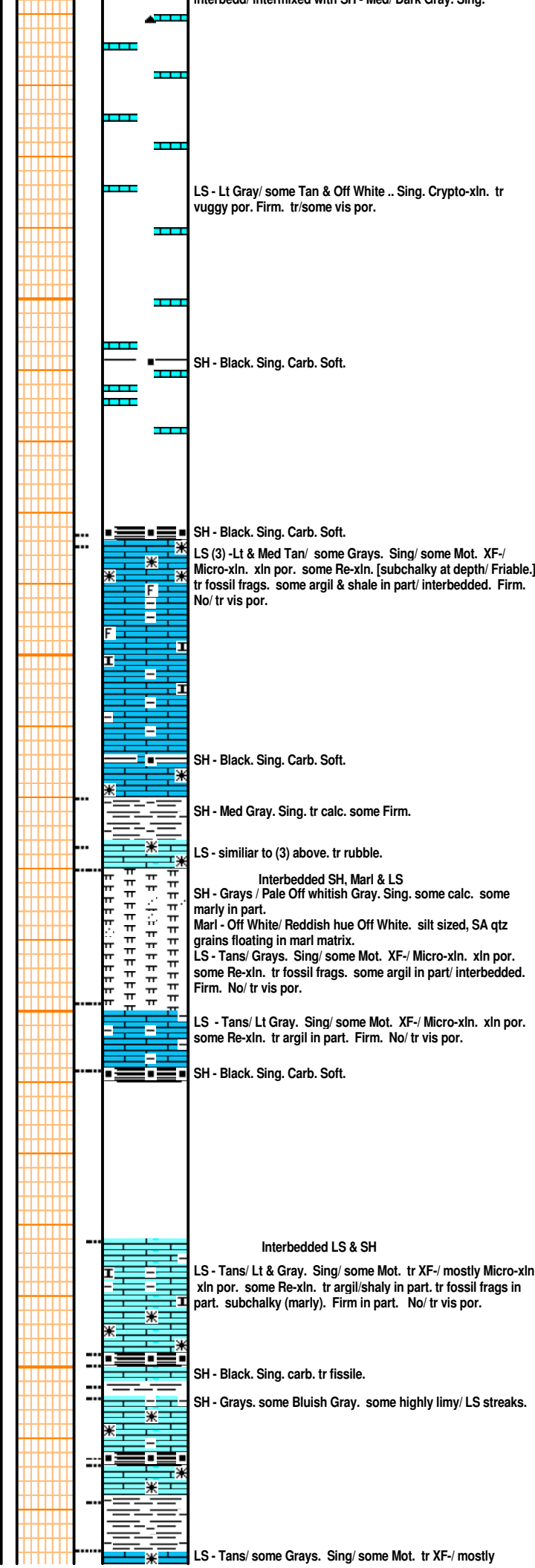
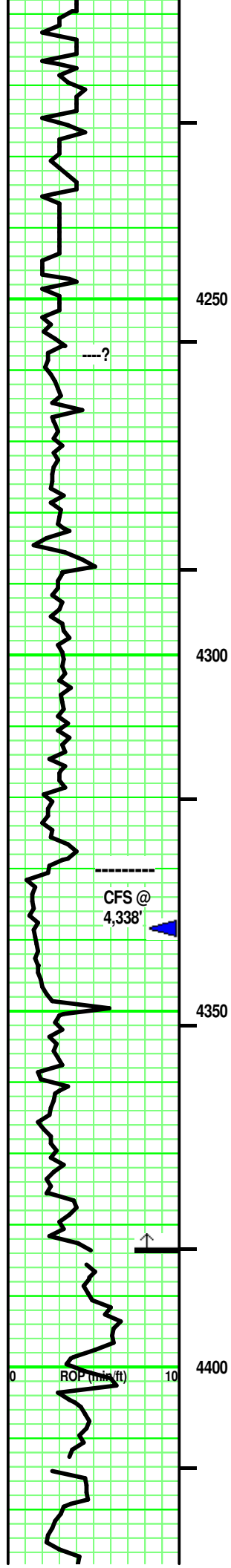
Misc LS - Lt/ Med Tan. Sing/ tr Mot. XF-/ Micro-xln. xln por. subchalky in part. Friable in part.

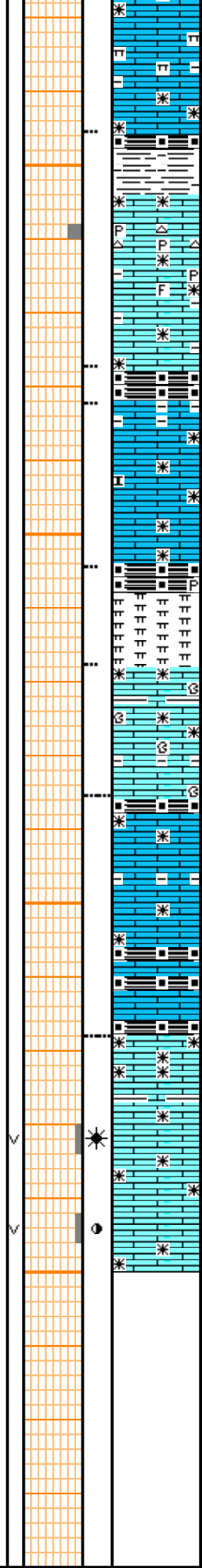
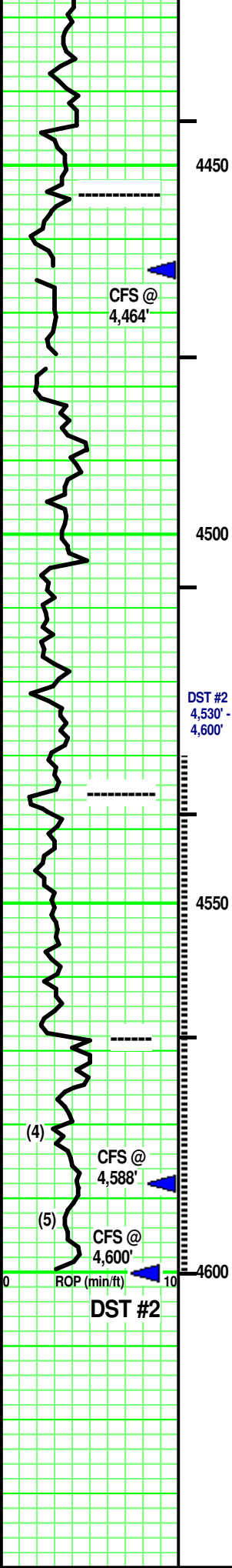
4,180' & 4,190' Sample has SH - Black. sing. carb. few pcs: Black shale rimmed LS frags.

LS - Tans/ rare Off White. Sing. XF-/Micro-xln. xln por. some subchalky. tr Re-xln. [few pcs CHERT - Dark Tan/ some Med Tan. Sing. Opaque. No inclusions or tripolitic.] partly Firm. No/ tr vis por.

interbedd/ intermixed with SH - Med/ Dark Gray. Sing







Micro-xln. xln por. some Re-xln. tr argil/shaly in part. subchalky (marly). Firm at top. No/ tr vis por.

LS - Tans/ some Lt Gray. Sing/ Mot. XF-/ some Micro-xln. xln & part por. tr Re-xln. [some Chert - Silvery Whitish Gray/ Off White/ rare Tan. Mot. misc minute Off White fossil inclusions. No tripolitic/ 'fresh'.] mostly Firm. tr ls 'rubble'. tr argil. minute pyritic xtals. No/ tr vis por.

SH - Black. Sing. carb. tr fissile.

LS - Tans/ some Off White. Sing/ tr Mot. . XF-xln/ Micro-xln . xln por. tr Re-xln. subchalky in part. some argil. Friable at break. mostly No/ tr vis por

SH - Black. Sing. carb. tr pyritic. soft

MARL - Lt/ Med Gray. Sing. soft. tr misc LS frags.

LS - Tan/ Pale Lt Gray/ some Off White. Sing/ tr Mot. XF-/ Micro-xln. xln por. tr Re-xln. tr argil in part. [some LS& Argil frags - Med/ Dark Tan, Dark Gray. VF/ XF. SA.] Firm. No/ tr vis por.

Interbedded SH & LS

SH - Black. Sing. carb. soft.

LS - Tan/ Pale Lt Gray/ rare Off White. Sing/ tr Mot. XF-/ Micro-xln. xln por. tr Re-xln. tr argil in part. [some LS& Argil frags - Med/ Dark Tan, Dark Gray. VF/ XF. SA.] Firm. No/ tr vis por.

LS (4) - Med/ Dark Tan, rare Lt Brown in part. Lt Tan at top. some Lt Gray. Sing/ tr Mot. XF-/ mostly Micro- & tr Crypto-xln. xln & some vuggy, irregular por. some subeuhedral xtals. Re-xln. some fossil frags. soem interbedded Gray shale. mostly Firm. tr/ Fair, some Good vis por. Good odor. Spotted/ Uniform Med Yellow flouresence. ----->

few pcs: LS (5) - similiar to (4) above. irregular, spotted vuggy por. No/? odor. Spotted Yellow flouresence. No free oil or gas. Spotted Med Brown stain. Weak Pos cut/ residual. Weak Pos acid/ residual.

Calibration Check

Vis: 56
Wt: 9.3
LCM: 2#

-- PAWNEE
4,454' (-1,435')

← CFS @ 4,464'; 60"

Air out Mud Pump

How Wire Calibration Check

-- CHEROKEE SH
4,535' (-1,516')

Vis: 55
Wt: 9.2
LCM: 2#

-- JOHNSON ZONE
4,568' (-1,549')

LS (4) - On own & after crushing, rare minute gas bubbles. tr free Med Brown oil clinging to rx chip and floating on wash water. Spotted Lt Brown stain. Pos cut/ residual. Pos acid/ residual

← CFS @ 4,588': 60"

← CFS @ 4,600': 60" & DST #2

Vis: 56
Wt: 9.3+
LCM: 2#

100 units = 1% Gas
^--- S/T: 10 stands.
^--- CHC: 75"
Wor12 Kelly (15") slowly.
No shake.
Check Sample Box (15")
for Volume/Type of Fill.
^--- DST #2.

Covey

The Well Watchers

Scale 1:240 (5"=100') Imperial

Well Name: GRASSLANDS #1
Location: Section 8 - Township 12 South - Range 32 West
Licence Number: 15-109-21,031. 0000 Region: Logan County, KS.
Spud Date: 7 September 2011 Drilling Completed: 17 September 2011
Surface Coordinates: 1,860' FNL & 1,220' FEL , NE/4
(Approximately SW NW SE NE)

Bottom Hole
Coordinates:
Ground Elevation (ft): 3,009 K.B. Elevation (ft): 3,019'
Logged Interval (ft): 3,600' To: 4,720' Total Depth (ft): 4,720'
Formation: Stotler -----> Miss (St. Louis)
Type of Drilling Fluid: Chemical; Low Solids (non-dispersed)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: NEW GULF OPERATING, LLC.
Address: 6310 East 102nd Street
Tulsa, Oklahoma 74137
(918) 728-3020
POC Geologist:
Joe Baker

GEOLOGIST

Name: Curtis Covey
Company: COVEY - The Well Watchers
Address: 6548 Bedford Circle
Derby, Kansas 67037
Office: (316) 776 - 0367 Cell: (316) 258-9976

KB: 3,019'

FORMATION TOPS

GL: 3,009'

| Formation | Rotary Sample Depth (Datum) | E-log Depth (Datum) |
|---------------------------|-----------------------------|---------------------|
| Anhydrite | 2,541' (+478') | 2,543' (+476') |
| B / Anhydrite | 2,564' (+455') | 2,564' (+455') |
| Stotler | 3,622' (-603') | 3,626' (-607') |
| Topeka | 3,752' (-733') | 3,754' (-735') |
| Heebner Shale | 3,976' (-957') | 3,978' (-959') |
| Lansing | 4,027' (-1,008') | 4,018' (-999') |
| Muncie Creek SH | NC | 4,168' (-1,149') |
| Stark SH | NC | 4,246' (-1,227') |
| B / KC | 4,330' (-1,311') | 4,332' (-1,313') |
| Pawnee LS | 4,454' (-1,435') | 4,460' (-1,441') |
| Cherokee Sh | 4,535' (-1,516') | 4,538' (-1,519') |
| 'Johnson' Zone | 4,568' (-1,549') | 4,572' (-1,553') |
| Morrow SH | 4,606' (-1,587') | 4,610' (-1,621') |
| Miss (Erosional) | 4,635' (-1,616') | 4,640' (-1,621') |
| Miss (Lithological) | 4,649' (-1,630') | 4,654' (-1,635') |

Loggers:

Superior Well Services - Hays, Kansas

RTD: 4,720' LTD: 4,724' ATD: 4,724'

E-log is 0' - 2' high to rotary sample depth, uphole.

E-log is 3' - 4' high to rotary sample depth, mid- & down hole sample logged interval.

DST #1 - LANSING

Rotary Depth: 4,070' - 4,126'
 Logger's Depth: 4,073' - 4,129'

Recovery: 690' Muddy Wtr (2%M, 98%W)
 Gas bubble in wtr - gone by grind
 Total Fluid: 690'

Recovery Water: (59,000 ppm)
 System Water: (2,400 ppm)

IFP: 23# - 134# / 30"
 ISIP: 1,137# / 45"
 FFP: 147# - 327# / 60"
 FSIP: 1,137# / 90"
 120 deg F
 MH: 1,964# - 1,962#

IF: BOB in 11 minutes.
 ISl: No Blow back.
 FF: BOB in 14.5 minutes.
 FSl: No Blow Back.

Recovery Water (Engineer):
 (51,000 ppm)
 Reported Rw =
 0.18 ohms @ 55 deg F

Diamond Testing ... Hoisington, KS.

DST #2 - 'JOHNSON' ZONE

Rotary Depth: 4,530' - 4,600'
 Logger's Depth: 4,534' - 4,604'

Recovery: 2,103' Muddy Water (2%M, 98%W)
 Gas bubble in wtr - gone by grind

Recovery Water: (29,000 ppm)
 System Water: (3,200 ppm)

IFP: 93# - 684# / 30"
 ISIP: 1,089# / 45"
 FFP: 700# - 958# / 63"
 FSIP: 1,088# / 45"
 115 deg F
 MH: 2,207# - 2,206#

IF: BOB in 2 minutes.
 ISl: No Blow back.
 FF: BOB in 2-1/4 minutes.
 FSl: No Blow Back.

Recovery Water (Engineer):
 (13,000 ppm)
 Reported Rw =
 0.29 ohms @ 59 deg F

Diamond Testing ... Hoisington, KS.

2011 DAILY DRILLING STATUS -- SEPTEMBER 2011

| | 12-1/4" Hole | 7-7/8" Hole | 7-7/8" Hole |
|--------|---|--|--|
| 7 Sept | --- Spud @ 6pm. Drill to 268'. Run 8-5/8" casing (23#) Set casing @ 267'. | 8 Sept --- WOC. 6:30am @ 268'. Under surface casing @ 4:15pm. | 15 Sept --- 6:30am @ 4,383'. Work on Mud Pump. |
| 8 | --- Cemented w/ 200 sx Class A (2% Gel + 3% CC). [Allied] Cement did circulate. Plug down @ 1:45am. WOC. | 9 --- 6:30am @ 1,415'. 10 --- 6:30am @ 2,420'. 11 --- 6:30am @ 3,080'. Displace Mud @ 3,402'. 12 --- 6:30am @ 3,545'. 13 --- 6:30am @ 4,040'. Start and 14 --- Finish DST #1: Lansing (4,070'-4,126'). 6:30am @ 4,126'. Resumed Drilling @ 8:30am. Drill to 4,383' ... T/O 4 rows ... Work on Mud Pump. | 16 --- Start 6:30am @ 4,600'. Finish DST #2: Johnson Zone (4,530'-4,600') Resumed Drilling @ 9:08am. 17 --- RTD *4,720') @ 3:30am. E-Log. [Superior Well Services] |

HOLE DEVIATION 268' - 4,720')

| DEPTH / TVD | --- INCLINATION | AZIMUTH | NORTH | SOUTH | EAST | WEST | DOGLEG deg/100' |
|-------------|--------------------|---------|-------|-------|------|------|-----------------|
| 268' / | --- 0.50 (Surface) | | | | | | |
| 1,197' / | --- 0.75 | | | | | | |
| 2,191' / | --- 1.25 | | | | | | |
| 3,191' / | --- 1.00 | | | | | | |
| 4,122' / | --- 1.00 (DST #1) | | | | | | |
| 4,600' / | --- 1.00 (DST #2) | | | | | | |
| 4,720' / | --- 1.00 (RTD) | | | | | | |

STRAP @ DST #1

Board: 4,130.01'
 Strap: 4,137.37'
 Diff: 7.36'

CONTRACTOR

VAL Energy --- Rig #4

10,500 E. Berkeley Square Parkway, Suite 1000
Wichita, Kansas 67230
Office: (316) 636-2090

Rig #4 - (620) 617-2793

Larry Hinderliter - (620) 804-0097

Pump: National K-500A
6" x 15" @ 58 SPM.
800-950 PSI @ Standpipe.

Uphole Hole:
WOB 35M @ 80 RPM.

After Mudup / Main Hole:
WOB 38M @ 75 RPM.

Drill Collars: 6-1/8" x 2.50" --- 524'. (83.5#/ft)
Dry Collar Weight: 45,754#
(@ 8.8 ppg / Buoyancy Factor 0.866)
Bouyancy Collar Weight: 37,891#
Design Factor: 15%, therefore:
available WOB is 32,207#
Drill Pipe: 4-1/2"XH. (16#/ft - used)

BIT RECORD

| DATE | SIZE | TYPE | JET SIZE | DEPTH IN / OUT | CUM. FT. | HOURS | ROP |
|--------------|---------|------------|--------------|-----------------|----------|--------|-------|
| 7 Sept 2011 | 12-1/4" | REED RR | 3 / 15's | 0' / 268' | 268' | 1.75 | 153.1 |
| 8 Sept 2011 | 7-7/8" | JZ QX-21S | 13 - 14 - 13 | 268' / 4,600' | 4,332' | 109.50 | 39.6 |
| 16 Sept 2011 | 7-7/8" | JZ QX-29SX | 13 - 14 - 13 | 4,600' / 4,720' | 120' | 5.25 | 22.9 |

ROCK TYPES

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Granite wash
- Congl
- Dol lmst
- Silty dol

- Calc dol
- Dol 2
- Dol
- Gyp
- Igne
- Lmst 2
- Lmst
- Meta
- Mrlst
- Salt
- Shale 3
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Ss 2

MINERAL

- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

STRINGER

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Ooliticastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks
- Calc dol
- Silty dol
- Anhy

- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol
- Oil
- Spotted
- Ques
- Dead
- Gas
- Oil/gas
- Bed contact

- SHOW
- Oil
- Spotted
- Ques
- Dead
- Gas
- Oil/gas
- Bed contact

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Spore
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro

- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag

- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos

- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Ooliticastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks

STRINGER

- Calc dol

- Silty dol
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol

OTHER SYMBOLS

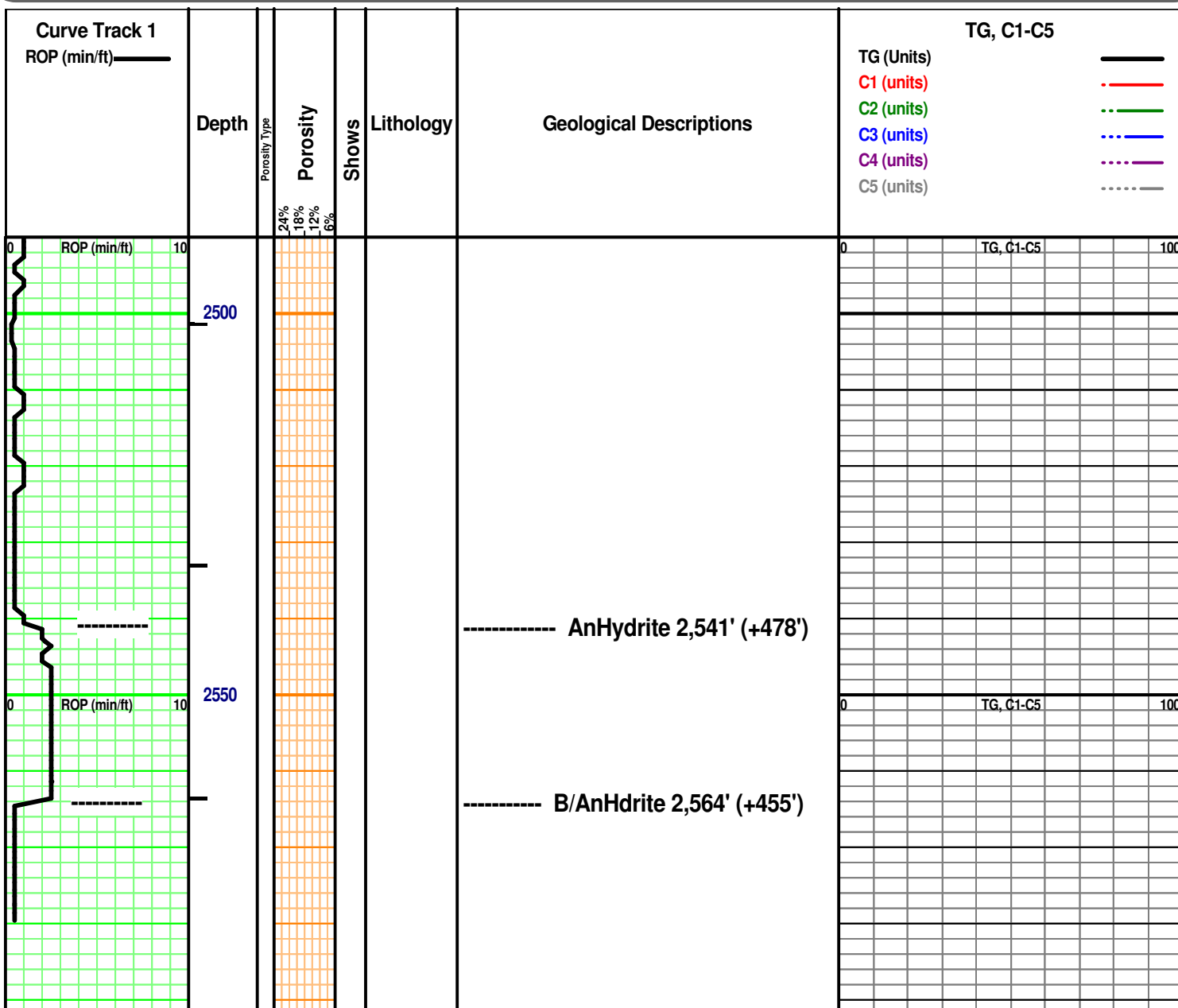
ACTIVITY

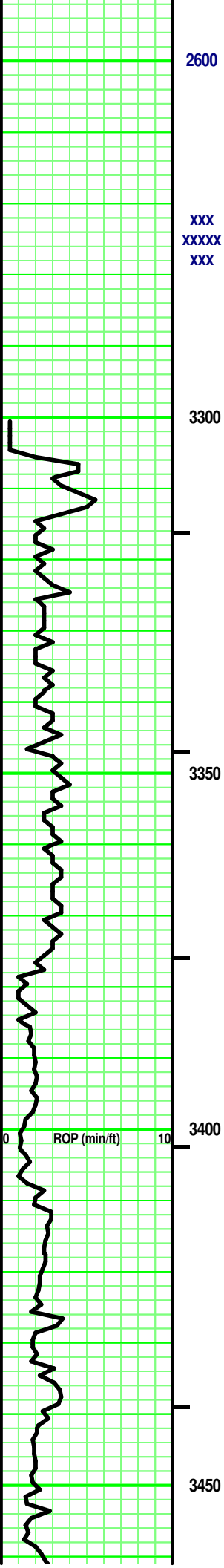
- Lost circluation
- Circulate for same

- Circulate for same
- Rtd
- Trip

- Connection
- Rft

- Sidewall





2600

XXX
XXXXX
XXX

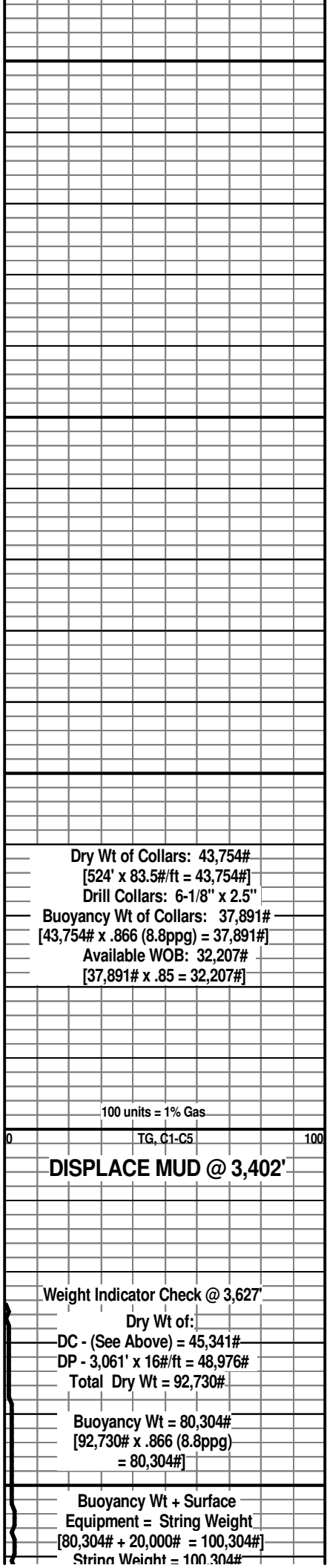
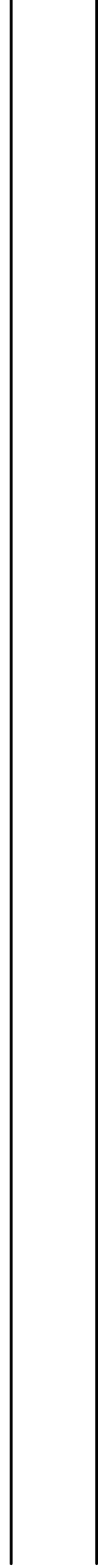
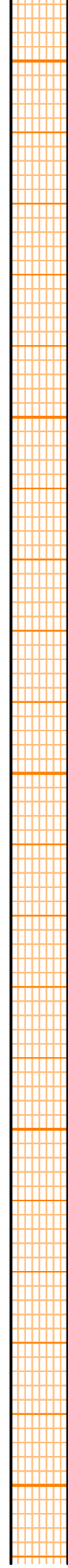
3300

3350

3400

3450

0 ROP (min/ft) 10



Dry Wt of Collars: 43,754#
 [524' x 83.5#/ft = 43,754#]
 Drill Collars: 6-1/8" x 2.5"
 Buoyancy Wt of Collars: 37,891#
 [43,754# x .866 (8.8ppg) = 37,891#]
 Available WOB: 32,207#
 [37,891# x .85 = 32,207#]

100 units = 1% Gas

TG, C1-C5

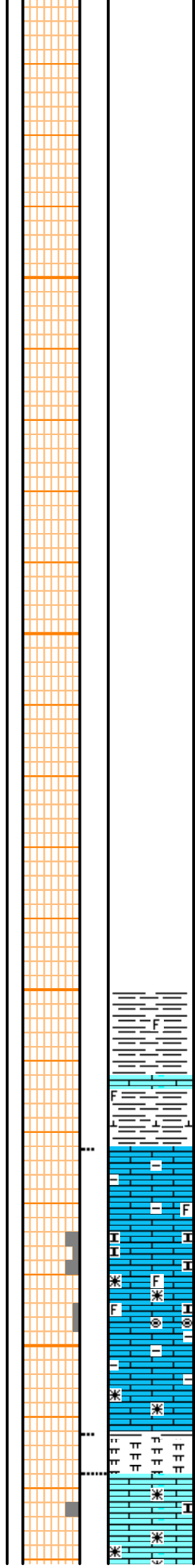
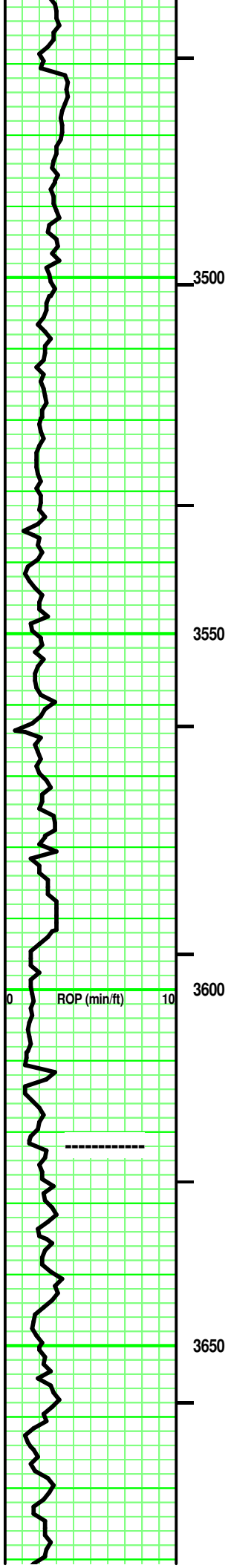
DISPLACE MUD @ 3,402'

Weight Indicator Check @ 3,627'

Dry Wt of:
 DC - (See Above) = 45,341#
 DP - 3,061' x 16#/ft = 48,976#
 Total Dry Wt = 92,730#

Buoyancy Wt = 80,304#
 [92,730# x .866 (8.8ppg)
 = 80,304#]

Buoyancy Wt + Surface
 Equipment = String Weight
 [80,304# + 20,000# = 100,304#]
 String Weight = 100,304#



Interbedded SH & LS

SH - Lt & Med Gray. tr Tannish Gray to rare Brownish Gray. tr limy streaks. some calc in part. rare fossil frag. soft.

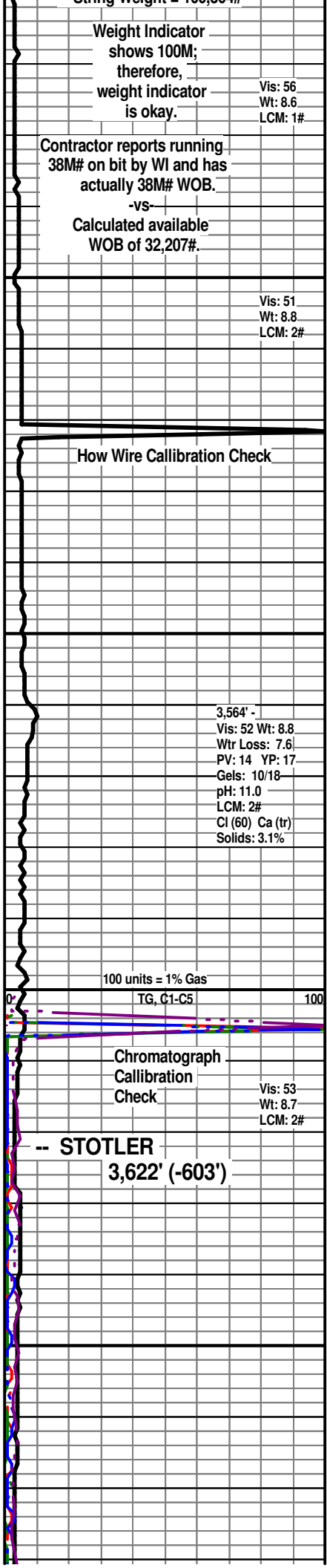
LS - Tan/ tr Pale Gray, some Lt Gray. Sing. XF-/ Micro-xln. xln por. tr subchalky in part. tr argil in part. misc fossil frags & micro-Oolites. partly Firm. No/ tr vis por.

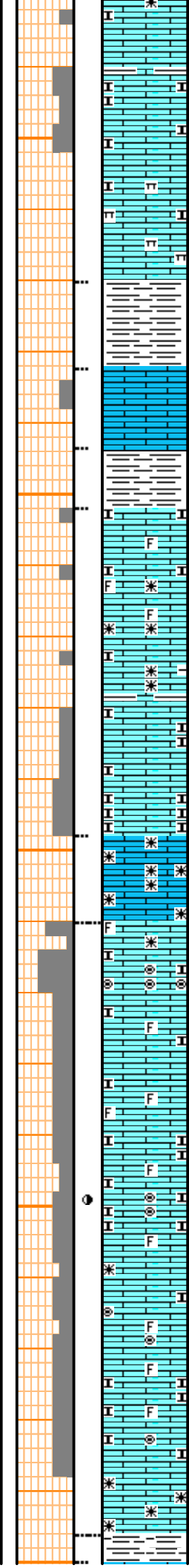
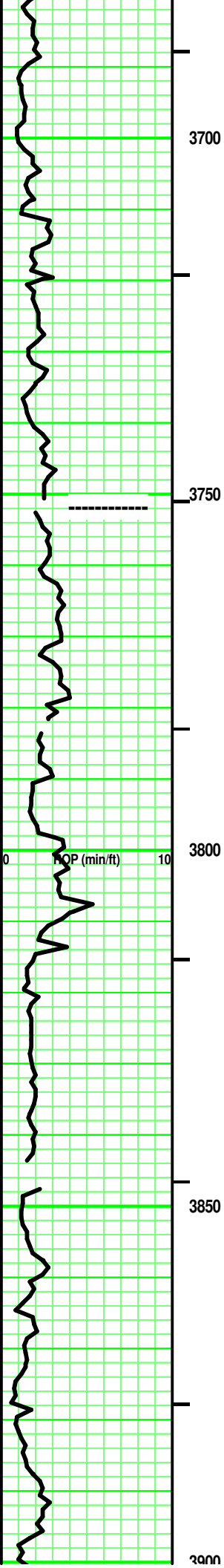
MARL - Grays. Hi argil/shaly at top. soft.

Interbedded SH & LS

SH - Lt & Med Gray. tr/ some Tannish Gray. tr/ some limy streaks. some calc in part. soft.

LS - Tans / tr Pale to Lt Grays. Sing. XF-/ some





LS - Tans/ tr Pale to Lt Grays. Sing. XF/ some Micro-xln. xln por. rare Re-xln. tr argil in part. subchalky & marly in part and intermixed. No/ tr vis por.

SH - Lt/ Med Gray. Sing. highly limy (Tannish & Pale Gray) to LS stringers (Tan, Micro-xln).

LS - Grays/ Tans. Sing/ some to mostly Mot. XF-/ mostly Micro-xln. xln por. some to lots of subchalky/ chalky. tr/ fair fossil frags in part. some intermixed/ interbedded argil or shale (Med/Dark Gray). Firm. No/ tr vis por.

LS - Tans. Mot. XF-xln. xln por. Re-xln. Firm. No/ tr vis por.

Intermixed & Interbedded:
 LS - tr Pale/ mostly Lt/ rare Med Gray, Tans. tr Tannish Pale Gray. some Sing/ mostly Mot. VF-/ XF-/ Micro-xln. xln por. some subchalky/ marly. argil/shaly. rare/ tr fossil frags. partly Firm. No/ tr/ rare Fair vis por.

LS - Lt/ Med Tan. Sing. XF-/ Micro-xln. xln por. some Re-xln. some argil/shaly in part. Firm. No/ tr vis por.

Add: Tan. Sing. Chalky. tr Oolites frags. Friable. No/ tr vis por. Spotted Med Brown stain (along chalk fracture facies). Nothing else.

SH - Grays. Sing. tr calc to limy in part. some Firm. Blocky.

Add: VF Oolites/ Oolcasts. Clear/ Lt Tan, semitransparent Matrix.

SH - Med Gray. Sing. soft.

Vis: 54
 Wt: 8.8
 LCM: 3#

Vis: 54
 Wt: 8.8
 LCM: 2#

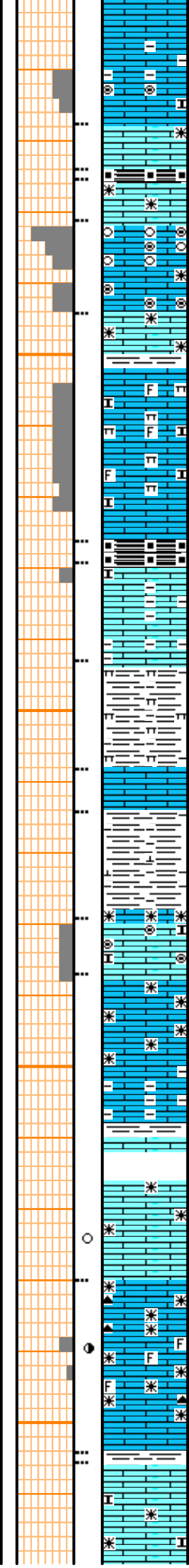
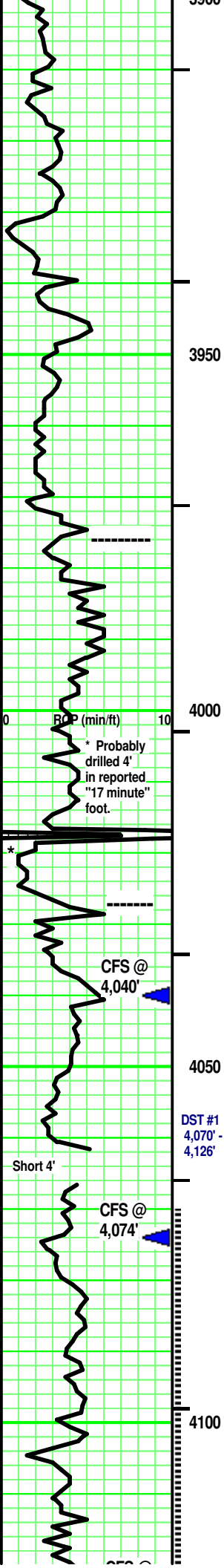
-- TOPEKA
3,752' (-733')

Vis: 54
 Wt: 8.8
 LCM: 2#

100 units = 1% Gas
 TG, C1-C5 100

Vis: 53
 Wt: 8.8
 LCM: 2#

Vis: 55
 Wt: 9.0
 LCM: 2#



LS - Tans/ tr Lt Gray. Sing. XF-/ some Micro-xln. xln por. tr Re-xln. some 'ghost' Micro-Oolites in subchalky matrix. Friable in part. mixture of No/ tr and Fair vis por.

LS (1) - Tan. Sing. Micro-xln. xln por. tr Re-xln. Firm. No/ tr vis por.

SH - Black. Sing. Carb. Soft. LS - similar to LS (1) above.

LS - Tan/ Tannish Off White tr XF/ mostly Micro-Oolites/ Micro-Oolitic. some fossil hash. Clear/ to semi-transparent matrix. Friable. Good vis por.

LS - Tan. Sing. Micro/ Crypto-xln. xln por. Dense. No vis por.

SH - Lt/ Med Gray. Sing. ductile to Firm.

LS - Tans/ some Pale Lt Gray, tr Off White. Sing/Mot. Micro-xln. xln & some part por. Subchalky. some fossil frags. some argil. tr marly in part. Friable. Tr/ Fair vis por.

SH - Black. Sing. Carb. Soft. LS - Lt Gray. Sing. Micro-xln. xln por. rare subchalky. No/ tr vis por.

SH - Med Gray. Sing. Hi marly. Firm. Massive.

LS - Off White/ Tan. Sing/ tr Mot. Micro- xln. xln por. mostly Firm. No/ tr vis por

SH - Lt Gray. Sing. tr calc.

LS - Off White/ Tan. Sing/ tr Mot. Micro-xln. xln & tr Vuggy por. [some VF Oolites in part, Off White. Clear/ Pale Tan, semitransparent Matrix. Friable. Tr vis por.] some Re-xln. rare subchalky in part. mostly Firm. No/ tr vis por.

LS - Tans/ tr Lt Gray with depth. Sing/ tr Mot. XF-/ some Micro-xln. xln por. tr Re-xln. Firm at top. No/ tr vis por.

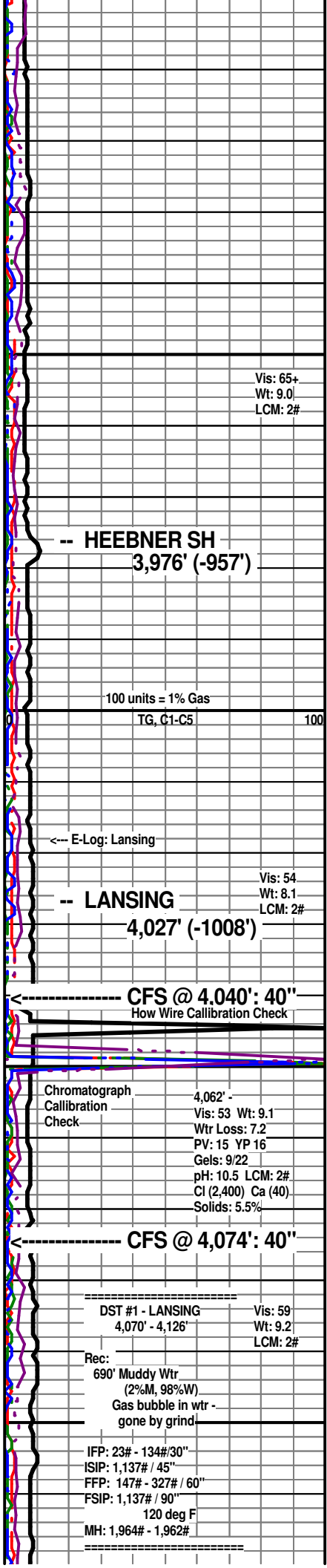
SH - Med Gray. Sing. tr calc.

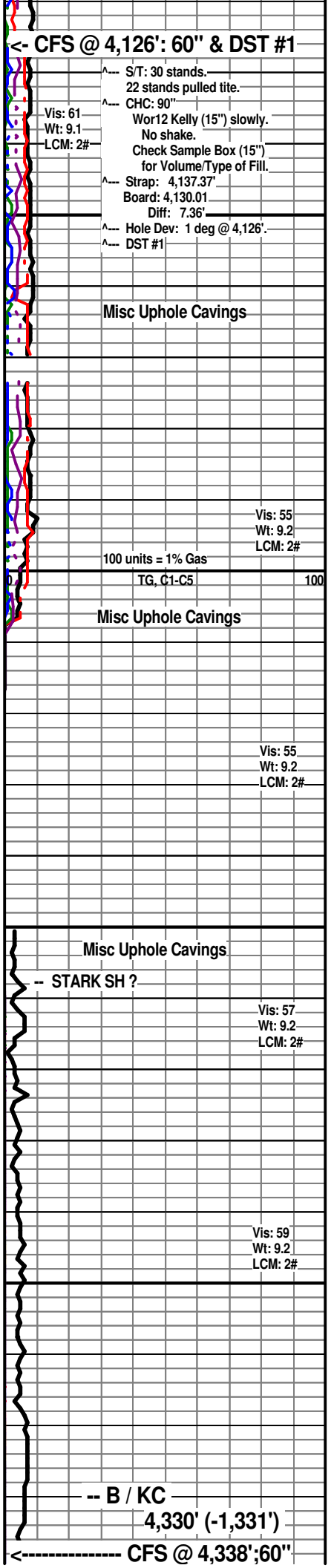
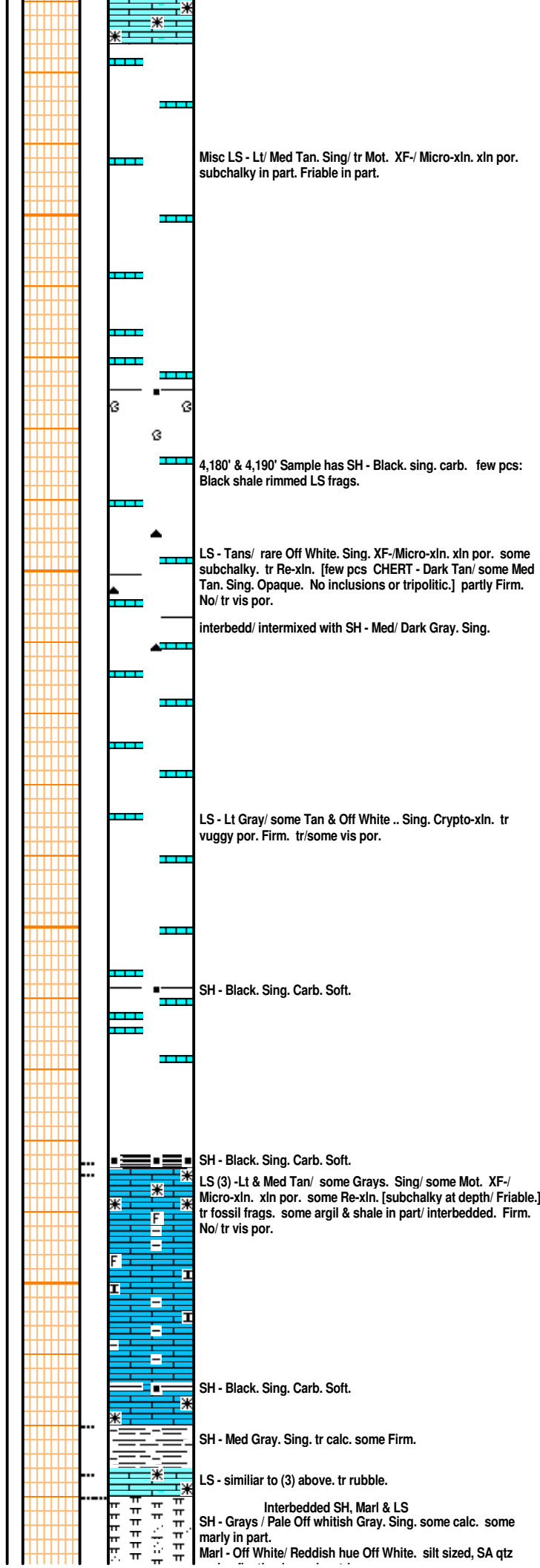
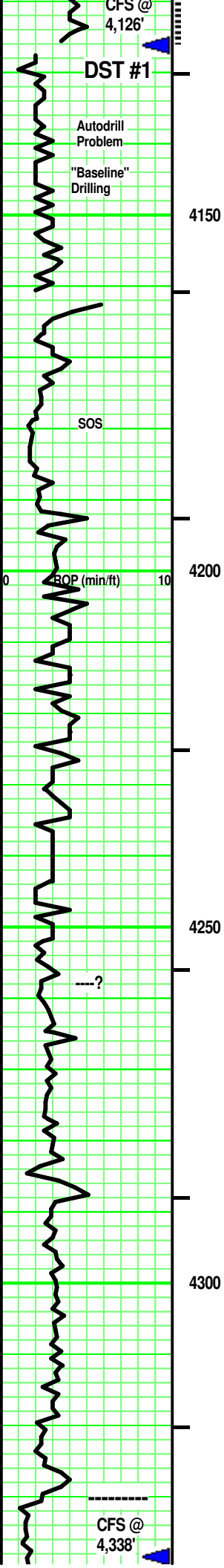
3 pcs: LS - Tan. Sing. Micro-xln. xln & rare vuggy calc filled por. tr Re-xln. Firm. No/ tr vis por. tr/ some spotted Lt/Med Brown stain rimming vuggy por. Nothing else.

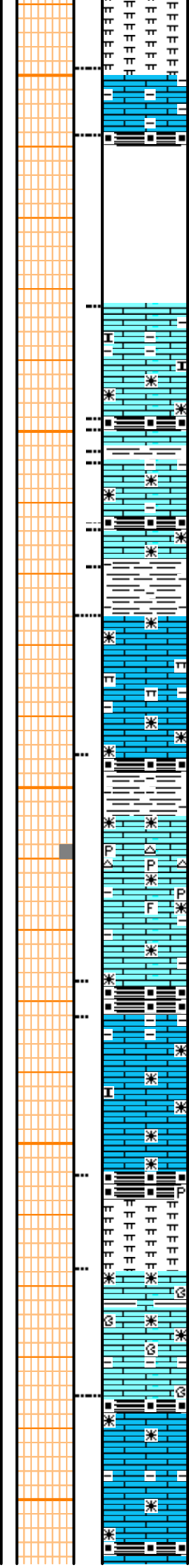
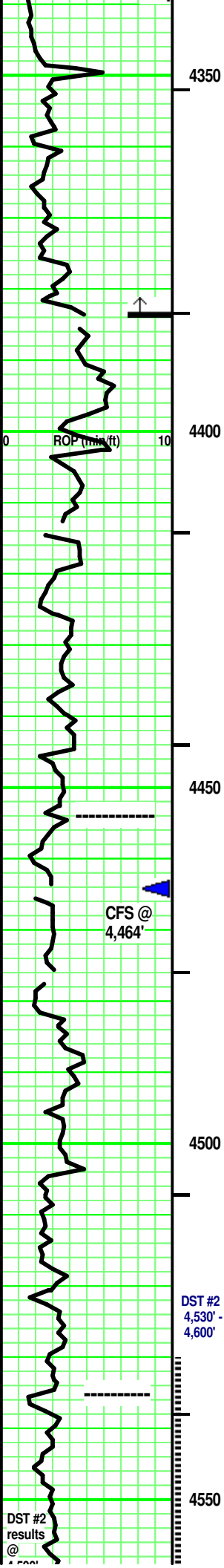
LS - Tan. Sing. XF-xln. xln and some XF vuggy por. some minute Re-xln. [tr/ some CHERT - Gray/ Dark Tan. Sing. Opaque. tr misc inclusions. No tripolitic.] some fossil frags. mostly Firm. tr/ fair vuggy por in part. Faint odor. rare/ Spotted yellow fluorescence. A/C, rare minute Dark Brown free oil spheres floating on wash water. rare gas bubble cling to rx chip. Spotted Med Brown stain. Pos cut/ residual. Pos acid/ residual. rare/ tr Black tarry oil on chert frac face.

SH - Med/ Dark Gray. Sing. Massive. soft.

LS - Lt & Med Tan. Sing/ Mot. XF-/ Micro-xln. xln & particle por. tr Re-xln. rare subchalky in part. Firm. No/ tr vis por. No odo







grains floating in marl matrix.
 LS - Tans/ Grays. Sing/ some Mot. XF-/ Micro-xln. xln por. some Re-xln. tr fossil frags. some argil in part/ interbedded. Firm. No/ tr vis por.

LS - Tans/ Lt Gray. Sing/ some Mot. XF-/ Micro-xln. xln por. some Re-xln. tr argil in part. Firm. No/ tr vis por.

SH - Black. Sing. Carb. Soft.

Interbedded LS & SH

LS - Tans/ Lt & Gray. Sing/ some Mot. tr XF-/ mostly Micro-xln. xln por. some Re-xln. tr argil/shaly in part. tr fossil frags in part. subchalky (marly). Firm in part. No/ tr vis por.

SH - Black. Sing. carb. tr fissile.

SH - Grays. some Bluish Gray. some highly limy/ LS streaks.

LS - Tans/ some Grays. Sing/ some Mot. tr XF-/ mostly Micro-xln. xln por. some Re-xln. tr argil/shaly in part. subchalky (marly). Firm at top. No/ tr vis por.

LS - Tans/ some Lt Gray. Sing/ Mot. XF-/ some Micro-xln. xln & part por. tr Re-xln. [some Chert - Silvery Whitish Gray/ Off White/ rare Tan. Mot. misc minute Off White fossil inclusions. No tripolitic/ 'fresh'.] mostly Firm. tr ls 'rubble'. tr argil. minute pyritic xtals. No/ tr vis por.

SH - Black. Sing. carb. tr fissile.

LS - Tans/ some Off White. Sing/ tr Mot. XF-xln/ Micro-xln. xln por. tr Re-xln. subchalky in part. some argil. Friable at break. mostly No/ tr vis por

SH - Black. Sing. carb. tr pyritic soft

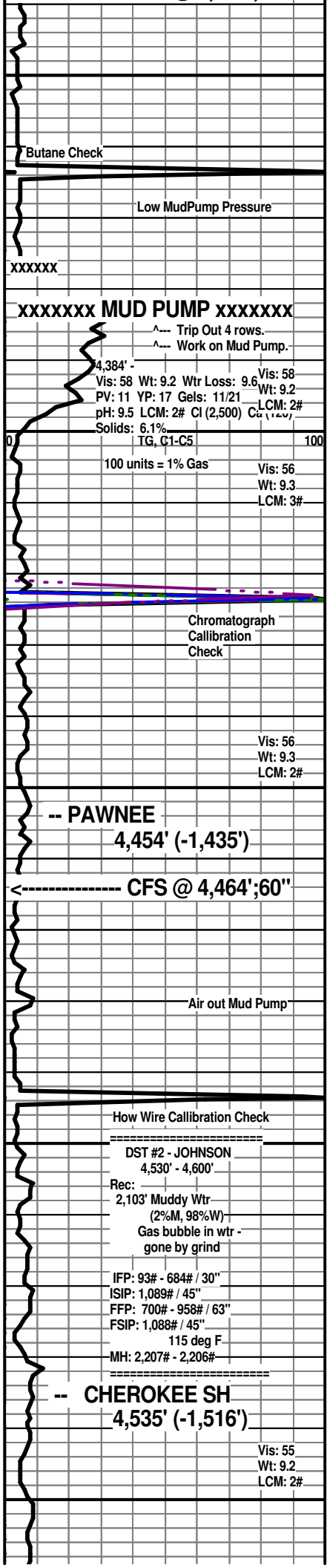
MARL - Lt/ Med Gray. Sing. soft. tr misc LS frags.

LS - Tan/ Pale Lt Gray/ some Off White. Sing/ tr Mot. XF-/ Micro-xln. xln por. tr Re-xln. tr argil in part. [some LS& Argil frags - Med/ Dark Tan, Dark Gray. VF/ XF. SA.] Firm. No/ tr vis por.

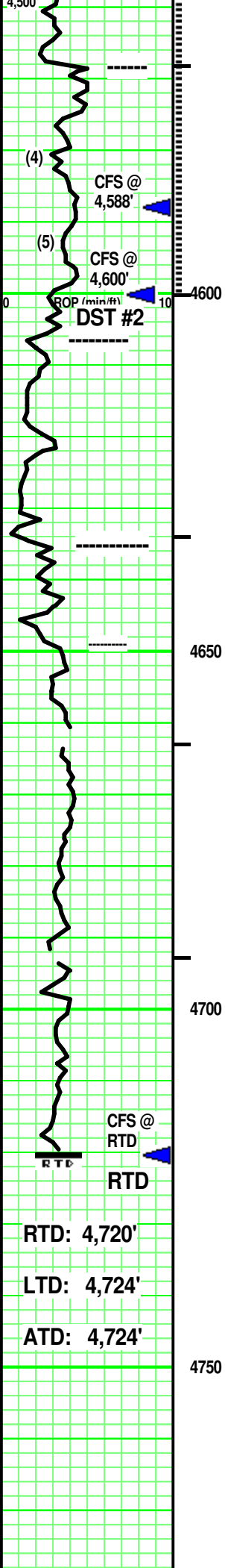
Interbedded SH & LS

SH - Black. Sing. carb. soft.

LS - Tan/ Pale Lt Gray/ rare Off White. Sing/ tr Mot. XF-/ Micro-xln. xln por. tr Re-xln. tr argil in part. [some LS& Argil frags - Med/ Dark Tan, Dark Gray. VF/ XF. SA.] Firm. No/ tr vis por.



DST #2
 results
 @ 4,500'



LS (4) - Med/ Dark Tan, rare Lt Brown in part. Lt Tan at top. some Lt Gray. Sing/ tr Mot. XF-/ mostly Micro- & tr Crypto-xln. xln & some vuggy, irregular por. some subeuhedral xtals. Re-xln. some fossil frags. soem interbedded Gray shale. mostly Firm. tr/ Fair, some Good vis por. Good odor. Spotted/ Uniform Med Yellow floures ence. ----->

few pcs: LS (5) - similar to (4) above. irregular, spotted vuggy por. No/? odor. Spotted Yellow flouresence. No free oil or gas. Spotted Med Brown stain. Weak Pos cut/ residual. Weak Pos acid/ residual.

MORROW SH 4,606' (-1,587')
Interbedded SH, Siltstone
SH - Black. Sing. carb. soft. tr pyritic. Grays. Sing. some limy/ LS streaks. soft.
Siltstone - Green Blue/ Green/ Lt & Med Gray/ Greenish Gray/ some Yellow, Blue. Sing/ Mot. [some limy (tan, tannish Gray.) some sandy in part. rare, minute pyrite. rare plant part.

MISS 4,635' (-1,616')
LS - Lt/Med Tan, some Off White. Sing. Micro-/ some Crypto-xln. xln por. Re-xln. tr/some F sized, SR, mod sph. vitreous qtz grains floating in LS matrix. tr White subchalky in part. mostly Firm. No/ tr vis por.

LS - Lt/Med Tan, some Lt Gray, some Off White. Sing. mostly XF- & Micro-/ rare Crypto-xln. xln por. Re-xln. misc calc nodules (VF/Micro, SR calc). few pcs: Tan Micro-Oolites in Clear/ semitransparent Tan matrix. rare/ tr SR, subsph. vitreous qtz grains floating in LS matrix. rare/ tr Green glauc VF, A grain or stain. Firm. No/ tr vis por.

Add interbedded with depth: tr CHERT - Off White/ some Tan. Mot. semitransparent to opaque. some White inclusions. No tripolitic.

LS - Tans/ tr Grays. Mot. Micro-/ tr Crypto-xln. xln & part por. some Re-xln. tr dolomitic in part. tr subnodules in part. Firm. No/ tr vis por.

JOHNSON ZONE
4,568' (-1,549')

LS (4) - On own & after crushing, rare minute gas bubbles. tr free Med Brown oil clinging to rx chip and floating on wash water. Spotted Lt Brown stain. Pos cut/ residual. Pos acid/ residual

CFS @ 4,588': 60"

Vis: 56
Wt: 9.3+
LCM: 2#

CFS @ 4,600': 60" & DST #2

100 units = 1% Gas
S/T: 10 stands.
CHC: 75"

Wor12 Kelly (15") slowly.
No shake.
Check Sample Box (15") for Volume/Type of Fill.
DST #2.

DST #2 @ 4,600' -
Vis: 56 Wt: 9.3
Wtr Loss: 8.8
PV: 15 YP: 19
Gels: 13/29
pH: 9.5 LCM: 2#
Cl (3,200) Ca (80)
Solids: 6.6%

Cavings ----->

Vis: 60
Wt: 9.3
LCM: 2#

Vis: 55
Wt: 9.3
LCM: 2#

E-log @ 4,720' -
Vis: 55 Wt: 9.3
Wtr Loss: 8.8
PV: 13 YP: 17
Gels: 11/20 LCM: 2#
Cl (3,400) Ca (60)
Solids: 6.4%

XXXXXXXX RTD XXXXXXXX

CFS @ RTD: 60"
S/T: 10 stands.
CHC: 60"

Work Kelly (15") slowly.
No shake.
Check Sample Box (15") for Volume/Type of Fill.
Hole Dev: 1 deg @ RTD.
E-LOG

Superior Well Services

GRASSLANDS #1
1,860' FNL & 1,220' FEL 8-T12S-R32W
Logan County, Kansas

Wellsite Geologist:
Curtis Covey
COVEY - The Well Watchers

Well Number: 1,123

NEW GULF OPERATING, LLC.
Tulsa, Oklahoma



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 244323

Invoice Date: 09/20/2011 Terms: 10/10/30,n/30

Page 1

NEW GULF OPERATING LLC
6310 EAST 102ND ST.
TULSA OK 74137
(918)728-3020

GRASSLANDS #1
28233
10-12S-34W
09-17-2011
KS

| Part Number | Description | Qty | Unit Price | Total |
|-------------|-------------------------|--------|------------|---------|
| 1131 | 60/40 POZ MIX | 220.00 | 14.3500 | 3157.00 |
| 1118B | PREMIUM GEL / BENTONITE | 756.00 | .2400 | 181.44 |
| 4432 | 8 5/8" WOODEN PLUG | 1.00 | 96.0000 | 96.00 |
| 1107 | FLO-SEAL (25#) | 55.00 | 2.6600 | 146.30 |

| Sublet Performed | Description | Total |
|------------------|---------------|---------|
| 9999-130 | CASH DISCOUNT | -358.07 |
| 9999-130 | CASH DISCOUNT | -169.50 |

| Description | Hours | Unit Price | Total |
|---------------------------------|-------|------------|---------|
| 399 P & A NEW WELL | 1.00 | 1250.00 | 1250.00 |
| 399 EQUIPMENT MILEAGE (ONE WAY) | 7.00 | 5.00 | 35.00 |
| 399 TON MILEAGE DELIVERY | 1.00 | 410.00 | 410.00 |

COMPANY NGO-KS
WELL # Grasslands #1
AFE # _____
G/L ACCT CODE 1510-14
G/L DESCRIPT Country
DATE ENTRY/DATE _____
AUTHORIZED/DATE 9/23/11

*ok per
9/23/11*

Amount Due 5555.04 if paid after 10/20/2011

| | | | | | | | |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 3580.74 | Freight: | .00 | Tax: | 251.37 | AR | 4999.54 |
| Labor: | .00 | Misc: | .00 | Total: | 4999.54 | | |
| Sublt: | -527.57 | Supplies: | .00 | Change: | .00 | | |

Signed _____

Date _____

BARTLESVILLE, Ok
918/338-0808

ELDORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

GILLETTE, WY
307/686-4914

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

WORLAND, WY
307/347-4577



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 28233

LOCATION Oakley

FOREMAN Kelly Gabel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------------------------|------------|--------------------|---------|-----------------|-----------------|--------|
| 9-7-11 | 5661 | Grasslands #1 | 10 | 12 ^S | 34 ^W | Logan |
| CUSTOMER <u>New Gulf Oper.</u> | | | | | | |
| MAILING ADDRESS | | | | | | |
| CITY | | | | | | |
| STATE | | | | | | |
| ZIP CODE | | | | | | |
| TRUCK # | | DRIVER | | TRUCK # | | DRIVER |
| 399 | | JOSH G | | | | |
| 460 | | DAMON M | | | | |

JOB TYPE PTA HOLE SIZE 7 1/4 HOLE DEPTH 4720 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, rigged upon val drilling #4 to circulate. Mixed cement plugs and displaced down, washed up truck and lines, Rigged down & left location.

25SKS @ 2550
100SKS @ 1565
40SKS @ 320
10SKS @ 40
30RH 15MH

*Thank You
Kelly & crew*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|--------------------|--------------------|
| 5405 N | 1 | PUMP CHARGE | 1250 ⁰⁰ | 1250 ⁰⁰ |
| 5406 | 7 | MILEAGE | 5 ⁰⁰ | 35 ⁰⁰ |
| 1131 | 220SKS | 60/40 Poz | 14 ³⁵ | 3157 ⁰⁰ |
| 1118 B | 756 [#] | Bentonite | .24 | 181 ⁴⁴ |
| 1107 | 55 [#] | Flo-Seal | 266 | 1463 ⁰⁰ |
| 5402A | 9.46 | Ton Mixed cement (M:n) | 105 | 410 ⁰⁰ |
| 4432 | 1 | 1 5/8 Wooden Plug | 96 ⁰⁰ | 96 ⁰⁰ |
| | | | | 5275 ⁴⁴ |
| | | | Jens 10% disc | 527 ⁵² |
| | | | | 4748 ⁴² |
| | | 244323 | SALES TAX | 251.32 |
| | | | ESTIMATED TOTAL | 4999.54 |

Revin 3737

AUTHORIZATION [Signature]

TITLE _____

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

File



TICKET NUMBER 28207
LOCATION Oaklands
FOREMAN Kelly Gable
Walt Drake

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|------------|--------------------|------------|---------------------|-----------------|--------|
| 9-7-11 | 5661 | Grasslands 1 | 8 | 12 ^s | 32 ^w | Logan |
| CUSTOMER <u>New Gulf Operating LLC</u> | | | | | | |
| MAILING ADDRESS <u>Oaklax</u> | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| CITY | | | <u>463</u> | <u>Danna Miller</u> | | |
| STATE | | | <u>439</u> | <u>Cecil Parker</u> | | |
| ZIP CODE | | | | | | |

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 268' CASING SIZE & WEIGHT 8 5/8 - 20
CASING DEPTH 264' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 1512 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 15'
DISPLACEMENT 16 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: Safety Meeting, Rig up on Val Digs #4, on bottom circ
mix 200 sks com, 30% cc - 2% cel, release plug + Displace 16 BBL
H₂O @ 200 #, shut in
Cement Did Circ

*Thank You
Kelly + Crew*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|-----------------------|-------------------|------------------------------------|------------|----------|
| 54015 | 1 | PUMP CHARGE | 1,025.00 | 1,025.00 |
| 5406 | 8 | MILEAGE | 5.00 | 40.00 |
| 11043 | 200 SKS | Class A Cement | 16.80 | 3,360.00 |
| 1102 | 564 # | Calcium Chloride | 1.84 | 1,037.76 |
| 1118B | 376 # | Bentonite | 1.24 | 466.24 |
| 5407 4432# | 1 | 8 5/8 Woodan Plug | 96.00 | 96.00 |
| 5407 | 9.4 | Ton Mileage Delivery | 158 | 1,485.20 |
| | | | | 5,495.00 |
| | | | | - 549.50 |
| | | | | 4,945.50 |
| | | | | 282.20 |
| | | | | 5,227.70 |

Less 10% Disc

244124

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 26, 2012

Danny Birdwell
New Gulf Operating LLC
6310 E. 102nd St.
TULSA, OK 74137

Re: ACO1
API 15-109-21031-00-00
Grasslands 1
NE/4 Sec.08-12S-32W
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Danny Birdwell

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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March 26, 2012

Danny Birdwell
New Gulf Operating LLC
6310 E. 102nd St.
TULSA, OK 74137

Re: ACO-1
API 15-109-21031-00-00
Grasslands 1
NE/4 Sec.08-12S-32W
Logan County, Kansas

Dear Danny Birdwell :

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/07/2011 and the ACO-1 was received on March 26, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department