



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: _____



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 Bbbs. | Gas Mcf | Water Bbbs. | 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | American Warrior, Inc. |
| Well Name | Holt 4-12 |
| Doc ID | 1146757 |


Tops

| Name | Top | Datum |
|----------|-------|-------|
| Heebner | 4132' | -1185 |
| Toronto | 4151' | -1204 |
| L/KC | 4247' | -1300 |
| Stark | 4711' | -1764 |
| Marmaton | 4934' | -1987 |
| Cherokee | 5126' | -2179 |
| Morrow | 5585' | -2638 |
| Chester | 5814' | -2867 |
| St.Louis | 6169' | -3249 |

WELL COMPARISON SHEET

| FORMATION | H | | | | O&G | | | | H | | | | P&A O&G 6-2001 | | | | | | | | | |
|----------------|------------------------|------------|-------|------------|----------------------|-------|-------|-------|--------------------|------------|-------|-------|--------------------|-------|-------|------------|-----------------|-------|-------|-------|-------|----|
| | AMERICAN WARRIOR, INC. | | | | ARCO OIL & GAS CO. | | | | ARCO OIL & GAS CO. | | | | ARCO OIL & GAS CO. | | | | | | | | | |
| | HOLT #3-12 | | | | HOLT #2 | | | | HOLT #1 | | | | NIPPLE #1 | | | | | | | | | |
| | HOLT #4-12 | | | | SE SW NW SW 12-32-35 | | | | E/2 NW SW 12-32-35 | | | | S/2 SW 12-32-35 | | | | S/2 NW 12-32-35 | | | | | |
| LOGTOPS | | SAMPLETOPS | | COMP. CARD | | LOG | | SMPL. | | COMP. CARD | | LOG | | SMPL. | | COMP. CARD | | LOG | | SMPL. | | |
| DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | |
| HEEBNER SHALE | 4132 | -1185 | 4133 | -1186 | 4110 | -1177 | - | 8 | - | 9 | | | | | | 4054 | -1147 | - | 38 | - | 39 | |
| TORONTO | 4151 | -1204 | 4152 | -1205 | 4131 | -1198 | - | 6 | - | 7 | | | | | | | | | | | | |
| LKC | 4247 | -1300 | 4256 | -1309 | 4230 | -1297 | - | 3 | - | 12 | 4201 | -1295 | - | 5 | - | 14 | 4266 | -1295 | - | 5 | - | 14 |
| STARK SHALE | 4711 | -1764 | 4708 | -1761 | 4688 | -1755 | - | 9 | - | 6 | | | | | | | | | | | | |
| MARMATON | 4934 | -1987 | 4931 | -1984 | 4927 | -1994 | + | 7 | + | 10 | 4891 | -1985 | - | 2 | + | 1 | 4952 | -1981 | - | 6 | - | 3 |
| CHEROKEE SHALE | 5126 | -2179 | 5131 | -2184 | 5115 | -2182 | + | 3 | - | 2 | 5092 | -2186 | + | 7 | + | 2 | 5158 | -2187 | + | 8 | + | 3 |
| ATOKA | 5450 | -2503 | 5448 | -2501 | 5441 | -2508 | + | 5 | + | 7 | | | | | | | | | | | | |
| MORROW | 5585 | -2638 | 5575 | -2628 | 5582 | -2649 | + | 11 | + | 21 | 5521 | -2615 | - | 23 | - | 13 | | | | | | |
| CHESTER | 5814 | -2867 | 5824 | -2877 | 5826 | -2893 | + | 26 | + | 16 | 5844 | -2938 | + | 71 | + | 61 | 5908 | -2937 | + | 70 | + | 60 |
| CHESTER SAND | 6039 | -3092 | 6037 | -3090 | 6040 | -3107 | + | 15 | + | 17 | 6001 | -3095 | + | 3 | + | 5 | 6066 | -3095 | + | 3 | + | 5 |
| ST GENEVIEVE | 6084 | -3137 | 6087 | -3140 | 6079 | -3146 | + | 9 | + | 6 | 6052 | -3146 | + | 9 | + | 6 | 6121 | -3150 | + | 13 | + | 10 |
| ST LOUIS | 6196 | -3249 | 6200 | -3253 | 6193 | -3260 | + | 11 | + | 7 | 6196 | -3290 | + | 41 | + | 37 | 6264 | -3293 | + | 44 | + | 40 |
| RTD | 6402 | -3455 | 6400 | -3453 | 6314 | -3381 | - | 74 | - | 72 | 6540 | -3634 | + | 179 | + | 181 | 6450 | -3479 | + | 24 | + | 26 |
| LTD | | | | | 6320 | -3387 | | | | | | | | | | | | | | | | |

DST #1 CHESTER SAND 6020' - 6055'



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

A.W.I.
POB 399
Garden City, KS 67846
ATTN: Jeff Lawler

S 12-32s-35w Stevens, KS

Holt #4-12
Job Ticket: 51736
Test Start: 2013.04.18 @ 11:04:00

DST#: 1

GENERAL INFORMATION:

Formation: **Chester Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:27:30
 Time Test Ended: 20:44:30

Interval: **6020.00 ft (KB) To 6055.00 ft (KB) (TVD)**
 Total Depth: 6055.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62

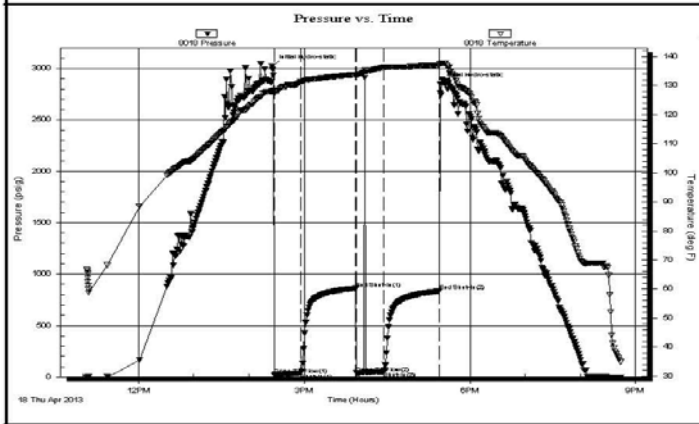
Reference Elevations: 2947.00 ft (KB)
 2934.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8018 Inside

Press@RunDepth: 54.05 psig @ 6027.00 ft (KB)
 Start Date: 2013.04.18 End Date: 2013.04.18
 Start Time: 11:04:02 End Time: 20:44:30

Capacity: 8000.00 psig
 Last Calib.: 2013.04.18
 Time On Btm: 2013.04.18 @ 14:25:10
 Time Off Btm: 2013.04.18 @ 17:27:39

TEST COMMENT: 1/4" Blow .
 No return.
 No blow , flushed tool, surge died.
 No return.



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 3021.54 | 128.10 | Initial Hydro-static |
| 3 | 23.15 | 127.16 | Open To Flow (1) |
| 31 | 37.28 | 131.36 | Shut-In(1) |
| 91 | 862.27 | 133.88 | End Shut-In(1) |
| 92 | 39.06 | 133.59 | Open To Flow (2) |
| 122 | 54.05 | 136.37 | Shut-In(2) |
| 182 | 834.23 | 137.10 | End Shut-In(2) |
| 183 | 2847.62 | 137.62 | Final Hydro-static |

| Recovery | | |
|-------------|-------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 65.00 | M 100m | 0.32 |

| Gas Rates | | | |
|----------------|-----------------|------------------|--|
| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) | |
| | | | |

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |

ROCK TYPES

| | | | | |
|-----------|----------------------|------------|----------------------|----|
| Cht | Lmst fw7> shale, grn | shale, gry | Carbon Sh shale, red | Ss |
| Lmst fw<7 | | Shblk | | |

ACCESSORIES

FOSSIL

- ◊ Oolite
- ⊕ Oomoldic

STRINGER

- ~ Chert
- Limestone
- green shale

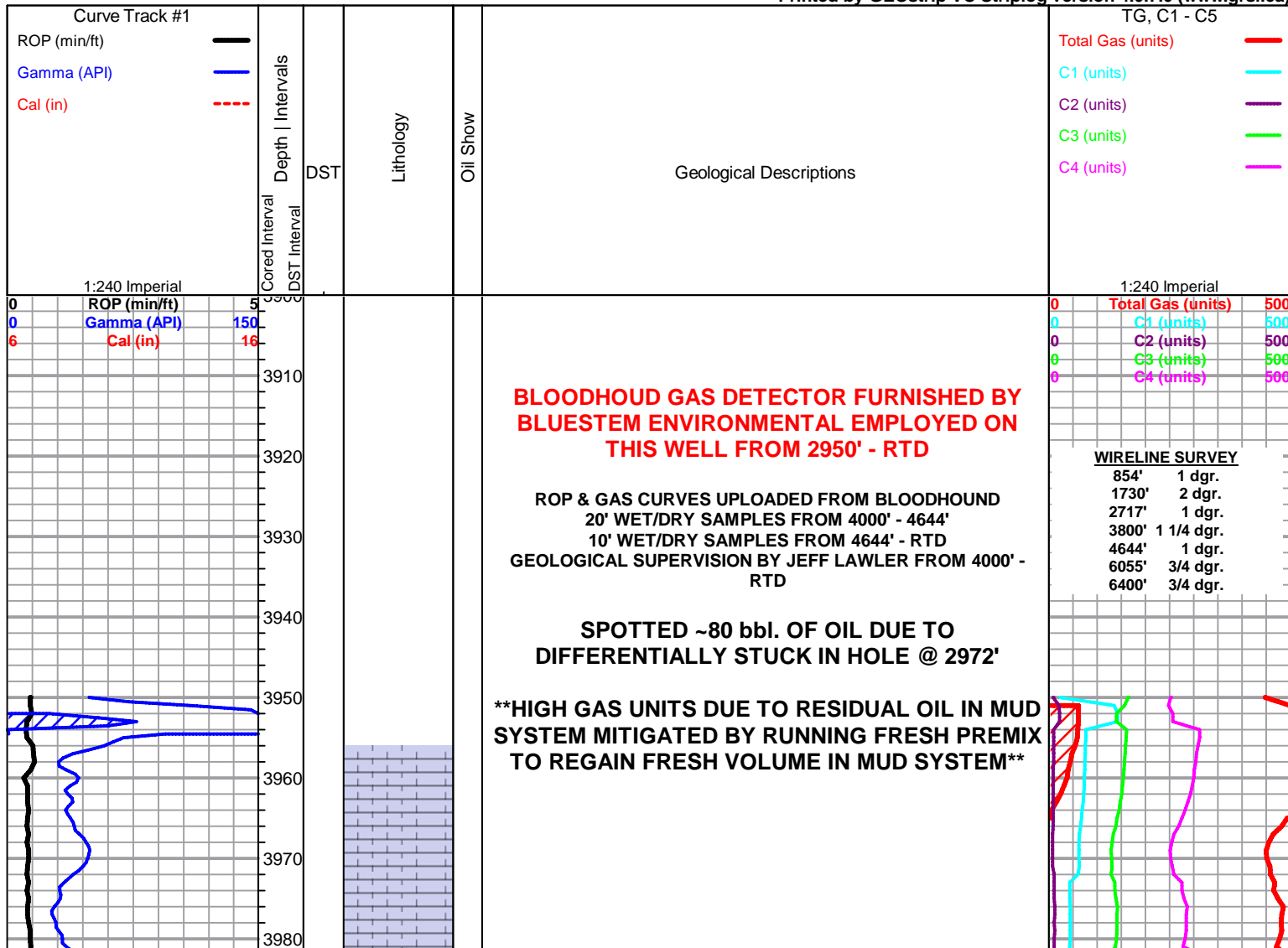
TEXTURE

- C Chalky

OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core

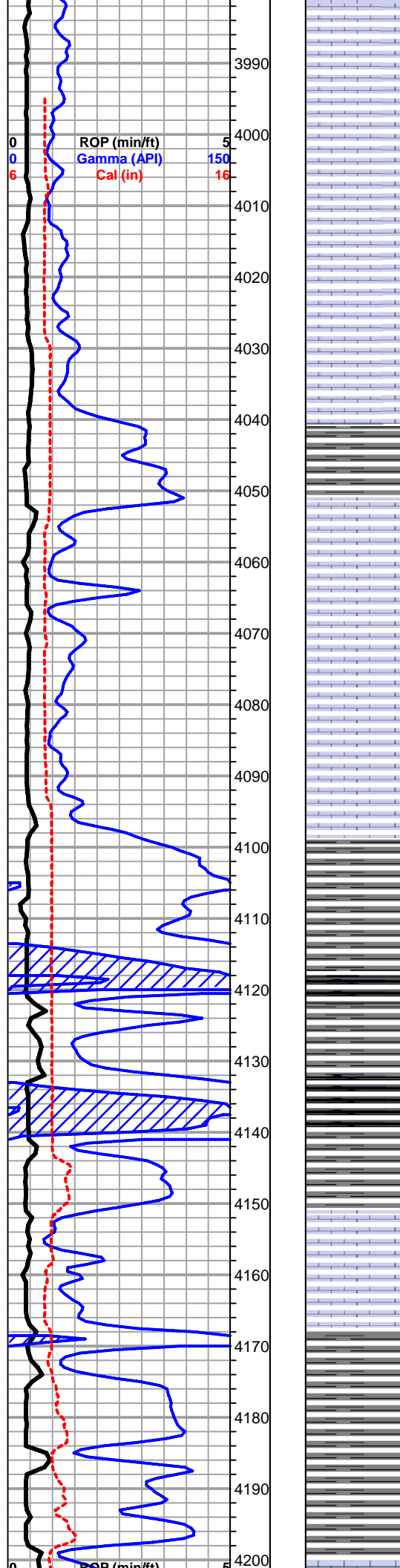


BLOODHOUND GAS DETECTOR FURNISHED BY BLUESTEM ENVIRONMENTAL EMPLOYED ON THIS WELL FROM 2950' - RTD

ROP & GAS CURVES UPLOADED FROM BLOODHOUND
 20' WET/DRY SAMPLES FROM 4000' - 4644'
 10' WET/DRY SAMPLES FROM 4644' - RTD
 GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 4000' - RTD

SPOTTED ~80 bbl. OF OIL DUE TO DIFFERENTIALLY STUCK IN HOLE @ 2972'

****HIGH GAS UNITS DUE TO RESIDUAL OIL IN MUD SYSTEM MITIGATED BY RUNNING FRESH PREMIX TO REGAIN FRESH VOLUME IN MUD SYSTEM****



Lm- Tan Cream, FXLN, dense well cemented mix, mostly all poorly developed w/ sctrd XLN porosity, sl fsl, few chips mod. dev. w/ sctrd fn ppt, much soft white chalk

Lm- Buff Cream, VF-Med XLN, oolitic, mod. dev. w/ sctrd fn ppt interoolite porosity, sctrd sec. recryst. porosity & VFXLN, dense, well cemented, tight w/ min. vis. porosity, clean, much soft white chalk

Lm- Cream Off White, Vf Grn, chalky mud supported matrix, dense, loosely cemented, sl fsl

Sh- Drk Gray, dense, calcareous, sl gritty

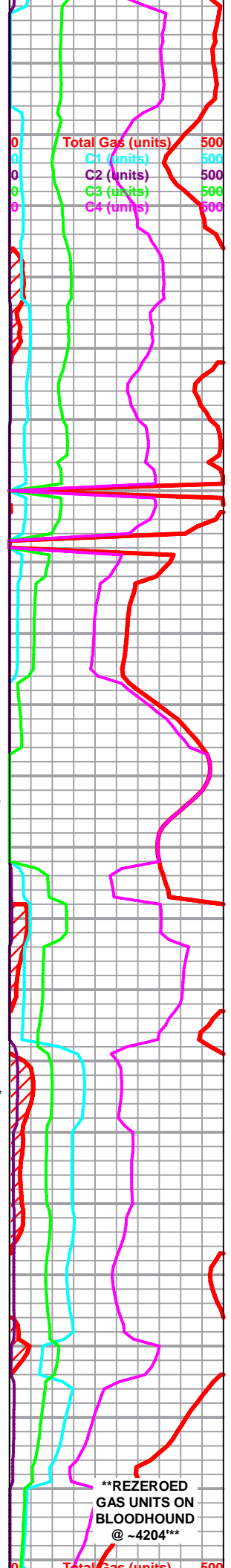
Lm- Buff Tan, Fn Grn & FXLN, fsl mix, poorly developed, loosely cemented, sl chalky in part, mostly sctrd XLN & vry fn ppt porosity

Lm- Buff Off White, Fn Grn, mud supported, gritty, loosely cemented, few chips of fsl sl cherty Ls, brittle

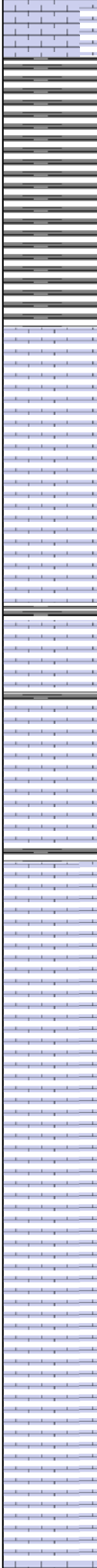
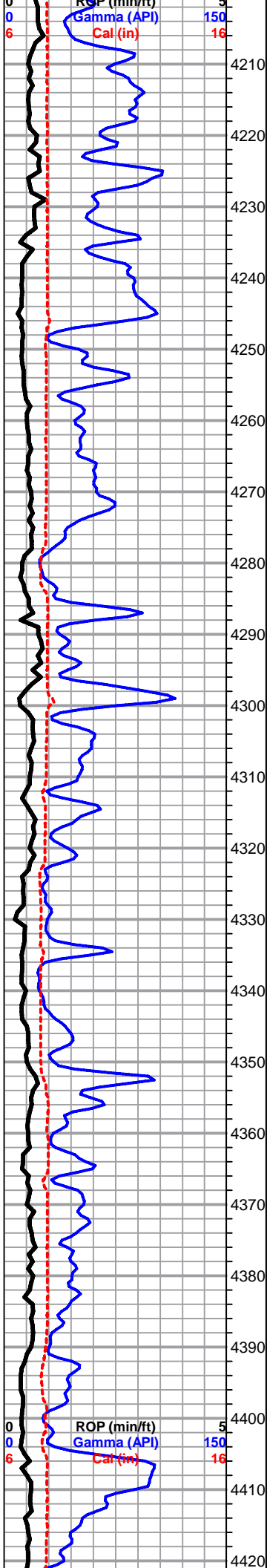
Lm- Buff Lt Gray, A/A w/ ~5-10% soft white chalk & few chips of dense & blk red shale

HEEBNER 4133' (-1186) E-LOG 4132' (-1185) Sh- Blk, fissile, well compacted, abundant

TORONTO 4152' (-1205) E-LOG 4151' (-1204)



****REZEROED GAS UNITS ON BLOODHOUND @ ~4204****



Lm- Lt Gray, FXLN, dense, well cemented, fsl fragments, high-energy mix, sl trashy, vry sctrd micro XLN porosity

Sh- Lt & Drk Gray Lm Green, soft, sl sandy, calcareous, few chips of chalky cementation, & few chips of soft Lm Grn shale

LKC 4256' (-1309) E-LOG 4247' (-1300)

Sh- Drk Gray, abundant, vry well compacted

Lm- Cream Tan, FXLN, dense, loosely cemented, sl fsl w/ interbedded fusulinids, sctrd micro XLN & XLN porosity, clean

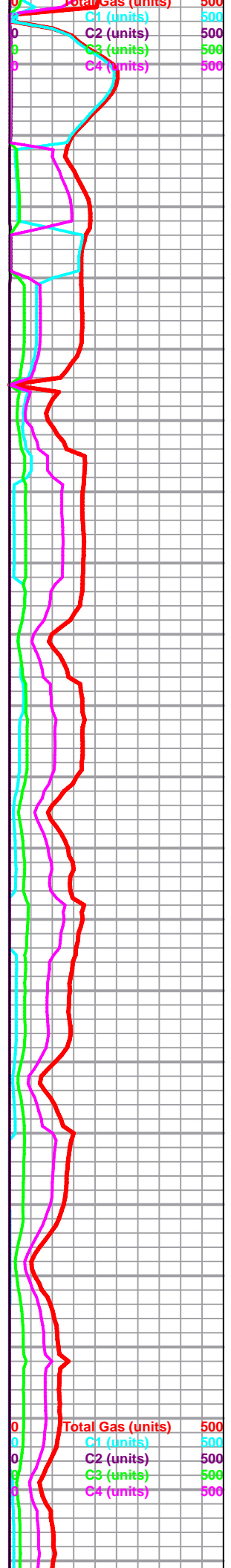
Sh- Drk Gray, mix of soft & sl calcareous and dense & gritty

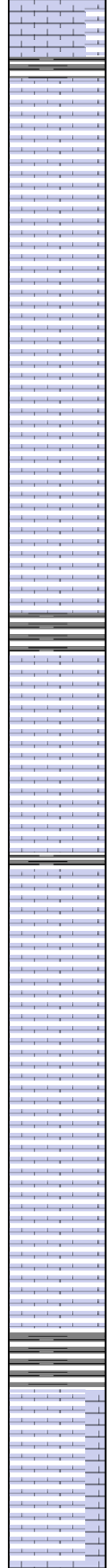
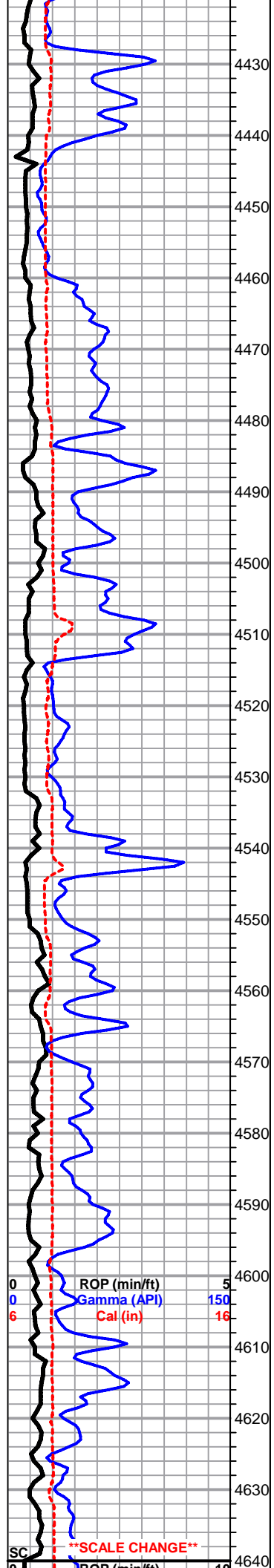
Sh- Lt Gray Lm Green Maroon, soft, sandy, sl chalky in part, dense & blocky

Lm- Cream Off White, FXLN mix, some loosely cemented w/ chalky cementation, some mod. dev. oolitic, poorly developed w/ interbedded secondary recrystallization, sctrd vry fn ppt porosity, all very clean & barren

Lm- Cream Off White, Vf Grn & FXLN, mix of sl chalky, loosely cemented, sl fsl, lt sctrd mottling & FXLN, dense, well cemented, some sub-sucrosic sl dolomitic Ls, mostly consistant vry fn ppt porosity, few chips of sl cherty Ls, all barren

Lm- Buff Cream, FXLN, dense, poorly developed, mostly tight w/ sctrd micro XLN & XLN porosity, few w/ rare secondary micro XLN porosity





Lm- Tan Cream, FXLN, several chips of oolitic biomicrite, loosely cemented & crumbley, sctrd vry fn ppt porosity, most sl chalky cementation, poorly developed, loosely cemented & crumbley, some w/ dense fenestral porosity, all barren w/ sl sctrd mottling

Lm- Tan Cream, Fn Grn & VFXLN, dense mix of chalky, mud supported matrix w/ sctrd mottling & dense well cemented sl cherty ls w/ minimal vis. porosity

Lm- Cream Tan, FXLN, loosely cemented & crumbley, poorly dev. w/ sctrd vry fn ppt porosity, chalky in part, SL GSY SHEEN, NO STN, NO SFO, VRY FNT ODR

Lm. Tan, F-Med Grn, dense, vry chalky, poorly developed, rare vry fn ppt porosity, LT SCTRD STN, NO SFO, SL GSY SHEEN, VRY FNT ODR

Lm- Tan Off White, A/A, hvy mottling, vry crumbley w/ minimal cementation, LT STN, NO SFO, FR GSY SHEEN, VRY FNT ODR

Lm- Buff Cream, FXLN, dense, loosely cemented, poorly dev. w/ micro XLN & XLN porosity, barren & tight

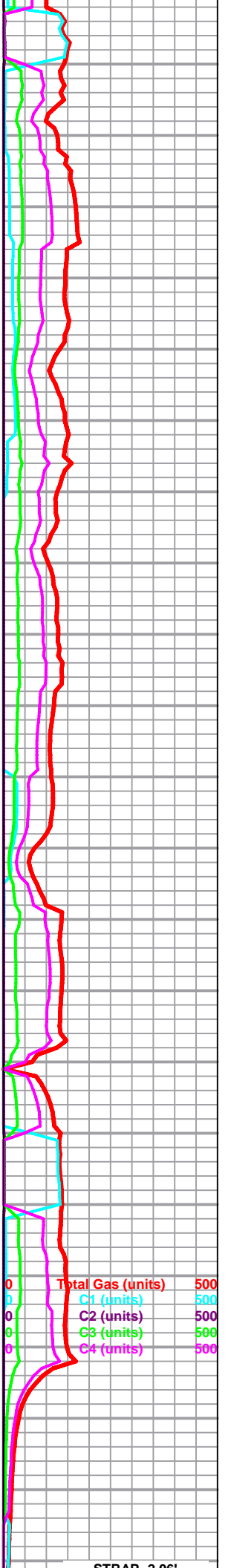
Lm- Drk Gray Cream, mix of VFXLN, dense, well fsl high-energy & oolitic/sl oomoldic, partial skeletal dissolution, poor intervugular connectivity, well cemented, barren

Lm- Cream Tan, poorly dev. mix of VFXLN & Fn Grn, tight w/ sctrd dense fenestral porosity, barren & loosely cemented, chalky w/ no vis. porosity, few chips of golden brown fresh bedded chert

Lm- Cream Buff, FXLN, loosely cemented & sl crumbley, sctrd XLN porosity, clean & barren

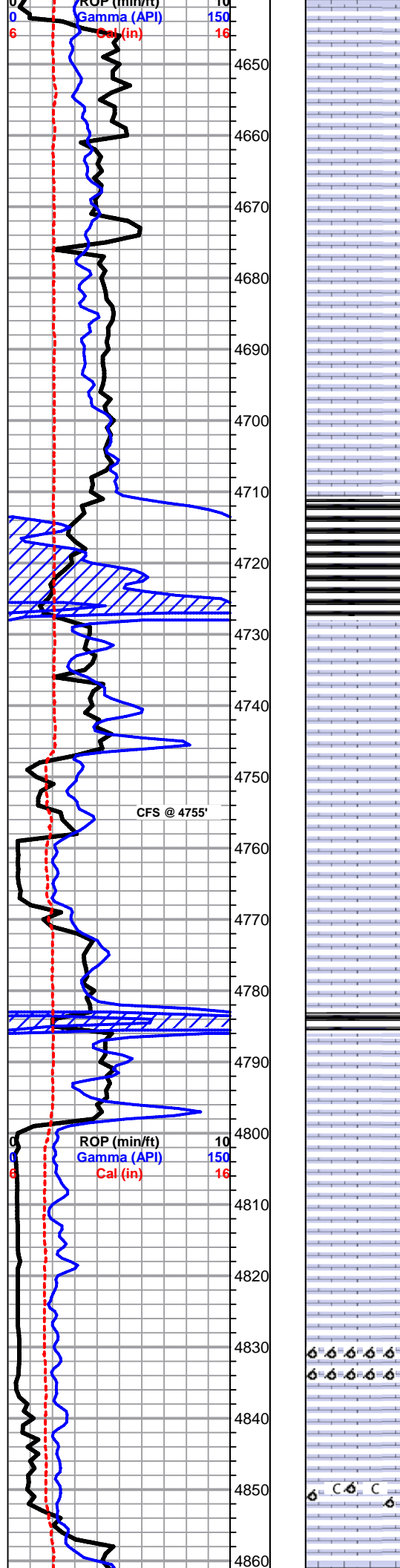
Lm- Cream Off White, FXLN, sl unconsolidated & loosely cemented, few w/ sctrd secondary interbedded recrystallization, sctrd to dense XLN porosity, barren

Sh- Drk & Lt Gray, dense & blocky, sl silty & calcareous, semi-lithified



BIT TRIP @ 4644'

STRAP -2.06
WIRELINE SURVEY
1 dgr.
1000# PUMP PRESS.



Lm- Brown Tan, Crypto XLN, dense, brittle, tight w/o vis matrix or porosity

Lm- Tan, Vf Grn, dense loosely cemented wackestone w/o vis. grains or porosity, calcareous

STARK SHALE 4708' (-1761) E-LOG 4711' (-1764) Sh- Black Drk Gray, fissile, carbonaceous, soft & silty

Lm- Cream Tan, FXLN & Vf Grn, mix of chalky mud supported matrix, loosely cemented & crumbley and FXLN w/ dense XLN & sctrd fenestral porosity, all w/ LT STN, LT GSY SHEEN, NO SFO, FNT ODR

Lm- Buff Cream, FXLN, dense, well cemented sub-sucrosic dolomitic ls, mostly consistant vry fn ppt porosity, LT STN & GSY SHEEN, NO SFO, NO ODR, VRY WK LT YLW FLOR, NO CUT

CFS @ 4755'

Lm- Tan, FXLN, poorly developed oomoldic, vugular, partial skeletal dissolution w/ no intervugular connectivity, barren

Lm- Brown, Crypto-VFXLN, brittle cherty ls, no vis matrix/porosity, tight

Sh- Black, vry fissile, carbonaceous, few argillaceous brown clumps

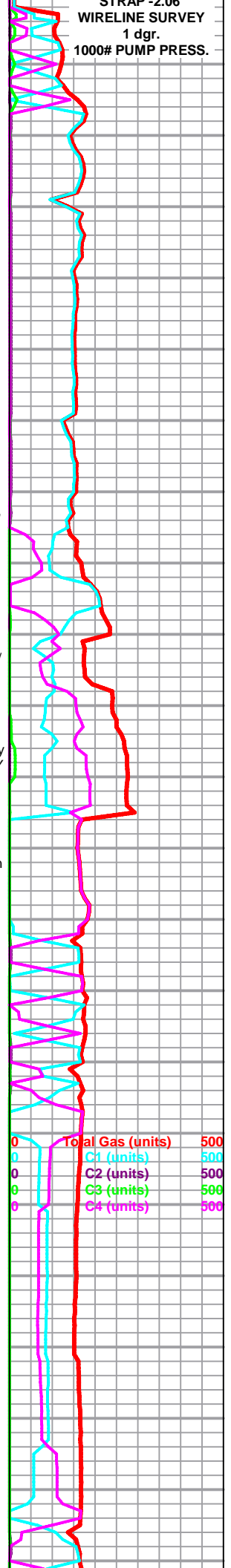
Lm- Buff, VFXLN, tight, well cemented, sctrd micro XLN & some sctrd dense XLN porosity

Lm- Cream Off White, Vf Grn, dense loosely cemented, mud supported matrix, chalky, few sl unconsolidated

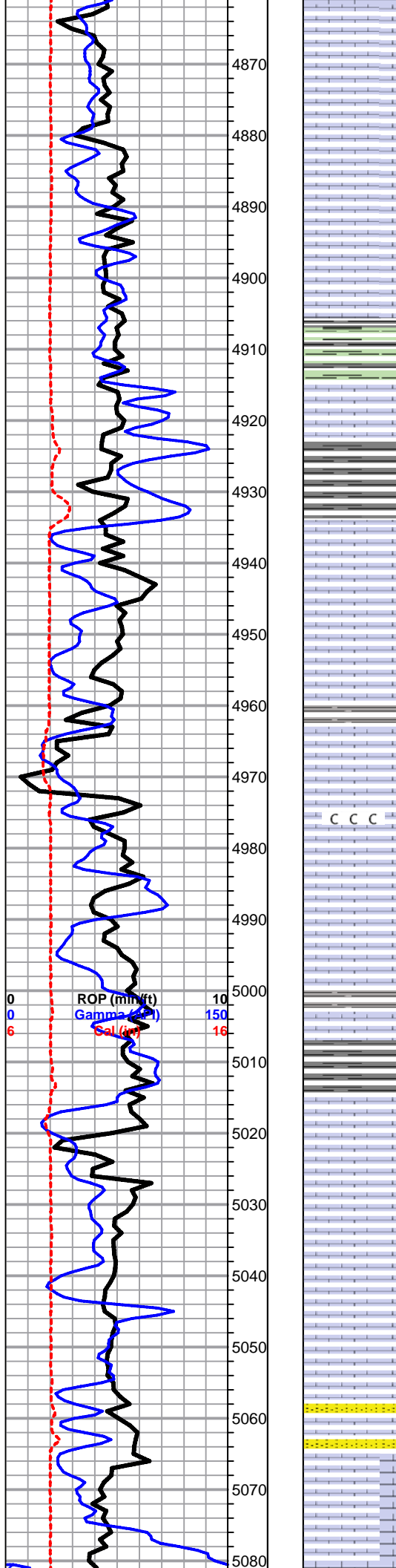
Lm- A/A w/ few chips of fsl lt brwn fresh bedded chert & VFXLN cherty ls, no vis. porosity

Lm- Cream, FXLN, densely oomoldic, parital/mostly dissoveld skeleton, mod. dev. w/ sctrd intervugular connectivity, completely barren

Lm- Semi-Translucent, A/A & sl unconsolidated, few chips sl pebbly, interbedded white chalk lense



Total Gas (units) 500
C1 (units) 500
C2 (units) 500
C3 (units) 500
C4 (units) 500



Lm- Buff Tan, Vf Grn & VFXLN, tight mix of mudstone & semi-brittle VFXLN w/ min. vis. porosity

Lm- Tan FXLN, fsl biomicrite, tight & poorly developed, sctrd to dense XLN porosity, barren

Sh- Dull Green Gray Maroon, waxy, vry crumbley, gritty & silty, gritty & earthy

MARMATON 4931' (-1984) E-LOG 4934' (-1987) Lm- Tan Cream, FXLN, oolitic/oomoldic, densely packed small-medium oolites, partially diss. skeletal, no intervugular connectivity, barren

Lm- Buff Cream, FXLN & Vf Grn, dense, well cemented mix, mostly tight w/ vry sctrd micro XLN porosity, no vis. porosity in mud supported matrix, sl chalky in part

Lm- Cream, FXLN, fsl & sl oolitic, well cemented, sctrd XLN porosity, barren, sl chalky

Sh- Black Drk Gray Maroon, sl silty & gritty, dense & blocky, interbedd fsl lense, sl trashy w/ XLN porosity

Lm- Tan, FXLN, fsl biomicrite, sl unconsolidated w/ glauconite, pyrite, & oolite inclusions, dense XLN porosity, barren

C C C

Lm- soft white chalk

Lm/Chert- Semi-Translucent Smokey Gray, fsl mix of brittle cherty ls w/ minimal vis. porosity & sctrd dense fenestral secondary recrystallized veins, chert w/o vis. porosity

Sh- Black Drk Gray, soft silty, carbonaceous

Lm- Off White, Vf Grn, mud supported matrix w/ interbedd fn grn, chalky, VRY WK GSY SHN, NO STN, NO ODR, NO SFO, vry loosely cemented & crumbley & shaley

Lm- Buff Cream, Vf Grn, mud supported matrix & chalky, sl unconsolidated, hvy mottling, sl fsl, loosely cemented

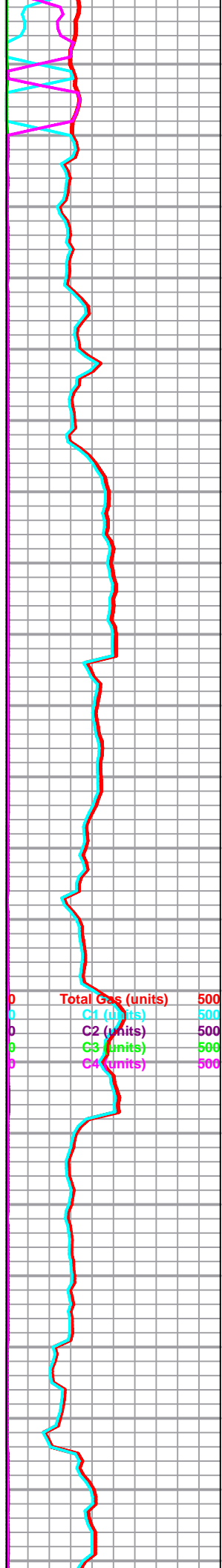
Lm- Lt Gray Buff, Vf Grn, mud supported matrix, gritty mudstone w/ micro pyrite inclusions

Lm- Buff Tan, Crypto XLN, dense well cemented semi-brittle cherty ls w/o vis. porosity

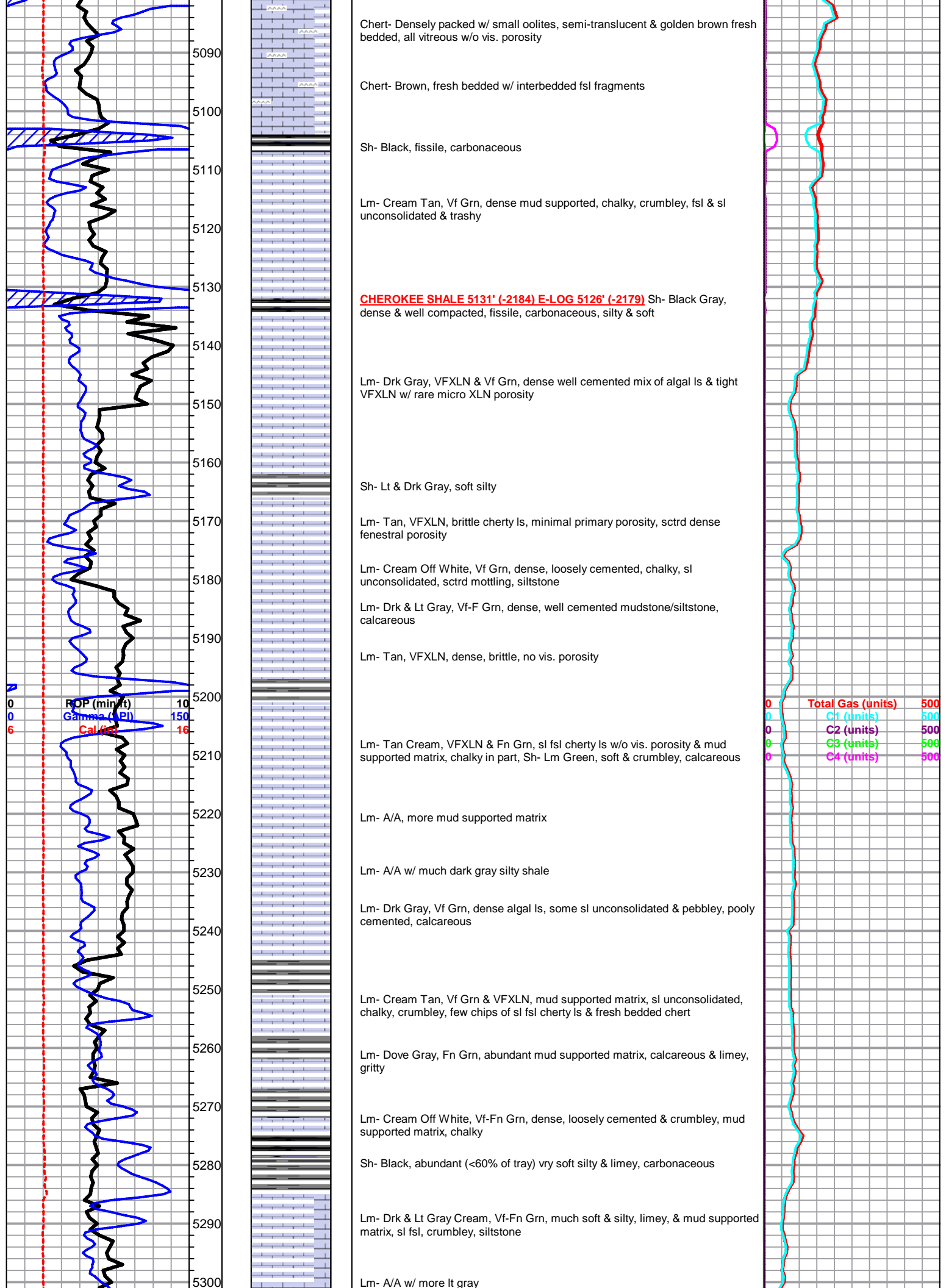
Lm- Drk Gray, Fn Grn, mud supported matrix, sl sandy ls, calcareous, dense & loosely cemented

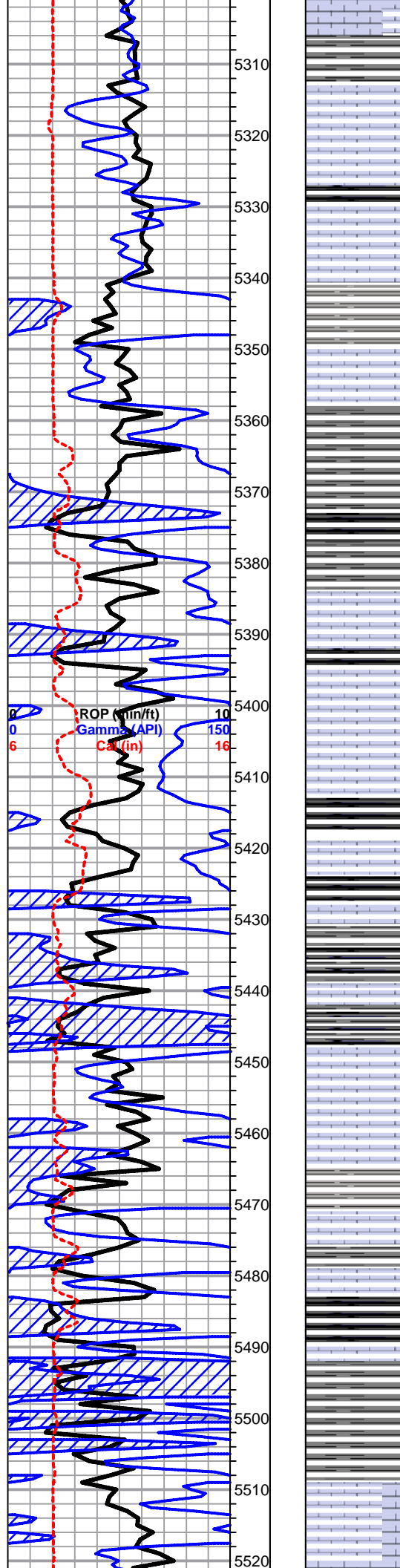
Lm- Cream, Vf Grn, mud supported matrix, unconsolidated & trashy, sl fsl, vry crumbley, LT GSY SHN, NO STN, NO SHW, NO ODR, NO FLOR.

Lm/Chert- Tan Smokey Gray, mix of fsl biomicrite, sl trashy w/ sctrd XLN porosity & fsl fresh bedded chert



Total Gas (units) 500
 C1 (units) 500
 C2 (units) 500
 C3 (units) 500
 C4 (units) 500





5310 Sh- Dove Gray Maroon, abundant (<60% - 70% of tray), vry soft & silty, limey, few chips of dense & blocky maroon shale w/ lm grn mottling

5320 Lm- Cream Tan, VFXLN & Vf Grn, dense mud supported matrix, chalky, crumbly, mixed w/ dense brittle sl cherty ls w/ min. vis. porosity

5330 Sh- Black Drk Gray, fissile, vry well compact (nearly lithofied), carbonaceous silty

5340 Sh- Black Drk Gray, A/A w/ silty sl sandy lime & gritty and earthy maroon chips

5350 Lm- Brown, VFXLN, dense, brittle, sl cherty ls, dense XLN porosity, trashy

5360 Sh- Drk & Lt Gray, mix of dense & well compacted, fissile, and soft silty & calcareous

5370 Sh- Black Drk & Lt Gray, A/A w/ black silty shale, carbonaceous

5380 Lm- Buff, VFXLN, dense, brittle, min. vis. porosity, tight

5390 Sh- Black, abundant fissile, well compacted & slaty, carbonaceous

5400 Lm- Tan, VFXLN, dense & well cemented, sl fsl, min. vis. porosity

5410 Sh- Black Drk Gray, abundant (<80%) fissile slaty carbonaceous, soft & silty, some sl argillaceous clumps

5420 Lm- Lt Brown, VFXLN, dense, sl fsl, micro pyrite inclusions, no vis. porosity
Sh- Black, A/A

5430 Lm- Tan, VFXLN, dense, sl fsl w/ few scrd fsl fragement, no vis. porosity

5440 **ATOKA 5448' (-2501) E-LOG 5450' (-2503)** Lm- Cream, Vf Grn, dense, mud supported matrix, vry poorly cemented

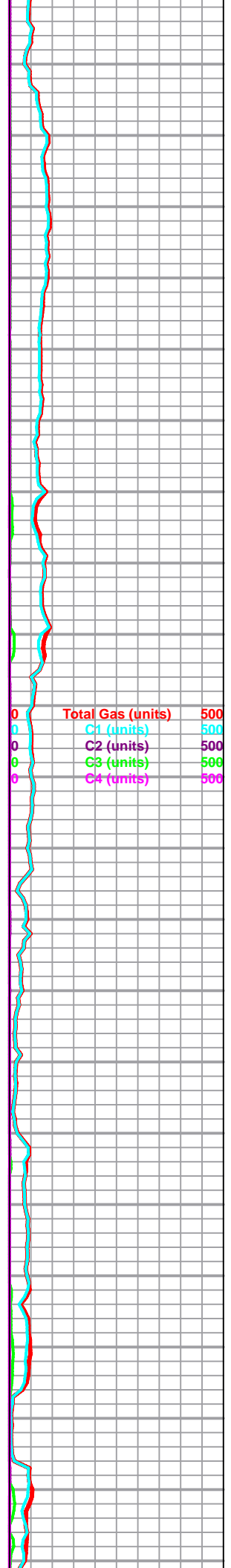
5450 Lm- Tan, VFXLN, dense, well cemented, sl fsl, tight w/ min. vis. porosity

5460 Sh- Black, mix of dense & block, slick, and sl silty, sl fsl & crumbly

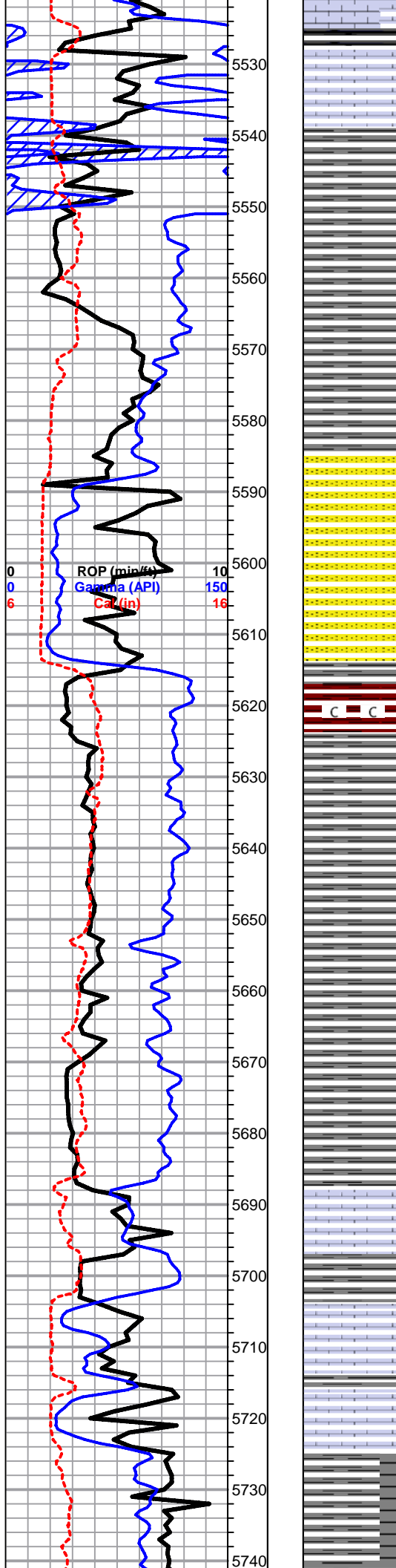
5470 Lm- Drk Gray Black, Crypto XLN, brittle, vry well cemented cherty ls, no vis. porosity

5480 Lm- Cream Tan, VF-FXLN, sl fsl, poorly developed, mostly tight w/ minimal vis. porosity, few w/ dense XLN porosity

5490 Lm- Lt Gray & Black, Vf Grn, chalky mud supported matrix, silty, hvy mottled, unconsolidated



0 Total Gas (units) 500
0 C1 (units) 500
0 C2 (units) 500
0 C3 (units) 500
0 C4 (units) 500



unconsolidated

Lm- Cream Off White, FXLN & Fn Grn, well cemented sl cherty ls w/ micro XLN porosity, & dense mud supported matrix w/o vis. porosity, barren

Sh- Dove Gray Lm Green Maroon, vry silty & soft, micro pyrite clumps

MORROW 5575' (-2628) E-LOG 5585' (-2638) Sh- Lt & Drk Gray, soft & silty, calcareous Ss- Lt Frosted, Med Grn, mod. sort & mod unconsolidated & shaley, lt spkld w/ glauconite, sub-rnd grns, vry friable, 2-3 clusters w/ LT GSY SHN, NO SFO, NO FLOR. NO CUT

Sh- Gray, soft & silty, calcareous

Sh- Gray A/A w/ soft white chalk, gritty & earthy maroon chips, & dense & blocky maroon chips

Sh- Gray wash

Sh- Abundant Lt Gray, vry soft & silty, calcareous

Sh- Drk Gray, mix of soft & silty, some gray wash, & much dense & blocky

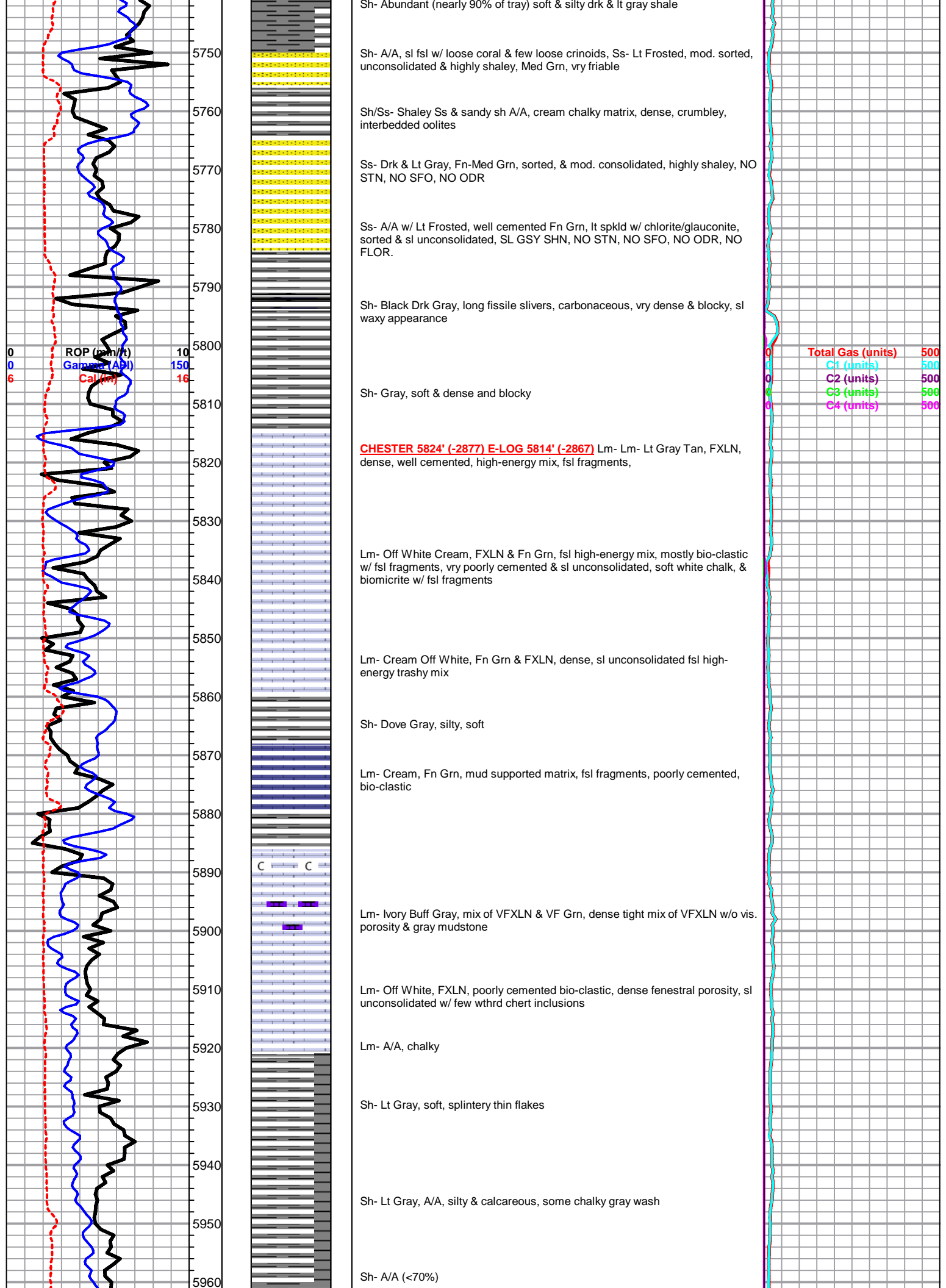
Lm- Drk Gray Off White, Vf Grn, fsl fragments, high-energy trashy mix, unconsolidated, vry poorly cemented

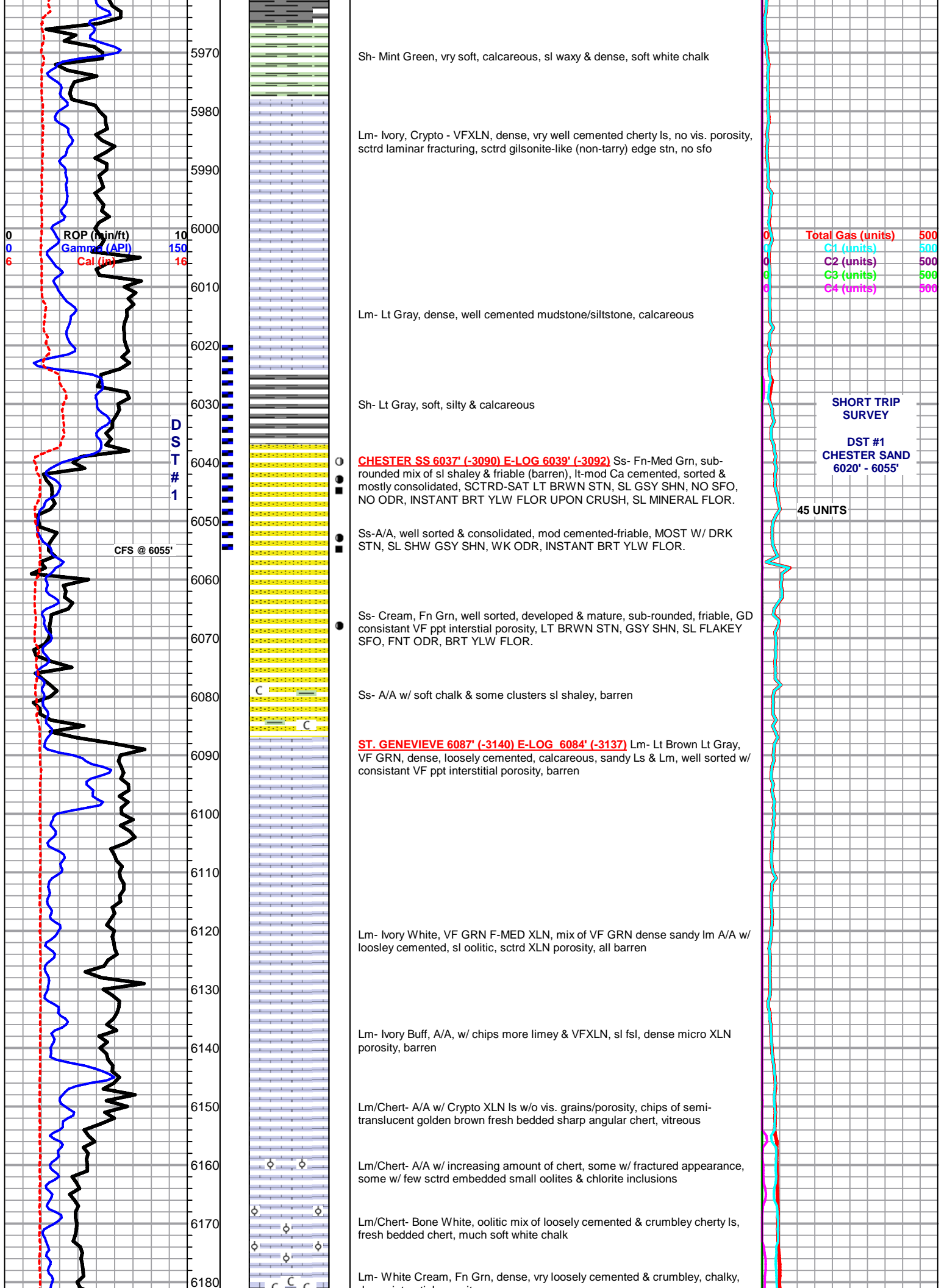
Lm- Tan, VFXLN, sl fsl, tight w/ XLN porosity

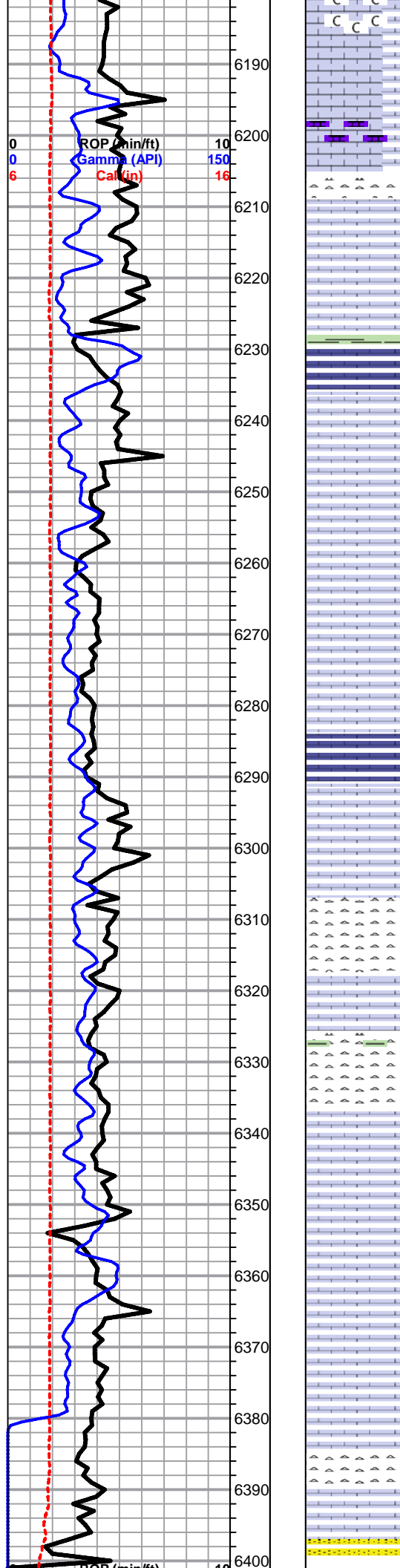
Lm- Cream Off White, Vf Grn, dense, mud supported matrix, soft white chalk, sl fsl w/ fragments, high-energy, sl unconsolidated

Lm- Drk Gray, FXLN, vry poorly cemented, fsl w/ fragments, high-energy bioclastic, trashy, speckled w/ chlorite, few chips of Lm Green & Maroon shale

Total Gas (units) 500
C1 (units) 500
C2 (units) 500
C3 (units) 500
C4 (units) 500







dense interstitial porosity

○ Lm- A/A w/ fn grn sub-rnd, poorly cemented, consistant interstitial vry fn ppt porosity, VRY LT SCTRD STN, NO SFO, NO ODR, WK LT YELW FLOR, WET CUT UPON CRUSH

■

ST. LOUIS 6200' (-3253) E-LOG 6196' (-3249) Lm- A/A, more chalky matrix ls, Ss- Clear-Sl Frosted, F-Med Grn, friable-mod cemented, well sorted, mod consolidated, LT GSY SHN, NO STN, NO SFO, NO ODR, LT YLW FLOR, WET CUT UPON CRUSH, Chert-Ivory Translucent, fresh bedded, DRK GILSONITE EDGE STN, NO SFO, NO ODR

○

■

Lm- Cream, Med XLN, sl chalky matrix, vry poorly cemented & crumbley, sl oolitic, dense fenestral porosity, barren

Lm- Off White, Vf Grn, dense, minimal cementation, sl unconsolidated & pebbly, few sctrd chlorite inclusions, Sh- Pea Green, dense, sl waxy slivers, platy

Lm- Cream, Vf-Med XLN, oolitic, well-poorly cemented, vry dense micro XLN - no vis. porosity, mostly tight w/ minimal effective porosity, few chips of oolitic biomicrite

Lm- A/A, many chips w/ soft chalky matrix & poorly cemented

Lm/Chert-Buff Translucent Egg Shell White, mix of oolitic FXLN w/ minimal vis. porosity & fresh bedded chert, vitreous

Lm- Off White, Vf Grn, dense, vry poorly cemented mud supported matrix w/ no vis. inter grnlr porosity, much soft white chalk

Lm- Cream Off White, VFXLN, brittle cherty ls, dense XLN porosity, barren

Sh- Mint Green Maroon, thin waxy & platy slivers, gritty & earthy

Chert- Tan, Crypto XLN, no vis. grains/porosity, fresh bedded

○ Lm- Buff Cream, FXLN, gritty sl sandy cherty ls, poorly cemented, poorly developed w/ sctrd vry fn ppt porosity, 1-2 chips w/ WK GSY SHN, NO STN, NO SFO, NO ODR, VRY WK HALO FLASH FLOR UPON CRUSH, NO WET CUT

■

Chert- Tan Egg Shell White, vitreous fresh bedded Sh- Mint Green, waxy thin slivers

Lm- Cream Off White, Vf Grn, dense chalky matrix, no vis. interstitial porosity, poorly cemented, sl unconsolidated

Lm- Cream Tan, FXLN, poorly developed & cemented, sl chalky in part, sl fsl, dense fenestral porosity, barren

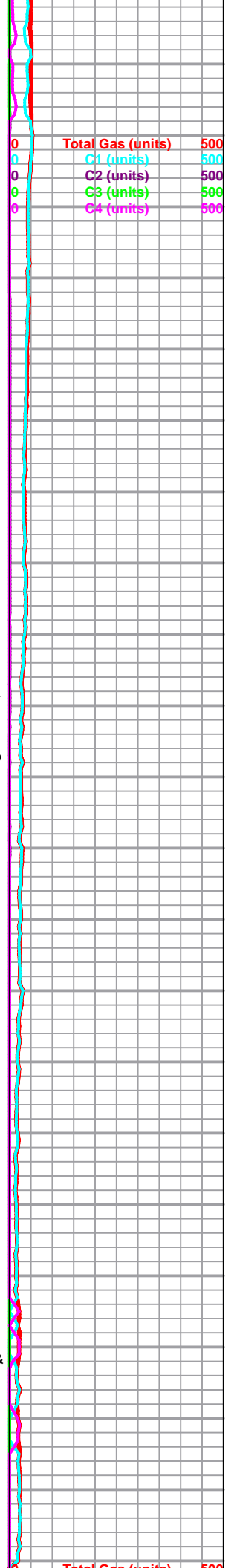
Lm- A/A w/ few lt green chips of sandy lime

Lm- Tan, VF-FXLN, dense, poorly cemented & sl crumbley, dense micro XLN & XLN porosity, barren

Lm- Tan Brown, VFXLN, dense, vry well cemented, no vis. porosity

Chert- Semi-Translucent Egg Shell White Tan, fresh bedded, few chips sl fsl

Ss- Tan, Fn Grn, well cemented, mod. developed, mostly consistant vry fn interstitial porosity, barren



| | | |
|---|--------------|------|
| 0 | ROP (min/hr) | 10 |
| 0 | Gamma (API) | 150 |
| 6 | Cal (in) | 16 |
| | | 6410 |
| | | 6420 |

RTD 6400' (-3453) LTD 6402' (-3455) @ 04:57 4/20/2013

| | | |
|---|-------------------|-----|
| 0 | Total Gas (units) | 500 |
| 0 | C1 (units) | 500 |
| 0 | C2 (units) | 500 |
| 0 | C3 (units) | 500 |
| 0 | C4 (units) | 500 |

ALLIED OIL & GAS SERVICES, LLC K.S 052698

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberal

| | | | | | | | |
|----------------------------------|----------------|-------------------|------------------|----------------------------------|-------------|---------------------------|----------------------------|
| DATE <u>4/10/13</u> | SEC. <u>12</u> | TWP. <u>32S</u> | RANGE <u>35W</u> | CALLED OUT | ON LOCATION | JOB START <u>11:00</u> | JOB FINISH <u>12:00</u> |
| LEASE <u>Holt</u> | | WELL# <u>4-12</u> | | LOCATION <u>North of Liberal</u> | | COUNTY <u>Stevens</u> | STATE <u>Kansas</u> |
| OLD OR <u>(NEW)</u> (Circle one) | | | | | | | |

CONTRACTOR Duke Drilling #9
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 7/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1,500 MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 44
 PERFS.
 DISPLACEMENT 105

OWNER
 CEMENT Lead
 AMOUNT ORDERED Class A, 370 CC, 270 NAMS,
270 Gyp Seal, 25% K 70 seal, Tail 150 SKS Class C,
270 CC
 COMMON 425 @ 17.97 \$7,607.50
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 Class C 150 @ 24.47 \$3,660.00
 NAMS 799 @ 3.37 \$2,636.79
 Gyp Seal 8 @ 37.67 \$300.89
 CC 19 @ 64.09 \$1,216.00
 70 Seal 106 @ 2.97 \$314.82
 HANDLING 629 @ 2.48 \$1,559.92
 MILEAGE Drayage 527 @ 2.49 \$1,310.27
 TOTAL \$18,665.94

EQUIPMENT
 PUMP TRUCK CEMENTER Tim C
 # 530-484 HELPER Lenny B
 BULK TRUCK
 # 470-528 DRIVER Angel G
 BULK TRUCK
 # 472-467 DRIVER Jaime T

REMARKS:

Thank You
Additional hrs 2 only charge for 1/2

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE 2,213.75
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD 1 @ 275.07 \$275.07
 Light Vehicle 20 @ 4.40 \$88.00
 Heavy Vehicle 20 @ 7.70 \$154.00
 Additional hrs 1 @ 440.00 \$440.00
 TOTAL \$3,170.75

CHARGE TO: American Warrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Guide Shoe 1 @ 460.94 \$460.94
 7 1/4 Float Valve 1 @ 446.94 \$446.94
 Centralizer 3 @ 74.87 \$224.61
 Cement Basket 1 @ 559.27 \$559.27
 Top Plug 1 @ 131.04 \$131.04
 TOTAL \$1,822.80

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES ~~\$ 23,660.00~~ 23,660.00
 DISCOUNT 20% IF PAID IN 30 DAYS
 NET = \$18,928.00

PRINTED NAME Emigdio Rojas
 SIGNATURE Emigdio Rojas



CHARGE TO: *American Warrior*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET
Nº 24264

PAGE 1 OF 2

| | | | | | | | |
|--|---|-------------------------------------|--|--------------------------|------------------------------------|--------------------------|-------|
| 1. SERVICE LOCATIONS <i>Ness City, KS</i> | WELL/PROJECT NO. <i>4-12</i> | LEASE <i>Holt</i> | COUNTY/PARISH <i>Stevens</i> | STATE <i>KS</i> | CITY <i>Satanta</i> | DATE <i>21 APR 13</i> | OWNER |
| 2. | TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES | CONTRACTOR <i>DUKE</i> | RIG NAME/NO. <i>9</i> | SHIPPED VIA <i>CT</i> | DELIVERED TO <i>location</i> | ORDER NO. | |
| 3. | WELL TYPE <i>oil</i> | WELL CATEGORY <i>Development</i> | JOB PURPOSE <i>cement long string</i> | WELL PERMIT NO. | WELL LOCATION <i>12-325-35W</i> | | |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | | |

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | | U/M | | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|--------------------------------|-------|--|-----|------|------------|---------|
| | | LOC | ACCT | DF | | | | | | | |
| 575 | | 1 | | | MILEAGE TRK 114 | 120 | | mi | | 6.00 | 720.00 |
| 578 | | 1 | | | Pump Charge | 1 | | ea | | 1500.00 | 1500.00 |
| 402 | | 1 | | | Centralizer | 5 1/2 | | in | 1 ea | 70.00 | 560.00 |
| 403 | | 1 | | | Cement Basket | 5 1/2 | | in | 2 ea | 250.00 | 500.00 |
| 406 | | 1 | | | Latch down plug & Baffle | 5 1/2 | | in | 1 ea | 250.00 | 250.00 |
| 407 | | 1 | | | Insert float shoe w/ AUTO FILL | 5 1/2 | | in | 1 ea | 350.00 | 350.00 |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *JOSE REYES*

DATE SIGNED: _____ TIME SIGNED: _____

A.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

| SURVEY | AGREE | UN-DECIDED | DIS-AGREE | PAGE TOTAL | AMOUNT |
|---|-------|------------|-----------|------------------|-----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | | 1 | 3880.00 |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | | 2 | 7047.65 |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | subtotal | 10927.65 |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | Stevens TAX 0.3% | 423.05 |
| ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | TOTAL | 11,350.70 |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND | | | | | |

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: *Adlerbell* APPROVAL: _____

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24264

CUSTOMER American Warrior WELL Holt 4-12 DATE 21 APR 13 PAGE 2 OF 2

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | QTY. | | U/M | | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|------|----------------|-------|-----|---------|-----|------------|---------|
| | | LOC | ACCT | DF | | | QTY. | U/M | QTY. | U/M | | |
| 330 | | 1 | | | | SMD cement | 250 | sk | | | 16.50 | 4125.00 |
| 276 | | 1 | | | | floccle | 75 | lb | | | 2.00 | 150.00 |
| 281 | | 1 | | | | mudflush | 500 | gal | | | 1.25 | 625.00 |
| 221 | | 1 | | | | KCh liquid | 2 | gal | | | 25.00 | 50.00 |
| 290 | | 1 | | | | D-AIR | 3 | gal | | | 35.00 | 105.00 |
| 581 | | 1 | | | | SERVICE CHARGE | | | | | 2.00 | 500.00 |
| 583 | | 1 | | | | MILEAGE CHARGE | | | | | 1.00 | 1492.65 |
| | | | | | | TOTAL WEIGHT | 24978 | | | | | |
| | | | | | | LOADED MILES | 120 | | | | | |
| | | | | | | TON MILES | | | 1492.65 | | | |

CONTINUATION TOTAL 7047.65

JOB LOG

SWIFT Services, Inc.

DATE 21 APR 13 PAGE NO.

CUSTOMER American Warrior WELL NO. 4-12 LEASE Holt JOB TYPE cement lng string TICKET NO. 24264

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-----------------|------------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | 250 sk SMD w/ 1/2" Floccle 5 1/2" x 17" casing 166 joints 6398' TD = 6400' Basket 5, 10 Cmt 1, 3, 5, 7, 9, 11, 13, 15 |
| | 0145 | | | | | | | on loc TRK 114 |
| | 0400 | | | | | | | start 5 1/2" x 17" casing in well |
| | 0740 | | | | | | | Drop ball - circulate |
| | 0820 | 4 3/4 | 12 | | | | 200 | Pump 500 gal mud flush |
| | | 4 3/4 | 20 | | | | 200 | Pump 20 bbl KCh flush |
| | 0827 | | 15 | | | | | Plug RH - MH 305 sks - 205 sks |
| | 0831 | 4 3/4 | 37 | | | | 350 | mix SMD cement 50 sks @ 12.7 ppg |
| | | 4 3/4 | 24 | | | | 350 | mix SMD cement 100 sks @ 13.5 ppg |
| | | 4 3/4 | 13 | | | | 300 | mix SMD cement 50 sks @ 14.3 ppg |
| | | | 74 total slurry | | | | | |
| | 0839 | 4 3/4 | | | | | | Drop latch down plug |
| | | | | | | | | wash out pump & line |
| | 0854 | 6 3/4 | | | | | 300 | Displace plug |
| | | 6 3/4 | 100 | | | | 850 | |
| | | 6 3/4 | 135 | | | | 1100 | |
| | 0915 | 6 3/4 | 149 | | | | 2000 | Land plug |
| | 0917 | | | | | | | Release pressure to truck - dried up |
| | 0925 | | | | | | | wash truck |
| | | | | | | | | Rack up |
| | 0955 | | | | | | | job complete thks Ross Dave & Blaine |



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jeff Lawler

Holt #4-12

S12-32s-35w Stevens,KS

Start Date: 2013.04.18 @ 11:04:00

End Date: 2013.04.18 @ 20:44:30

Job Ticket #: 51736 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.04.24 @ 08:49:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Jeff Lawler

S12-32s-35w Stevens, KS

Holt #4-12

Job Ticket: 51736

DST#: 1

Test Start: 2013.04.18 @ 11:04:00

GENERAL INFORMATION:

Formation: **Chester Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:27:30

Time Test Ended: 20:44:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 6020.00 ft (KB) To 6055.00 ft (KB) (TVD)

Reference Elevations: 2947.00 ft (KB)

Total Depth: 6055.00 ft (KB) (TVD)

2934.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 54.05 psig @ 6027.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.18

End Date:

2013.04.18

Last Calib.:

2013.04.18

Start Time: 11:04:02

End Time:

20:44:30

Time On Btm:

2013.04.18 @ 14:25:10

Time Off Btm:

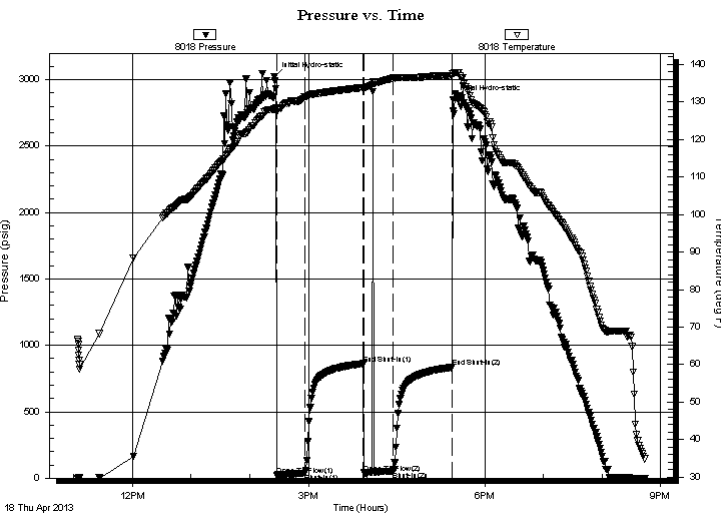
2013.04.18 @ 17:27:39

TEST COMMENT: 1/4" Blow .

No return.

No blow, flushed tool, surge died.

No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 3021.54 | 128.10 | Initial Hydro-static |
| 3 | 23.15 | 127.16 | Open To Flow (1) |
| 31 | 37.28 | 131.36 | Shut-In(1) |
| 91 | 862.27 | 133.88 | End Shut-In(1) |
| 92 | 39.06 | 133.59 | Open To Flow (2) |
| 122 | 54.05 | 136.37 | Shut-In(2) |
| 182 | 834.23 | 137.10 | End Shut-In(2) |
| 183 | 2847.62 | 137.62 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 65.00 | M100m | 0.32 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jeff Lawler

S12-32s-35w Stevens,KS
Holt #4-12
Job Ticket: 51736 **DST#: 1**
Test Start: 2013.04.18 @ 11:04:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 5809.00 ft | Diameter: 3.80 inches | Volume: 81.48 bbl | Tool Weight: | 2300.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: inches | Volume: 0.00 bbl | Weight set on Packer: | 22000.00 lb |
| Drill Collar: | Length: 188.00 ft | Diameter: 2.25 inches | Volume: 0.92 bbl | Weight to Pull Loose: | 105000.0 lb |
| | | | <u>Total Volume: 82.40 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 4.50 ft | | | String Weight: Initial | 92000.00 lb |
| Depth to Top Packer: | 6020.00 ft | | | Final | 92000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 35.00 ft | | | | |
| Tool Length: | 62.50 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|-------------------------|--------------------|-------------------|-----------------|-------------------|-----------------------|
|-------------------------|--------------------|-------------------|-----------------|-------------------|-----------------------|

| | | | | | |
|-----------------|-------|------|---------|---------|------------------------------------|
| Change Over Sub | 1.00 | | | 5993.50 | |
| Shut In Tool | 5.00 | | | 5998.50 | |
| Hydraulic tool | 5.00 | | | 6003.50 | |
| Jars | 5.00 | | | 6008.50 | |
| Safety Joint | 2.50 | | | 6011.00 | |
| Packer | 5.00 | | | 6016.00 | 27.50 Bottom Of Top Packer |
| Packer | 4.00 | | | 6020.00 | |
| Stubb | 1.00 | | | 6021.00 | |
| Perforations | 6.00 | | | 6027.00 | |
| Recorder | 0.00 | 8018 | Inside | 6027.00 | |
| Recorder | 0.00 | 6751 | Outside | 6027.00 | |
| Perforations | 25.00 | | | 6052.00 | |
| Bullnose | 3.00 | | | 6055.00 | 35.00 Bottom Packers & Anchor |

Total Tool Length: 62.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jeff Lawler

S12-32s-35w Stevens,KS
Holt #4-12
Job Ticket: 51736 **DST#: 1**
Test Start: 2013.04.18 @ 11:04:00

Mud and Cushion Information

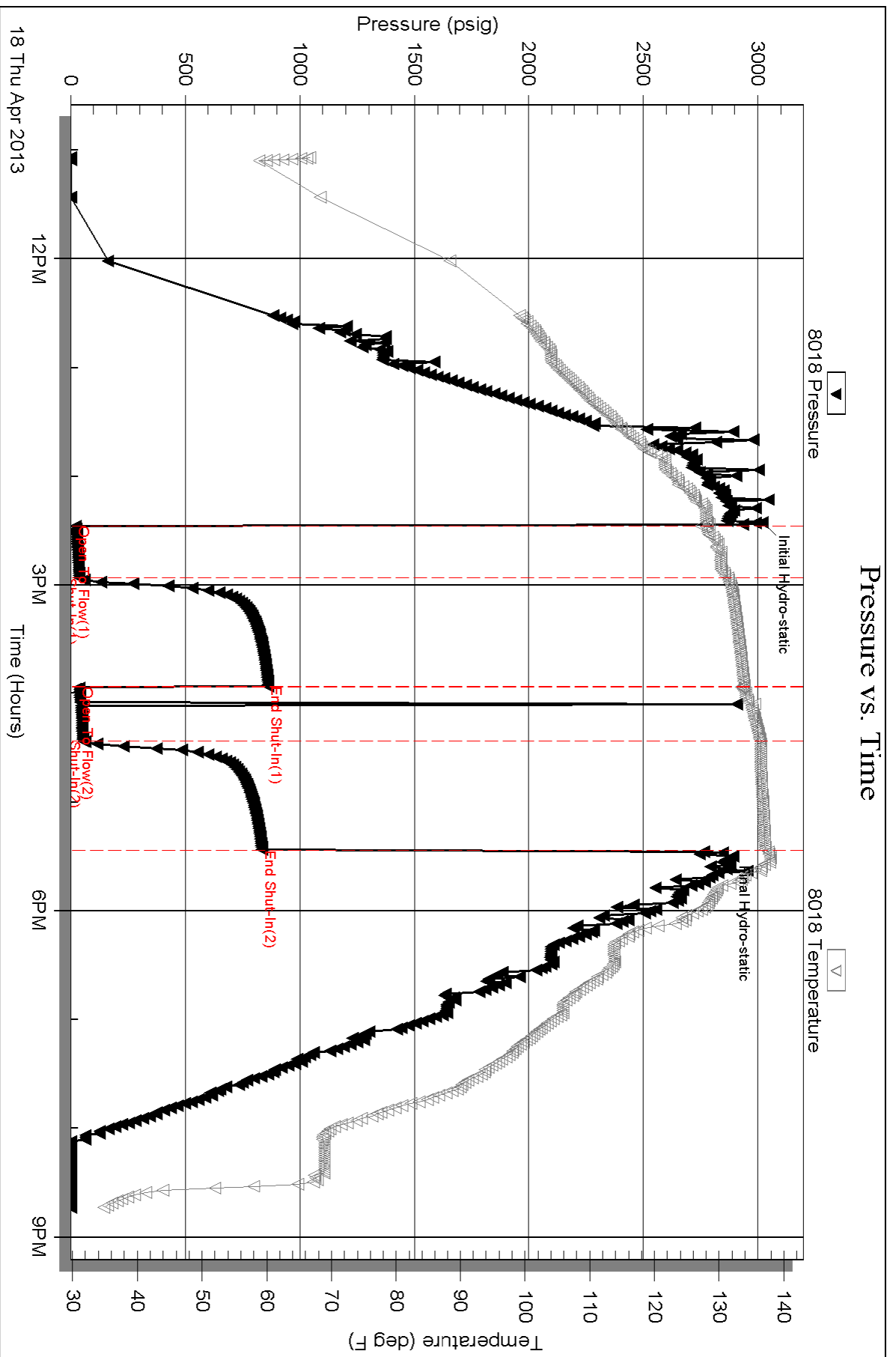
| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 55.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.59 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 65.00 | M 100m | 0.320 |

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

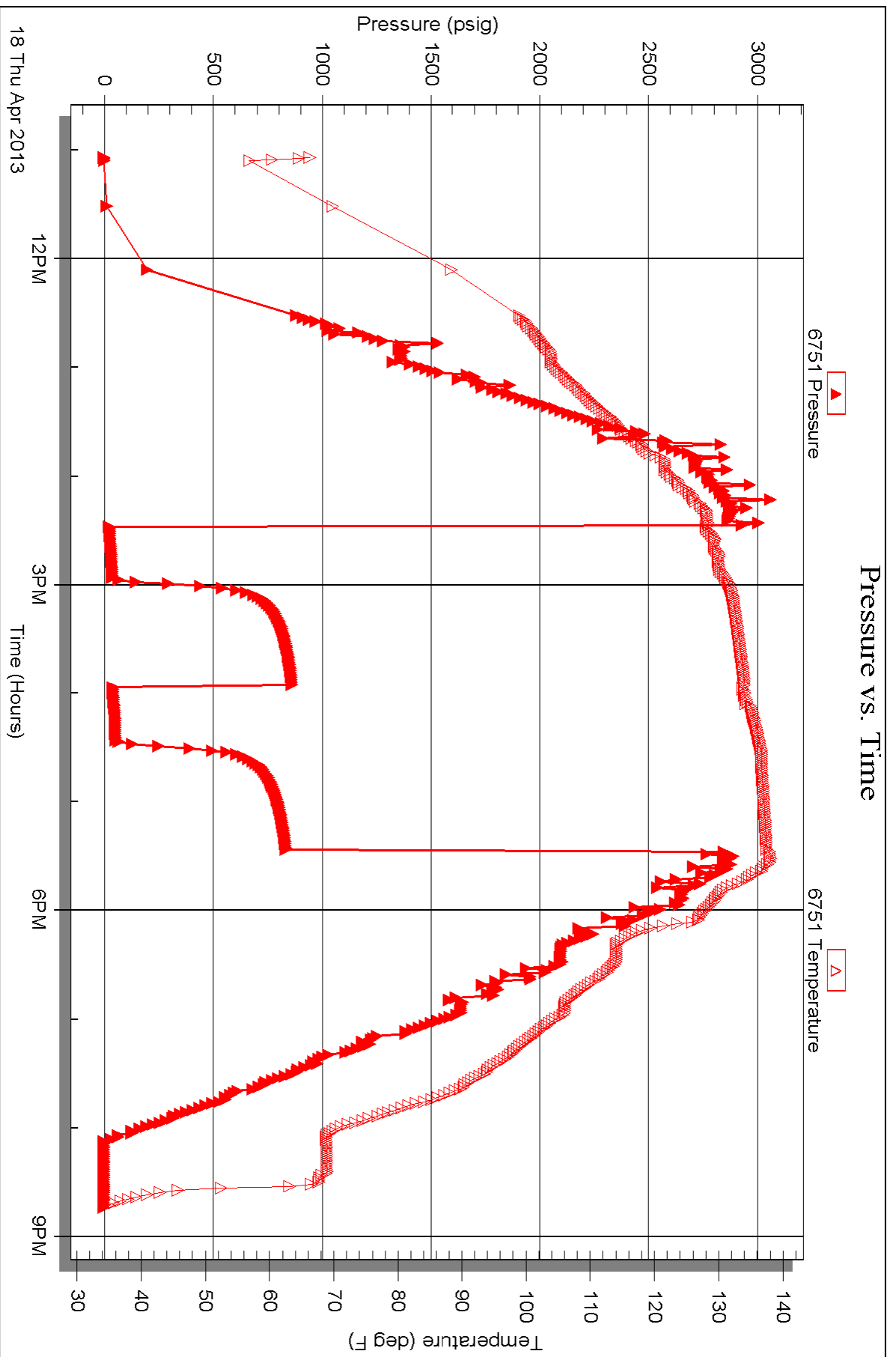


Serial #: 6751

Outside American Warrior Inc

Holt #4-12

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51736

4/10

Well Name & No. Holt #4-12 Test No. 1 Date 4-18-13
 Company American Warrior, Inc. Elevation 29372947KB 2934 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Jeff Lawler Rig Duke #9
 Location: Sec. 12 Twp. 32s Rge. 35w Co. Stevens State KS

Interval Tested 6020-6055 Zone Tested Chester Sand
 Anchor Length 35 Drill Pipe Run 5809 Mud Wt. 8.9
 Top Packer Depth 6016 Drill Collars Run 188 Vis 55
 Bottom Packer Depth 6020 Wt. Pipe Run 0 WL 7.6
 Total Depth 6055 Chlorides 2000 ppm System LCM 10[#]

Blow Description 1/4" Blow
No return.
No blow, flushed tool, surge died.
No return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|---------------|------------------|------|------|-------------------|------|
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec <u>65</u> | Feet of <u>M</u> | %gas | %oil | %water <u>100</u> | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 65 BHT 138 Gravity - API RW @ °F Chlorides - ppm

| | | |
|-------------------------------------|--|---|
| (A) Initial Hydrostatic <u>3022</u> | <input checked="" type="checkbox"/> Test 1450 | T-On Location <u>9:45</u> |
| (B) First Initial Flow <u>23</u> | <input checked="" type="checkbox"/> Jars 250 | T-Started <u>11:04</u> |
| (C) First Final Flow <u>37</u> | <input checked="" type="checkbox"/> Safety Joint 75 | T-Open <u>14:28</u> |
| (D) Initial Shut-In <u>862</u> | <input checked="" type="checkbox"/> Circ Sub <u>NIC</u> | T-Pulled <u>17:27</u> |
| (E) Second Initial Flow <u>39</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>20:45</u> |
| (F) Second Final Flow <u>54</u> | <input checked="" type="checkbox"/> Mileage <u>200RT</u> 310 | Comments <u>Good size chunk of packer is in the hole.</u> |
| (G) Final Shut-In <u>834</u> | <input type="checkbox"/> Sampler | <input checked="" type="checkbox"/> Ruined Shale Packer 350 |
| (H) Final Hydrostatic <u>2848</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Packer |

| | | |
|---------------------------|---|---------------------------------------|
| Initial Open <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>350</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Day Standby | Total <u>2685</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>2335</u> | |

Approved By _____ Our Representative Chuck Smith

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