

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs 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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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McCoy Petroleum Corp.
R&S Gates "A" #1-2
N2 NW SW
2310'FSL & 660'FWL
Sec 2-30s-31w
KB: 2854'

SAMPLE TOPS	Depth	Datum
Heebner	4180	-1326
Lansing	4249	-1395
Lansing G	4445	-1591
Iola	4554	-1700
Stark	4692	-1838
Marmaton	4836	-1982
Pawnee	4938	-2084
Ft Scott	4981	-2127
Atoka	5200	-2346
Morrow Sh.	5239	-2385
Chester	5282	-2428
St. Genevieve	5436	-2582
St. Louis	5526	-2672
RTD	5700	-2846

LOG TOPS Depth Datum
McCoy Petroleum Corp.
R&S Gates "A" #1-2
N2 NW SW
2310'FSL & 660'FWL
Sec 2-30s-31w
KB: 2854'

	Depth	Datum
Heebner	4182	-1328
Lansing	4251	-1397
Lansing G	4457	-1603
Iola	4538	-1684
Stark	4692	-1838
Marmaton	4836	-1982
Pawnee	4938	-2084
Ft Scott	4978	-2124
Atoka	5200	-2346
Morrow Sh.	5244	-2390
Chester	5259	-2405
St. Genevieve	5427	-2573
St. Louis	5556	-2702
LTD	5700	-2846



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: R & S Gates "A" # 1-2
API: 15-081-22,197-00-00
Location: N2-Nw-Sw
License Number: KCC #5003
Spud Date: 10/22/2019
Surface Coordinates: 2310' FSL & 660' FWL Sec. 2 - T. 30 S. - R. 31 W.

Region: Haskell
Drilling Completed: 10/30/2019

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2841' **K.B. Elevation (ft):** 2854'
Logged Interval (ft): SURFACE CTo:IN5690' **Total Depth (ft):** 5700'
Formation: Mississippian "St. Louis"
Type of Drilling Fluid: Chemical/Polymer/Gel & Mud Displacement at '

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

OPERATOR

Company: McCoy Petroleum Corporation
Address: 9342 E. Central
Wichita, KS 67206

GEOLOGIST

Name: David P. Williams, P.G., KSBTP #88
Company: DW ENERGY, LLC (DWE)
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

Qualifiers: CARBONATE CLASSIFICATION: AFTER DUNHAM:

GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock.

MUDSTONE; muddy carbonate rocks containing <(less than 10%) grains.

WACKSTONE; mud supported carbonate rocks with > (more than 10%) grains.

PACKSTONE; grain supported muddy carbonate rocks.

GRAINSTONE; mud free carbonate rock, grain supported.

BOUNDSTONE; carbonate rock bound together at deposition (coral, etc.).

CRYSTALLINE CARBONATE; carbonate rock retaining to little of their depositional texture to be classified.

Qualifiers; (Fossils, Minerals, Shows, Porosity, etc.)

Rare = < (less than 1%) of sample total.

Trace = < (less than 5%) of sample total, > (greater than 5%) an estimate of total percentage.

CASING AND DEVIATION SURVEY'S:

Surface Casing: Spud at 6:00 pm on 10/22/19. Drilled 12-1/4" to 1830'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1809.83' + 14.50 LJ + 1.00' shoe. Set at 1825.13' KB. Welded straps on bottom 3 joints, tacked collars on top 2 joints. Centralizers (6) on joints 1,4,6,8,10,12. Float insert in top of 1st collar. Rubber plug. Cemented with 625 sks A-Serv Lite; 3% CC, 1/4# PF and tailed with 200 sks Class C with 2% CC & 1/4# PS. Cement did circulate. Plug down at 7:00 pm on 10/24/19. Basic Energies Cementing ticket #19810. Float held. Pumped 2 bbl excess but plug did not land. Cement fell 150' down annulus. At 12 am cemented from top through 1" tubing down annulus with 175 sks class C; 2% CC. Job completed at 1:00 am on 10/25/19. Cementing ticket #19811.

DEVIATION SURVEY'S: @ 1830' = 1/2 degree. @ 4340' = 3/4 degree; @ 5700' = 3/4 degree.

DSTs

None.


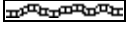
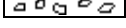
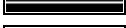

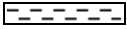



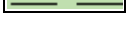





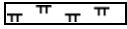


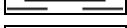
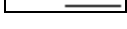
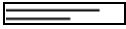

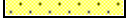
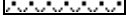
Comments

After review of all geologic samples as examined, combined with the analysis from the electric logs run, it was determined by all parties that this well is non-commercial and should be plugged and abandoned as a dry hole.





























Respectfully submitted,

David P. Williams, P.G. KSBTP # 88.

ROCK TYPES

 Anhy  Bent  Brec  Carb sh  Cht	 Clyst  Coal  Congl  Dol  Grn sh	 Gry shale  Gyp  Igne  Lmst  Meta	 Mrlst  Red shale  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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ACCESSORIES

MINERAL  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 FOSSIL  Algae  Amph	 Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fuss  Fossil  Gastro  Oolite  Oomold  Ostra  Pelec	 Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gry shale  Gyp  Ls  Mrst  Sltstrg  Ssstrg	TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

POROSITY

- ∅
- E Earthy
- F Fenest
- Fracture
- Inter
- Oomold
- Organic

- P Pinpoint
- V Vuggy

- SORTING**
- W Well
 - M Moderate
 - P Poor

ROUNDING

- R Rounded
- Subrnd
- Subang
- Angular

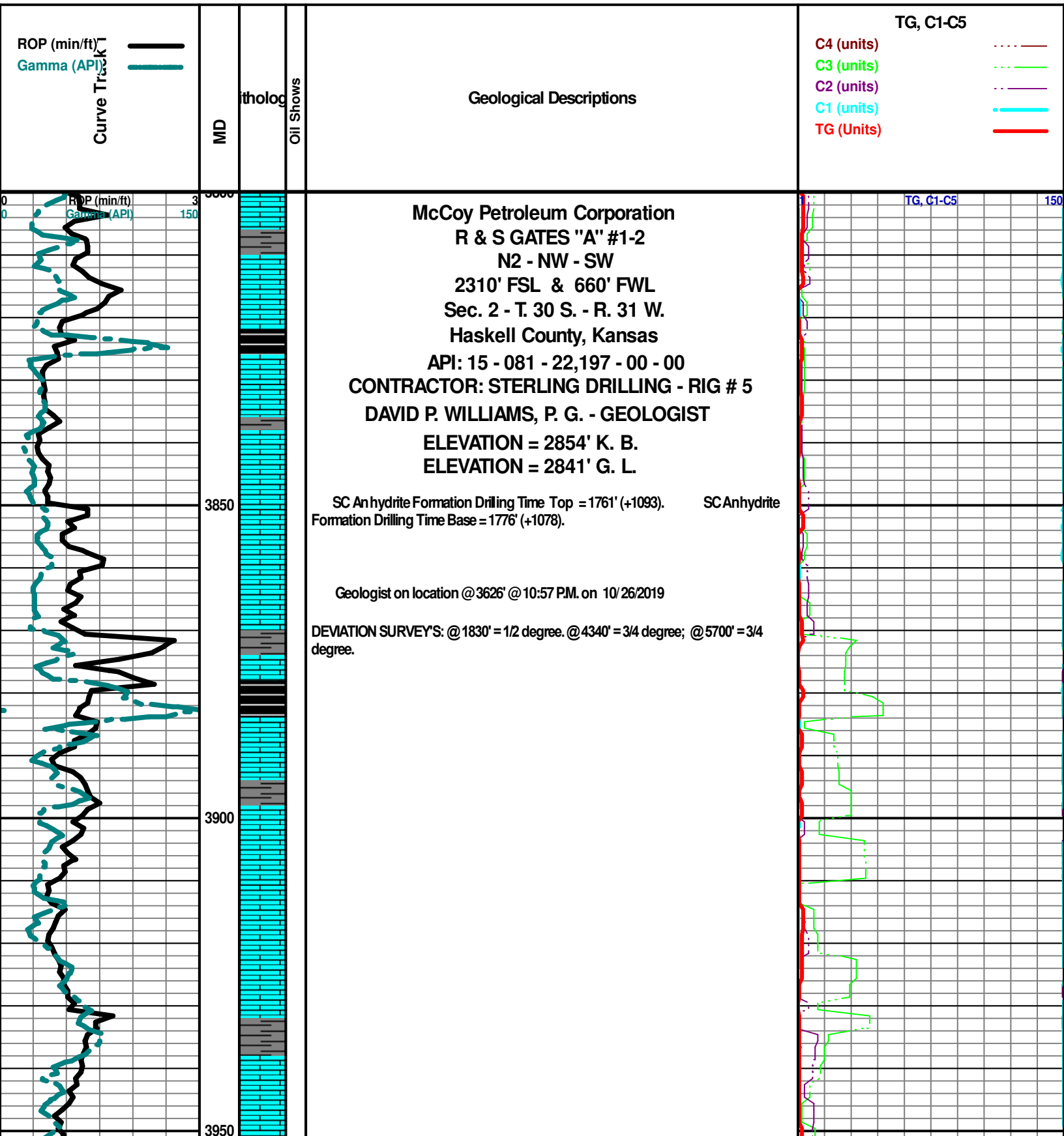
- OIL SHOW**
- Gas show

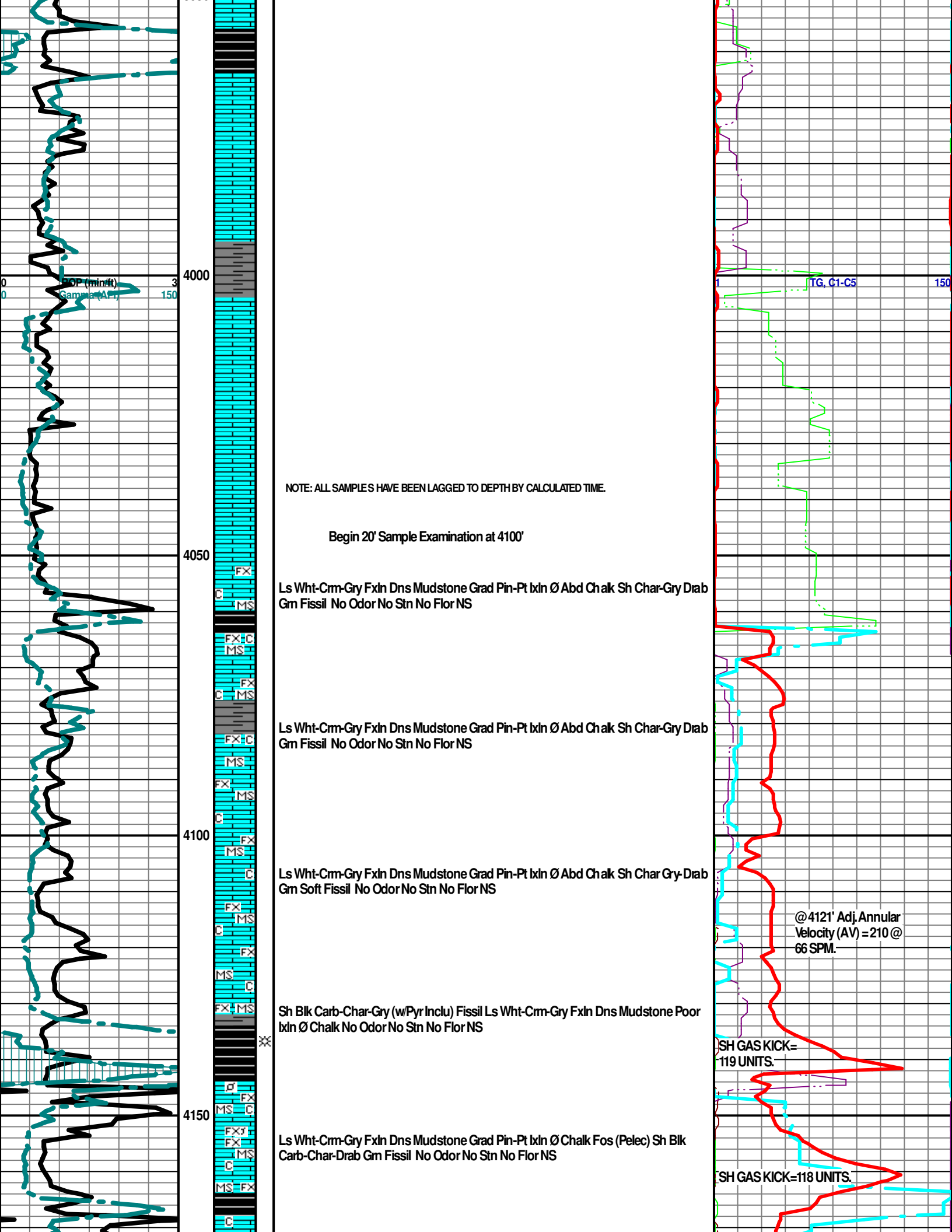
- Even
- Spotted
- Ques
- Dead

- INTERVAL**
- Dst
 - Dst_alt

EVENT

- Rft
- Sidewall





ROP (min/ft)
Gamma (API)

4000

4050

4100

4150

NOTE: ALL SAMPLES HAVE BEEN LAGGED TO DEPTH BY CALCULATED TIME.

Begin 20' Sample Examination at 4100'

Ls Wht-Crm-Gry Fxln Dns Mudstone Grad Pin-Pt lxn Ø Abd Chak Sh Char-Gry Drab
Gm Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Mudstone Grad Pin-Pt lxn Ø Abd Chak Sh Char-Gry Drab
Gm Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Mudstone Grad Pin-Pt lxn Ø Abd Chak Sh Char Gry-Drab
Gm Soft Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry (w/Pyr Inclu) Fissil Ls Wht-Crm-Gry Fxln Dns Mudstone Poor
lxn Ø Chalk No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Mudstone Grad Pin-Pt lxn Ø Chalk Fos (Pelec) Sh Blk
Carb-Char-Drab Gm Fissil No Odor No Stn No Flor NS

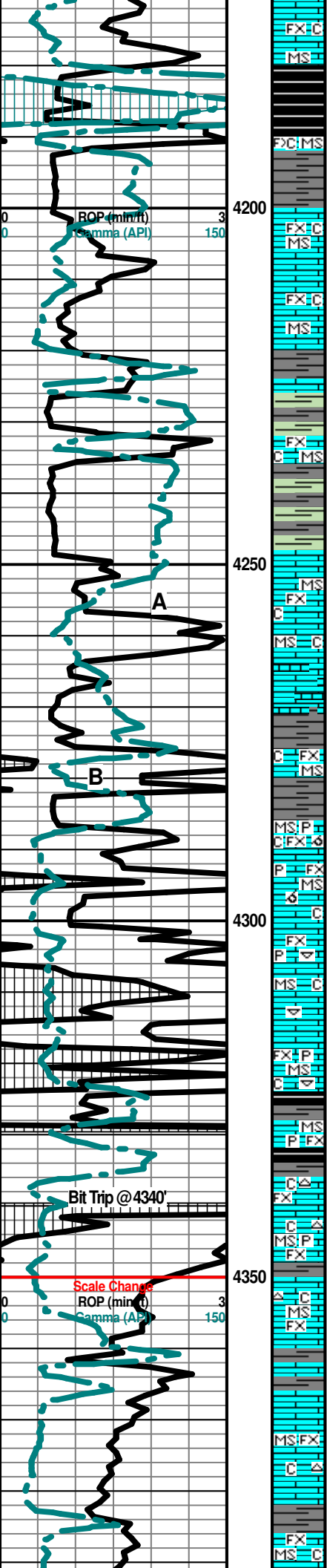
@4121' Adj. Annular
Velocity (AV) = 210 @
66 SPM.

SH GAS KICK=
119 UNITS.

SH GAS KICK=118 UNITS.

TG, C1-C5

150



HEEBNER 4180' (- 1326)

Sh Blk Carb-Char-Gry (w/Pyr Inclu) Fissil Ls Wht-Crm-Gry Fxln Dns Mudstone Poor
 bxn Ø Chalk No Odor No Stn No Flor NS

TORONTO 4200' (- 1346)

Ls Wht-Crm-Gry Fxln Dns Mudstone Grad Pin-Pt bxn Ø Chalk Sh Blk
 Carb-Char-Drab Gm Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Mudstone (w/ Pyr Inclus) Grad Poor Pin-Pt bxn Ø Sh AA
 No Odor No Stn No Flor NS

LANSING 4252' (- 1395)

Ls Wht-Crm-Tan-Gry (w/Pyr Inclus) Fxln Dns Mudstone Grad Med Pin-Pt bxn Grad
 Fair-Med Vu g OOM Ø Fair Leaching Dissolu Chalky Sh Blk Carb-Char-Gry-Gm
 Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry (w/Pyr Inclus) Fxln Dns Mudstone Grad Med Pin-Pt bxn Grad
 Fair-Med Vu g OOM Ø Fair Leaching Dissolu Chalky Sh Blk
 Carb-Char-Gry-Gm-Maroon Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry (w/Pyr Inclus) Fxln Dns Mudstone Grad Poor bxn Ø Pyr Mass
 Fos (Pelec) Cht Tan-Lt Bm Translu-Op Shp Vit Chalky Sh Char-Gry-Gm Soft-Fissil
 No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry (w/Pyr Inclus) Fxln Dns Mudstone Grad Poor bxn Ø Cht Tan-Lt
 Bm Translu-Op Shp Vit Chalky Sh Char-Gry-Gm- Maroon- Red Soft-Fissil No Odor
 No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor bxn Ø Chalky Abd Cht Wht Op Shp
 Vit Sh Char-Gry-Gm-Maroon-Red Soft-Fissil No Odor No Stn No Flor NS

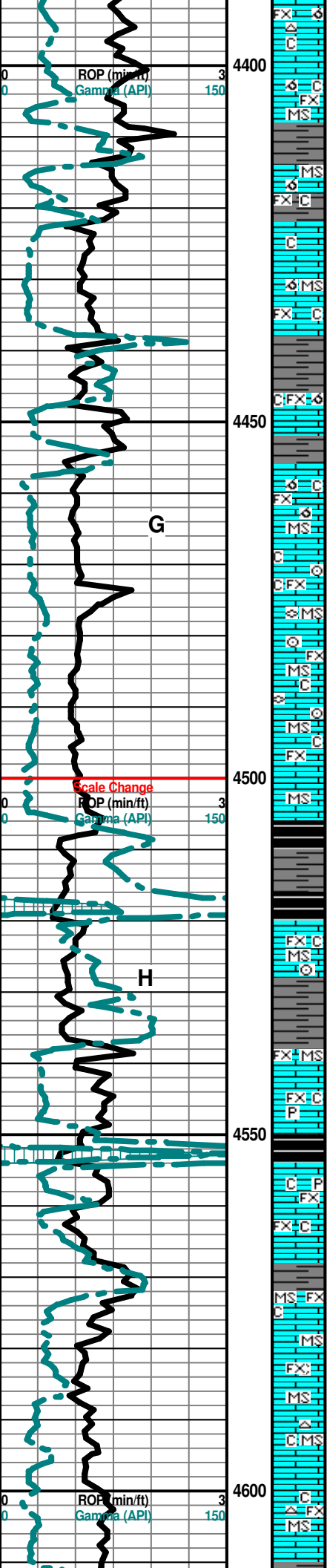
SH GAS KICK=
 113 UNITS.

Mudco Ck @
 4188' @ 9.35 AM
 10/27/19
 Vis 48;
 WT= 9.2#;
 PV= 14;
 YP= 15;
 WL= 8.8;
 Cake= 1;
 Chl= 4200;
 Cal= 20;
 Sol= 6.2.
 LCM= 2#;
 DMC= 1,797.22;
 CMC=;
 \$17,607.32.

Scale Change
 TO C1-C5

? Gas Kick =
 76 Units.

Bit Trip @ 4340'
 Gas Data Lost



Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Grad Tr Poor-Fair OOM Ø
 Poor Develop Poor Leaching Chalky Sh Char-Gry-Gm Soft-Fissil No Odor No Stn No Flor NS

TG, C1-C5

100

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Grad Tr Poor-Fair OOM Ø
 Poor Develop Poor Leaching Chalk V ABD Sh Char-Gry-Gm Soft-Fissil No Odor No Stn No Flor NS

LANSING "G" 4448' (- 1594)

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Grad Tr Poor-Fair OOM Ø
 Poor Develop Poor Leaching Chalk V ABD Sh Char-Gry-Gm Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Grad Tr Poor-Fair OOM Ø
 Poor Develop Poor Leaching Chalk V ABD Cht Tan-Brn (w/Fos Inklus (Crin, Fuss))
 Translu-Op Shp Vit Sh Char-Gry-Gm Soft-Fissil No Odor No Stn No Flor NS

Sh Blk-Carb-Char-Gry-Gm Abd Soft-Fissil Ls Crm-Tan-Gry Fxln Dns Mudstone
 w/Poor lxln Ø Chalk (V ABD) Fos (Crin) No Odor No Stn No Flor NS

KANSAS CITY "H" 4520' (- 1666)

Sh Char-Gry-Gm Abd Soft-Fissil Ls Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø
 Chalk (V ABD) Fos (Crin) No Odor No Stn No Flor NS

KANSAS CITY "IOLA" 4554' (-1700)

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone (w/Tr Pyr Inklus) w/Poor lxln Ø Chalk Dec
 Fos (Crin) Sh Blk Carb-Char-Gry-Gm- Soft-Fissil No Odor No Stn No Flor NS

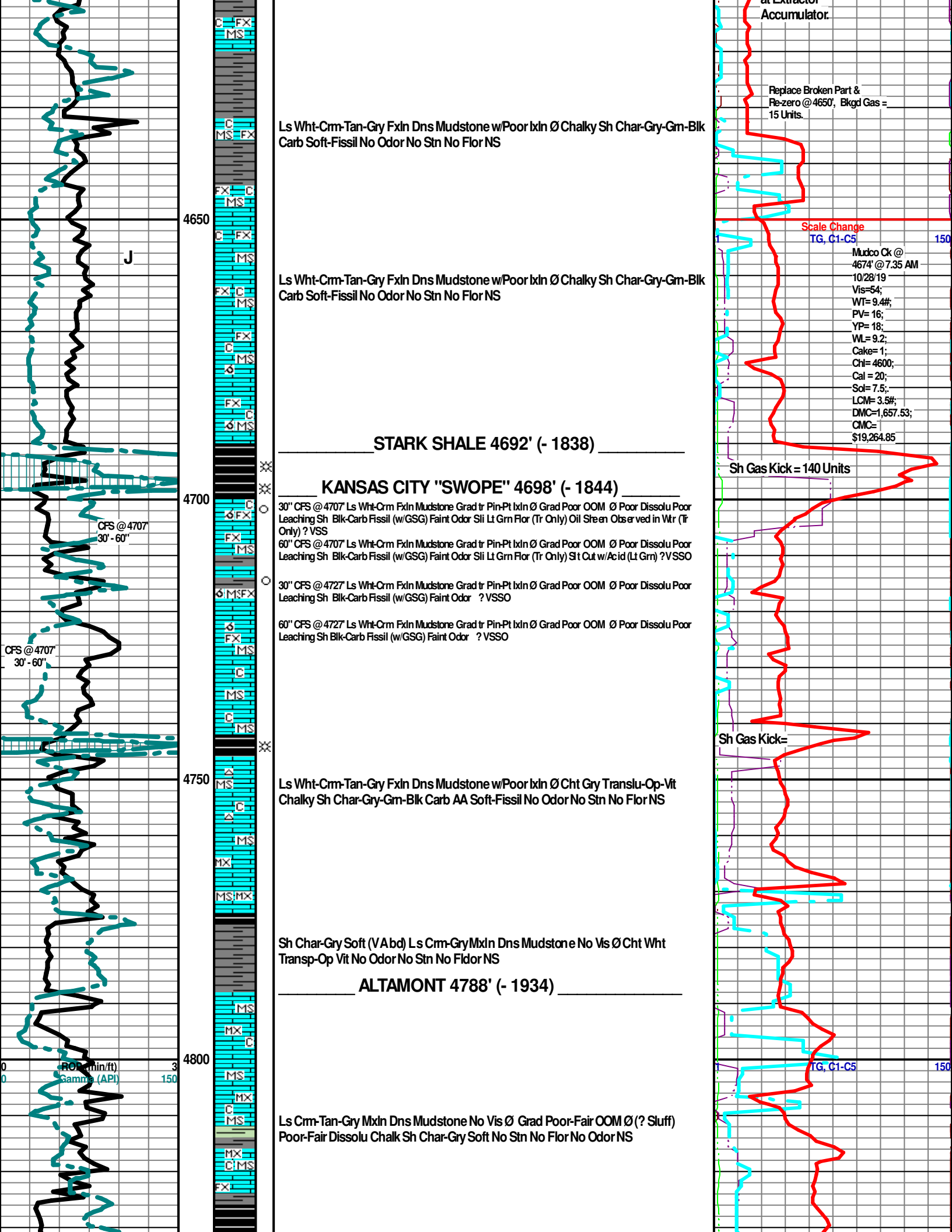
Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Chalky Sh Char-Gry-Gm-Blk
 Carb Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Grad Tr Poor OOM Ø Poor
 Develop Poor Leaching Chalky Cht Wht Tr Only Op Shp Vit Sh Char-Gry-Gm
 Soft-Fissil No Odor No Stn No Flor NS

TG, C1-C5

100

Broken Plastic Chamber- Lost Gas at Extractor



at Extractor
Accumulator.

Replace Broken Part &
Re-zero @ 4650', Bkgd Gas =
15 Units.

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Chalky Sh Char-Gry-Gm-Blk
Carb Soft-Fissil No Odor No Stn No Flor NS

4650

J

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Chalky Sh Char-Gry-Gm-Blk
Carb Soft-Fissil No Odor No Stn No Flor NS

Scale Change
TG, C1-C5

Mudco Ck @
4674' @ 7.35 AM
10/28/19
Vis=54;
WT= 9.4#;
PV= 16;
YP= 18;
WL= 9.2;
Chl= 4600;
Cal = 20;
Sol= 7.5;
LCM= 3.5#;
DMC=1,657.53;
CMC=
\$19,264.85

STARK SHALE 4692' (- 1838)

KANSAS CITY "SWOPE" 4698' (- 1844)

30" CFS @ 4707' Ls Wht-Crm Fxln Mudstone Grad tr Pin-Pt lxln Ø Grad Poor OOM Ø Poor Dissolu Poor
Leaching Sh Blk-Carb Fissil (w/GSG) Faint Odor Sli Lt Grn Flor (Tr Only) Oil Stren Observed in Wtr (Tr
Only) ? VSS

60" CFS @ 4707' Ls Wht-Crm Fxln Mudstone Grad tr Pin-Pt lxln Ø Grad Poor OOM Ø Poor Dissolu Poor
Leaching Sh Blk-Carb Fissil (w/GSG) Faint Odor Sli Lt Grn Flor (Tr Only) Sit Cut w/Acid (Lt Grn) ? VSSO

30" CFS @ 4727' Ls Wht-Crm Fxln Mudstone Grad tr Pin-Pt lxln Ø Grad Poor OOM Ø Poor Dissolu Poor
Leaching Sh Blk-Carb Fissil (w/GSG) Faint Odor ? VSSO

60" CFS @ 4727' Ls Wht-Crm Fxln Mudstone Grad tr Pin-Pt lxln Ø Grad Poor OOM Ø Poor Dissolu Poor
Leaching Sh Blk-Carb Fissil (w/GSG) Faint Odor ? VSSO

4700

CFS @ 4707'
30' - 60'

CFS @ 4707'
30' - 60'

Sh Gas Kick = 140 Units

Sh Gas Kick=

Ls Wht-Crm-Tan-Gry Fxln Dns Mudstone w/Poor lxln Ø Cht Gry Translu-Op-Vit
Chalky Sh Char-Gry-Gm-Blk Carb AA Soft-Fissil No Odor No Stn No Flor NS

4750

Sh Char-Gry Soft (VA bd) Ls Crm-GryMxln Dns Mudstone No Vis Ø Cht Wht
Transp-Op Vit No Odor No Stn No Fldor NS

ALTAMONT 4788' (- 1934)

4800

Ls Crm-Tan-Gry Mxln Dns Mudstone No Vis Ø Grad Poor-Fair OOM Ø (? Sluff)
Poor-Fair Dissolu Chalk Sh Char-Gry Soft No Stn No Flor No Odor NS

ROD (min/ft)
gamma (API)

150

TG, C1-C5

150

MARMATON 4835' (- 1981)

Ls Wht-Crm-Tan-Gry Fxin Dns Mudstone w/Poor Ixln Ø Cht Lt Brn Translu-op-Vit Chalky Sh Char-Gry-Gm-Blk Carb Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Fxin Dns Mudstone w/Poor Ixln Ø Cht Lt Brn Translu-Op-Vit Chalky Sh Char-Gry-Gm-Blk Carb Soft-Fissil No Odor No Stn No Flor NS

30" CFS @ 4905' Ls Wht-Crm-Tan Fxin Dns Mudstone (w/Pyr Includ) Grad Poor-Fair Ixln Pin-Pt Ø Grad Poor OOM Ø (w/OOL in pl) Poor Leaching Dissolu Fos (Fuss) Sh Blk Carb-Char-Gry soft-Fissil No Odor No Stn Few Pcs (5) w/Tr ? Min Flor NS

60" CFS @ 4905' Ls Wht-Crm-Tan Fxin Dns Mudstone (w/Pyr Includ) Grad Poor Ixln Pin-Pt Ø (Tr Only) Grad Poor OOM Ø (Tr Only) Sh Blk Carb-Char-Gry soft-Fissil No Odor No Stn Few Pcs (5) w/Tr ? Min Flor NS

75" CFS @ 4905' Ls AA Sh AA No Odor No Stn No Flor NS

Ls Wht-Crm-Tan Fxin Dns Mudstone (w/Pyr Includ) Fos (Crin) Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

PAWNEE 4938' (- 2084)

Ls Wht-Crm-Tan Fxin Dns Mudstone (w/Pyr Includ) Cht DTan-Lt B in Op Shp Vit Fos (Crin) Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

FORT SCOTT 4978' (- 2124)

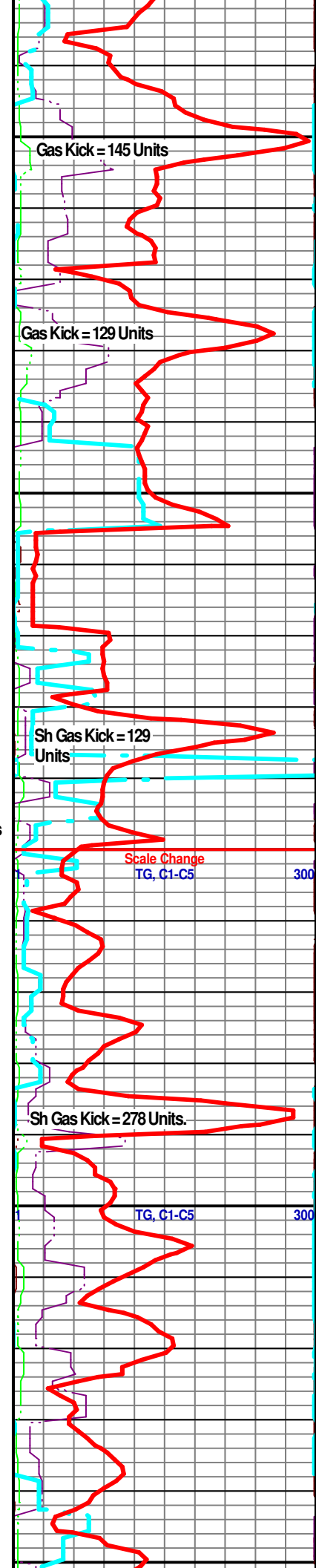
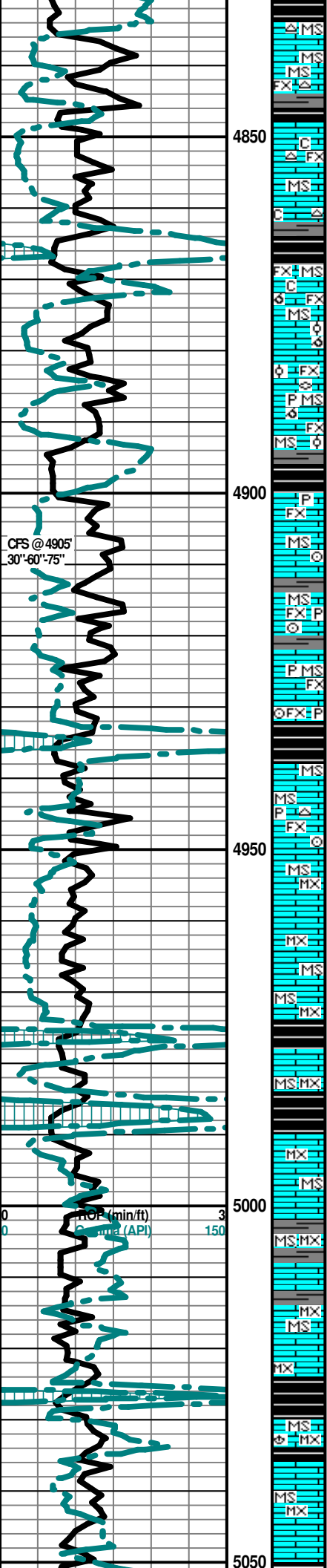
Sh Blk Carb-Char-Gry (w/GSG) Ls Wht-Crm Mxln Poor Ixln Ø Cht Wht Op Shp No odor No Stn No Flor NS

CHEROKEE SHALE 4984' (- 2130)

Ls Wht-Crm- Gry Dns Mxln Poor Ixln Ø Mudstone Chalk Sh Blk Carb-Char Fissil No Odor No Flor No Stn NS

SECOND CHEROKEE SHALE 5035' (- 2181)

Ls Wht-Crm- Gry Dns Mxln Poor Ixln Ø Mudstone Chalk Fos (Brach) Sh Blk Carb-Char Fissil No Odor No Flor No Stn NS



Sh Blk Carb-Char-Gry Fiaail Ls Wht-Crm Mxin Poor Ixln Ø Cht Wht Op Shp No odor No Stn No Flor NS

THIRD CHEROKEE SHALE 5180' (- 2326)

Ls Wht-Crm- Gry Dns Fxln Poor Ixln Ø Mudstone (w/Tr Pyr Inclus) Grad Poor Pin-Pt Ø Chalk Fos (Crin) Sh Blk Carb-Char Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Dns Fxln Poor Ixln Ø Mudstone (w/Tr Pyr Inclus) Grad Poor Pin-Pt Igran Ixln Ø Cht Lt Brn-Tan-Lt Gry Translu-Op Vit Shp Sh Blk Carb-Ch ar Fissil No Odor No Flor No Stn NS

Ls Wht-Crm- Gry Dns Fxln Poor Ixln Ø Mudstone (w/Tr Pyr Inclus) Grad Poor Pin-Pt Ø Fos (Crin) Sh Blk Carb-Char Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Dns Fxln Poor Ixln Ø Mudstone (w/Tr Pyr Inclus) Grad Poor Pin-Pt Igran Ixln Ø Cht Lt Brn-Tan-Lt Gry Translu-Op Vit Shp Sh B k Carb-Char Fissil No Odor No Flor No Stn NS

LsGry-Crm- Wht Dns Mxin Poor Ixln Ø Mudstone (w/Tr Pyr Inclus) Cht Lt Gry Op Vit Shp Sh Blk Carb-Char Fissil No Odor No Flor No Stn NS

ATOKA SHALE 5200' (- 2346)

Ls Crm-Wht-Tan Fxln Poor Ixln Ø Mudstone Dns Barren Chalk Soft Cht Drk Blk-Gry Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

30" CFS @ 5238' Ls Crm-Wht-Tan Mxin Poor Ixln Ø Mudstone Dns Chalk Soft Cht Drk Blk-Drk Amber Shp Translu-Op Vit Op Sh Blk Carb-Gry Fair Inc Odor No Flor No Stn NS

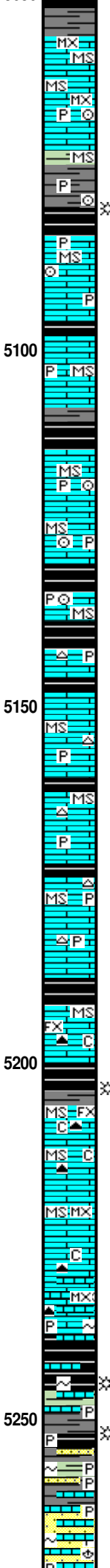
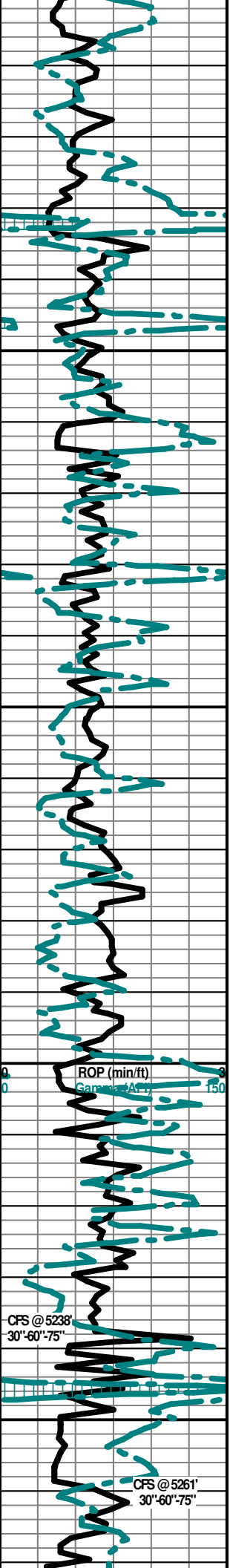
60" & 75" CFS @ 5238' Ls Crm-Wht-Tan Mxin Poor Ixln Ø Mudstone Dns Chalk Soft Cht Drk Blk-Drk Amber Shp Translu-Op/Vit Op Sh Blk Carb-GryFaint-Fair Odor No Flor No Stn NS

MORROW SHALE 5239' (- 2385)

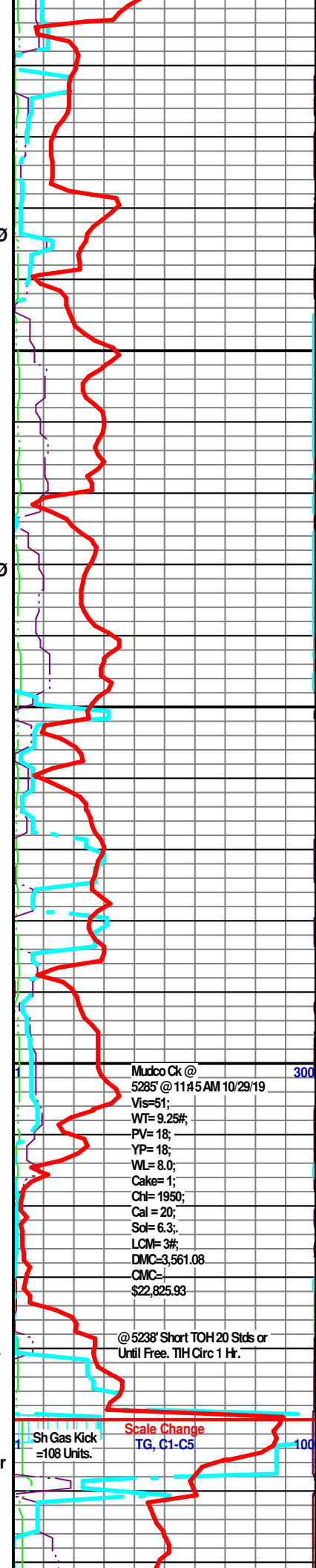
30" CFS @ 5261' Sh Blk Carb-Char-Gry Fissil (V ABD) LsCrm Fxln Mudstone (w/Hvy Glacu & Pyr Inclus) Pyr Mass No Odor No STn No Flor NS

60" & 75" CFS @ 5261' Sh Blk Carb-Char-Gry- Aqua Fissil (VABD) Ls Crm Fxln Mudstone (w/Hvy Glacu & Pyr Inclus) Qtz Ss Wht-Gm Ang- Sub Ang Poor Igran Ø (w/Hvy Glacu & Pyr Inclus) Hvy CaCO3 Cmt Matrix Pyr Mass No Odor No Stn No Flor NS

60" & 75" CFS @ 5275' Qtz Ss Wht-Gm Ang-SubAng Poor Igran Ø (w/Hvy Glacu & Pyr Inclus) Hvy CaCO3 Cmt Matrix Semi-Friable Ls Crm Fxln Mudstone (w/Hvy Glacu, Carb & Pyr Inclus) Fos (Brach) Sh Blk Carb-Char- Gry- Aqua Fissil Pyr Mass No Odor No Cut (w/Acid) No Stn No Flor NS



Descriptive text for each geological unit, detailing lithology, fossil content, and other characteristics.

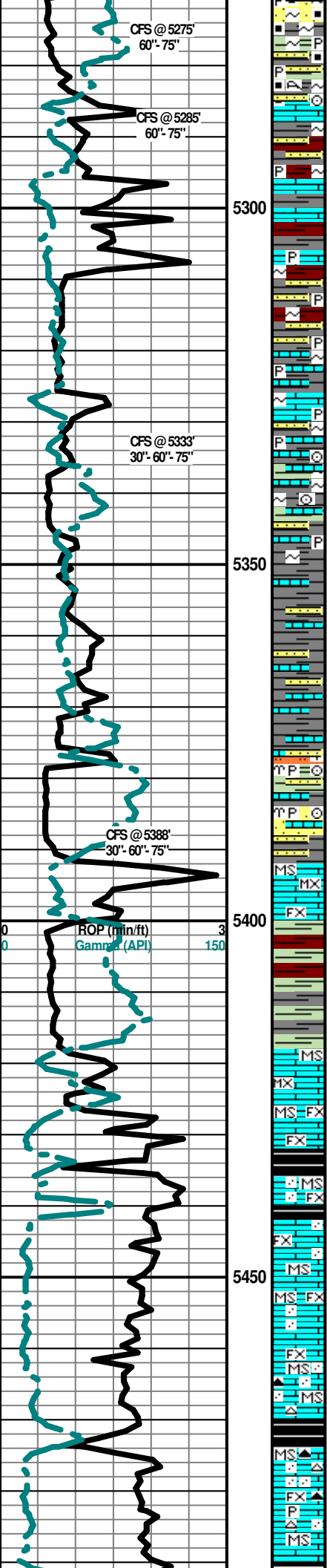


Mudco Ck @ 5285' @ 11:45 AM 10/29/19
Vis=51;
WT= 9.25#;
PV= 18;
YP= 18;
WL= 8.0;
Cake= 1;
Cht= 1950;
Cal = 20;
Sol= 6.3;
LCM= 3#;
DMC=3,561.08
CMC=
\$22,825.93

@ 5238' Short TOH 20 Stds or Until Free. TH Circ 1 Hr.

Scale Change TG, C1-C5

Sh Gas Kick =108 Units.



60" & 75" CFS @ 5285' Ls Wht-Crm Fxln Mudstone (w/Hvy Glacu, Pyr & Carb Inklus) Qtz Ss Wht-Gm Ang-Sub Ang Poor Igran Ø (w/Hvy Glacu, Carb & Pyr Inklus) Hvy CaCO3 Cmt Matrix Semi-Friable Fos (Coral, Crin) Sh Blk Carb-Char- Gry-Grn-Aqua Fissil Pyr Mass No Odor No Stn No Cut (w/Acid) No Flor NS

MISSISSIPPIAN "CHESTER" 5282' (- 2428)

Ls Wht-Crm Fxln Mudstone (w/Hvy Glacu, Pyr & Carb Inklus) Qtz Ss Wht-Gm Ang-Sub Ang Poor Igran Ø (w/Hvy Glacu, Carb & Pyr Inklus) Hvy CaCO3 Cmt Matrix Semi-Friable AA Sh Char-Gry-Gm- Aqua-Maroon Soft-Fissil (Wash Red) Pyr Mass No Odor No Stn No Flor NS

30" CFS @ 5333' Ls Wht-Crm Fxln Mudstone (w/Hvy Glacu, Pyr & Carb Inklus) Qtz Ss Wht-Gm Ang-Sub Ang Poor Igran Ø (w/Hvy Glacu, Carb & Pyr Inklus) Hvy CaCO3 Cmt Matrix Semi-Friable AA Sh Char-Gry-Gm-Aqua-Maroon Soft-Fissil (Wash Red) Pyr Mass No Odor No Stn No Flor NS

60" & 75" CFS @ 5333' Ls Wht-Crm Fxln Mudstone AA Qtz Ss Wht-Gm Ang-Sub Ang Poor Igran Ø (w/Hvy Glacu, Carb & Pyr Inklus) Decl AA Sh Blk Carb-Char-Gry-Gm-Aqua Soft-Fissil Pyr Mass No Odor No Stn No Flor NS

Ls Wht- Crm-Gry Mxln-Fxln Dns Mudstone (w/Pyr Inclu) Fos (Crin) Sh Char-Gry-Gm-Olive Soft-Fissil Pyr Mass No Odor No Stn No Flor NS

30" CFS @ 5388' Ls Wht- Crm-Gry Mxln-Fxln Dns Mudstone (w/Pyr Inclu) Qtz Ss Tan-Lt Brn-Crm VFG Ang/Sub-Ang (w/Small Gms) Poor-Fair Igran Ø Fos (Bry, Crin) Sh Varicolored Char-Gry-Gm- Olive Soft-Fissil Pyr Mass Odor No Stn No Flor NS

? MISS. "LWR CHESTER SAND" 5376' (- 2522)

60" & 75" CFS @ 5388' Ls Wht- Crm-Gry Mxln-Fxln Dns Mudstone (w/Pyr Inclu) Sh Varicolored Char-Gry-Gm-Olive-Yell Fissil-Soft Pyr Mass Qtz Ss Tan-Lt Brn-Crm VFG Ang-Sub Ang w/SmallGms) Fair Igran Ø (Few Pcs- 10) No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry- Gm-Aqua-Maroon Soft-Fissil Ls Wht-Crm (Banded Yell)-Gry-Lt Aqua Mxln-Fxln Dns Mudstone No Odor No Flor NS

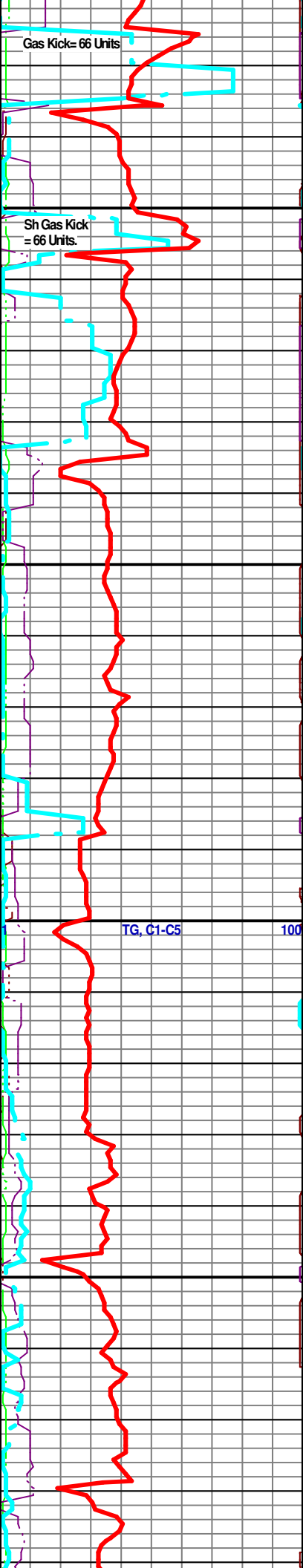
Ls Wht-Crm-Gry-Lt Aqua Mxln-Fxln Dns Mudstone Sh Blk Carb- Char-Gry- Gm-Aqua-Maroon Soft-Fissil No Odor No Flor NS

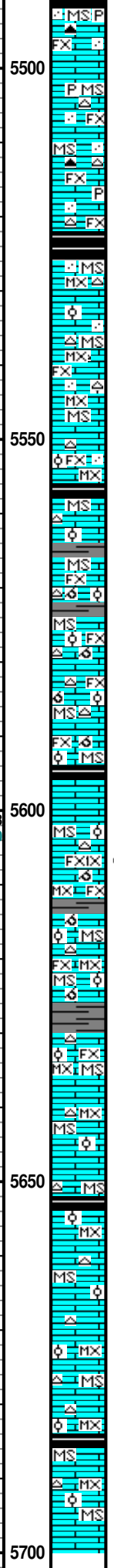
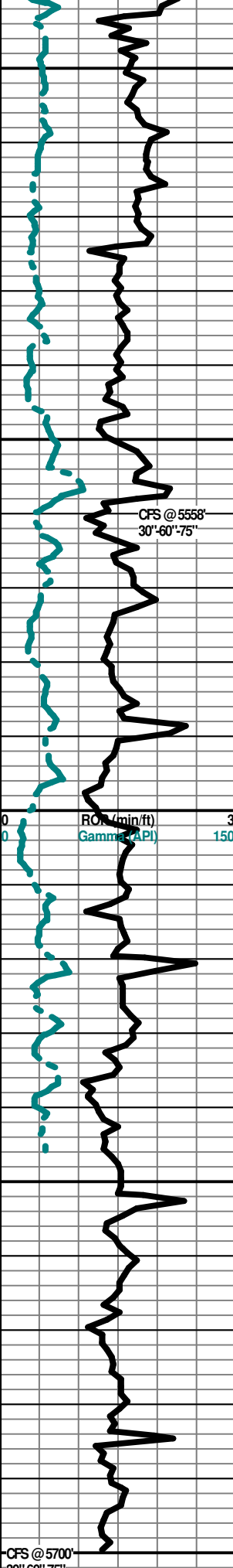
MISSISSIPPIAN "STE. GEN" 5436' (- 2582)

Ls Wht-Gry Fxln Poor "Carbonate Sandy Ls" (w/Small Qtz Ss Inklus) Wht-Crm-Tan VFGm Ang-Sub Ang Inklus (fL=125-177 Microns= 3.0-2.25 Ø) Grad Crm-Tan-Gry Fxln Dns Mudstone Sh Char-Blk Carb-Gry-Maroon-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Carbonate Sandy Ls" (w/Small Qtz Ss Inklus) Wht-Crm-Tan VFGm Ang-Sub Ang Inklus (fL=125-177 Microns= 3.0-2.25 Ø) Grad Crm-Tan-Gry Fxln Dns Mudstone Sh Char-Blk Carb-Gry-Maroon-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Carbonate Sandy Ls" (w/Small Qtz Ss Inklus) Wht-Crm-Tan VFGm Ang-Sub Ang Inklus (fL=125-177 Microns= 3.0-2.25 Ø) Grad Crm-Tan-Gry Fxln Dns Mudstone Cht Blk-Tan-Amber-Peach Op Shp Vit Pyr Mass Sh Char-Blk Carb-Gry-Maroon-Aqua Soft-Fissil No Odor No Stn No Flor NS





Ls Wht-Gry Fxln Poor "Carbonate Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Grad Crm-Tan-Gry Fxln Dns Mudstone Cht Blk-Tan-Amber Translu- Op Shp Vit Pyr Mass Sh Char-Blk Carb-Gry- Maroon-Aqua Soft-Fissil No Odor No Stn No Flor NS

MISSISSIPPIAN "ST. LOUIS" 5526' (- 2672)

30" CFS @ 5558' Ls Wht-Crm Mxln-Fxln Dns Mudstone Grad Med-Lg OOL Ø (w/ Small-Med OOids in pl) Poor Leaching Poor Develop Poor OOL Dissolu Grad Poor lxn Ø Mudstone Cht Wht-Amber-Peach Translu-Op Shp Vit Sh Char-Blk Carb-Gry-Maroon- AquaSoft-Fissil No Odor No Fbr No Stn NS

60" CFS @ 5558' Ls Wht-Crm Mxln-Fxln Dns Mudstone Grad Med-Lg OOL Ø (w/ Small-Med OOids in pl) Poor Leaching Poor Develop Poor OOL Dissolu Grad Poor lxn Ø Cht Wht-Amber- Peach Translu-Op Shp Vit Sh Char-Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Mxln-Fxln Dns Mudstone Grad Small-Med OOL Ø (w/ Small-Med OOids in pl) Poor Leaching Poor Develop Poor OOL Grad Poor Inter OOL/OOM Ø Poor-No Dissolu Grad Poor lxn Ø Cht Wht-Amber- Peach Translu-Op Shp Vit Sh Char-Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Mxln-Fxln Dns Mudstone Grad Small OOL Ø (w/ Small OOids in pl) Poor Leaching Poor Develop Poor OOL Grad Poor Inter OOL/OOM Ø Poor-No Dissolu Grad Poor lxn Ø Cht Gm Op Shp Vit Sh Char-Blk Carb Fissil ? Faint Odor No Flor No Stn NS

Ls Wht-Crm-Tan Mxln-Fxln Dns Mudstone Grad Small OOL Ø (w/ Small OOids in pl) Poor Leaching Poor Develop Poor OOL Grad Poor Inter OOL/OOM Ø Poor-No Dissolu Grad Poor lxn Ø Cht Gm Op Shp Vit Sh Char-Blk Carb Fissil ? Faint Odor No Flor No Stn NS

Ls Crm-Tan Microxln Mudstone Poor lxn Ø Dns Grad Poor Inter OOL Ø Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char-Maroon (Tr Only ? Sluff) Fissil No Odor No Stn No Flor NS

30" CFS @ 5700' Ls Crm-Tan Microxln Mudstone Poor lxn Ø Dns Grad Poor Inter OOL Ø Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char Fissil No Odor No Stn No Flor NS

60" & 75" CFS @ 5700' Ls Crm-Tan Microxln Mudstone Poor lxn Ø Dns Grad Poor Inter OOL Ø Cht Wht-Lt Gry Translu-Op Shp Vit Sh Char Fissil No Odor No Stn No Flor NS

Mudco Ck @
5700' @ 12:00 PM
10/30/19
Vis=54;
WT=9.25#;
PV= 17;
YP= 17;
WL= 7.2;
Cake= 1;
ChI= 3500;
Cal= 20;
SoI= 6.2;
LCM= 4#;
DMC= \$1,339.16
CMC= \$24,165.09

L.T.D. = 5700' (-2846)

Microresistivity Logs.

Geologist Released From Locatom @ 5 P.M. on 10/30/2019.

5750



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	McCoy Petroleum Corporation	Cement Pump No.:	38117, 19919 4Hrs.	Operator TRK No.:	96816
Address:	9342 E. Cemntral	Ticket #:	1718 19810 L	Bulk TRK No.:	14354, 37724 Sam 70897, 37547 Oscar
City, State, Zip:	Wichita, Kansas 67206	Job Type:	Z-42 Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	NEW		
Well Name and No.:	R&S Gates "A" # 1-2	Well Location:	2-30S-31W	County:	Haskell State: Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Serv Lite	625	3% Calcium Chloride, 1/4# Polyflake	14354, 37724 Sam, 30463, 14284	Front	Back
Class C	200	2% Calcium Chloride, 1/4# Polyflake	70897, 37547 Oscar	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	12.7	2.08	11.52	1300	TT Man Hours:	51
Tail:	14.8	1.34	6.33	268	# of Men on Job:	4

Time (am/pm)	BPM	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
11:15							ON LOCATION & SAFETY MEETING
16:00							RIG UP
4:55 PM							RIG TO CIRCULATE
5:14 PM							RIG TO PT
17:18							PRESSURE TEST TO 2000PSI
17:23	6	231.5 slurry				290	PUMP 625SX LEAD @ 12.7#
18:08	6	47.7 slurry				330	PUMP 200SX TAIL @ 14.8#
6:18 PM							SHUTDOWN / DROP PLUG
	6	10				220	DISPLACE
	6.1	20				240	
	6	30				260	
	6	40				290	
	6	50				320	
	6	60				360	
	6	70				420	
	6	80				470	
	6	90				530	
	6	100				580	
18:40	6	103				600	SLOW RATE TO 2.1BPM @ 470PSI
	2	110				510	PLUG DID NOT LAND / PRESSURE UP TO PSI
18:50	2	115.7				540	RELEASE BACK --- FLOAT HELD
							JOB COMPLETE

Size Hole	12 1/4"	Depth		TYPE		Plug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	1830.13'	New / Used	Packer	Depth	
Landing Press.	442.4psi	Depth			Retainer	Depth	
Shoe Jt.	42.17'	Type			Perfs	CIBP	

Customer Signature: <i>Alan Loftis</i>	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	10/24/2019



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002661	1718	10/25/2019
INVOICE NUMBER			
93075161			

Pratt (620) 672-1201
 B MC COY PETROLEUM CORP
 I PO Box: 39
 L SPIVEY
 L KS US 67142
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME R&S Gates A 1-2
 O LOCATION
 B COUNTY Haskell
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41193810	19919		Net - 30 days	11/24/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 10/24/2019 to 10/24/2019</i>				
0041193810				
171819810L-Cement-New Well Casing/Pi 10/24/2019				
Cement Surface Casing				
A-Serv Lite	640.00	SK		
Class C Cement	200.00	SK		
Celloflake	207.00	LB		
Calcium Chloride	2,008.00	LB		
Depth Charge, 1001'-2000'	1.00	HR		
Light Vehicle Mileage	40.00	MI		
Heavy Equipment Mileage	160.00	MI		
Ton Mileage	1,464.00	MI		
Blending & Mixing Service Charge	825.00	SK		
Plug Container Utilization Charge	1.00	EA		
Guide Shoe - Regular, 8 5/8" (Blue)	1.00	EA		
Flapper Type Insert Float Valves. 8 5/8"	1.00	EA		
Top Rubber Cement Plug, 8 5/8"	1.00	EA		
Centralizer, 8 5/8" (Blue)	4.00	EA		
Service Supervisor Charge	1.00	EA		
Driver Charge	4.00	EA		

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOT#
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TA
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOT#
DALLAS, TX 75284-1903	FORT WORTH, TX 76102	

D

RECEIVED NOV 06 2019



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002661	1718	10/28/2019
INVOICE NUMBER			
93076418			

Pratt (620) 672-1201
 B MC COY PETROLEUM CORP
 I PO Box: 39
 L SPIVEY
 L KS US 67142
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME R&S Gates A 1-2
 O LOCATION
 B COUNTY Haskell
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41193976	19919		Net - 30 days	11/27/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 10/25/2019 to 10/25/2019</i>				
0041193976				
171819811L Cement-New Well Casing/Pi 10/25/2019				
Cement 1" Top Off - <i>Surface</i>				
Class C Cement	175.00	SK		
Calcium Chloride	300.00	LB		
Depth Charge, 0'-1000'	1.00	HR		
Light Vehicle Mileage	40.00	MI		
Heavy Equipment Mileage	160.00	MI		
Ton Mileage	329.00	MI		
Blending & Mixing Service Charge	175.00	SK		
Service Supervisor Charge	1.00	EA		
Driver Charge	2.00	EA		

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTL
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	T1
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTL
DALLAS, TX 75284-1903	FORT WORTH, TX 76102	