

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1241563
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1241563

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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McCoy Petroleum Corporation
WHITAKER "A" #1-8
API#: 15-119-21375-0000

ACO-1 Supplemental Information

SAMPLE TOPS

McCoy Petroleum Corp.
Whitaker 'A' #1-8
C NW SW
1980'FSL & 660'FWL
Sec 8-30s-30w
KB: 2825'

	Depth	Datum
Heebner	4199	-1374
Toronto	4219	-1394
Lansing	4268	-1443
Lansing G	4550	-1725
Stark	4706	-1881
Swope Pors.	4720	-1895
Hushpuckney	4762	-1937
Hertha Pors.	4778	-1953
Marmaton	4845	-2020
Pawnee	4940	-2115
Ft Scott	4961	-2136
Cherokee	5004	-2179
Atoka	5200	-2375
Morrow Sh.	5248	-2423
Chester	5256	-2431
St Genevieve	5446	-2621
St Louis	5564	-2739
RTD	5700	-2875

LOG TOPS

McCoy Petroleum Corp.
Whitaker 'A' #1-8
C NW SW
1980'FSL & 660'FWL
Sec 8-30s-30w
KB: 2825'

	Depth	Datum
Heebner	4198	-1373
Toronto	4218	-1393
Lansing	4267	-1442
Lansing G	4549	-1724
Stark	4707	-1882
Swope Pors.	4716	-1891
Hushpuckney	4759	-1934
Hertha Pors.	4774	-1949
Marmaton	4844	-2019
Pawnee	4954	-2129
Ft Scott	4990	-2165
Cherokee	5000	-2175
Atoka	5204	-2379
Morrow Sh.	5248	-2423
Chester	5256	-2431
St Genevieve	5440	-2615
St Louis	5564	-2739
LTD	5700	-2875

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: WHITAKER "A" #1-8
API: 15-119-21,375-00-00
Location: NW - SW of Sec. 8 - T. 30 S. - R. 30 W.
License Number: KCC # 5003
Spud Date: 10/17/2014
Surface Coordinates: SPOT: 1980' FSL & 660' FWL
Region: MEADE CO., KS.
Drilling Completed: 10/23/14

Bottom Hole
Coordinates:
Ground Elevation (ft): 2814' K.B. Elevation (ft): 2825'
Logged Interval (ft): 1783' To: 5700' Total Depth (ft): 5700'
Formation: MISSISSIPPIAN "ST. LOUIS"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 2930'.

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

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 9342 E. CENTRAL
WICHITA, KANSAS 67206-2573

GEOLOGIST

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

CASING & DEVIATION

Spud at 2:30 AM on 10/17/14. Drilled 12-1/4" to 1830'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1770.59'. Set at 1783' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. (4) Centralizers on joints 1-3-5-7. Float insert in top of 1st joint. Cemented with 675 sks Class A 3% CC, 6% Gel 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did circulate. Plug down at 6:00 PM on 10/18/14. Basic Cementing ticket #61663.

Deviation Survey's Taken: @ 1830' = 1 degree; @ 5700' = 3/4 degree.

DSTs

NONE TAKEN.


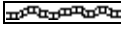
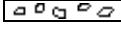

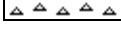
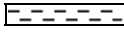









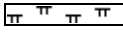


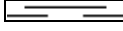
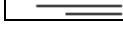
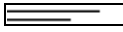



Comments

After review of all geologic samples as examined, combined with the results from analysis from the electric logs run, it was determined by all parties that production casing should be run in order to further evaluate this well.




































































Respectfully submitted,

David P. Williams, P. G # 88 Kansas























ROCK TYPES

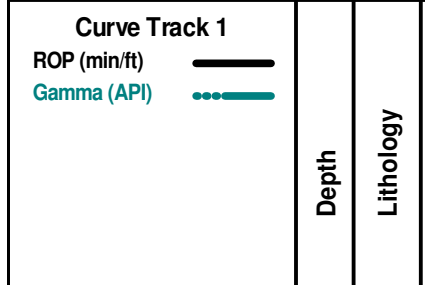
 Anhy  Bent  Brec  Carb sh  Cht	 Clyst  Coal  Congl  Dol  Grn sh	 Gry sh  Gyp  Igne  Lmst  Meta	 Mrlst  Red shale  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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ACCESSORIES

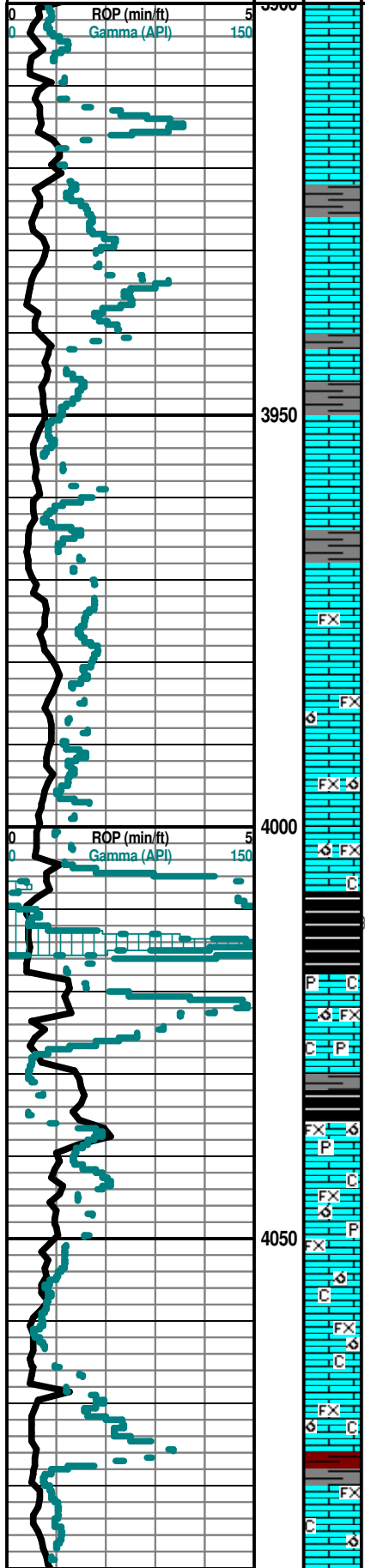
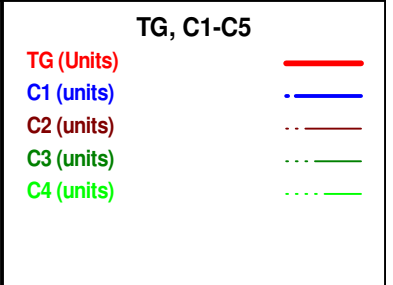
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		STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst  Sltstrg  Ssstrg			

OTHER SYMBOLS

POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy	ROUNDING  Rounded  Subrnd  Subang  Angular	 Even  Spotted  Ques  Dead	EVENT  Rft  Sidewall
		SORTING  Well  Moderate  Poor	OIL SHOW  Gas show	INTERVAL  Dst  Dst_alt



Geological Descriptions



McCOY PETROLEUM CORPORATION
WHITAKER "A" # 1-8
SPOT: 1980' FSL & 660' FWL
NW - SW
Sec. 8 - T. 30 S. - R. 30 W.
MEADE COUNTY, KANSAS
A.P.I. # 15 - 119 - 21,375 - 00 - 00
ELEVATION : 2825' K. B. ; 2814' G. L.
CONTRACTOR: STERLING DRILLING - RIG # 2
Geologist: David P. Williams, P. G.
 Geologist on location @ (4003') 7:15 PM 10-20-14

STONE CORRAL ANHYDRITE SAMPLE TOP = 1754' (+1067).
 STONE CORRAL ANAYDRITE SAMPLE BASE = 1770' (+1055).

Deviation Survey's Taken: @ 1830' = 1 degree; @ 5700' = 3/4 degree.

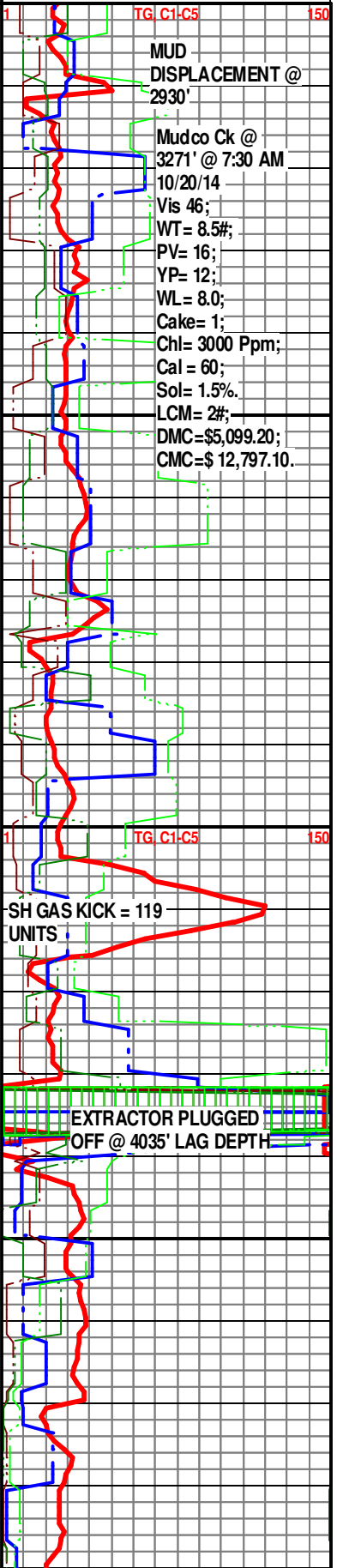
Note: All samples have been lagged to depth by calculated time.

Begin 31' "Kelly Down" Sample Examination @ 4050'.

Ls Wht-Crm-Gry FxIn Med OOM Por Poor Develop Poor Dissolu Poor
 Leaching Grad Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Sh Blk
 Carb-Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Med OOM Por Poor Develop Poor-Med Dissolu Poor
 Leaching Grad Micrite (w/Pyr Includ) Barren Grad Poor Pin-Pt IxIn Por Chalk
 Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Ls Gry-Crm FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad Fair OOM
 Por Poor Develop Poor Dissolu Poor Leaching Chalk Sh Char-
 Gry-Red-Maroon Soft No Odor No Stn No Flor NS



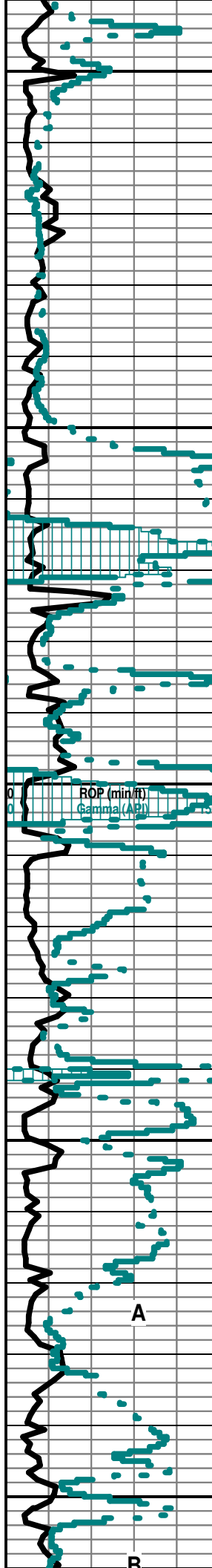
4100

4150

4200

4250

4300



Ls Crm-Tan-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad Tr Poor
 OOM Por Chalk (V Abd) Sh Char-Gry-Drk Gry Soft No Odor No Stn No Flor
 NS

Sh Blk Carb-Char-Gry-Maroon Fissil Ls Crm-Tan FxIn Dns Micrite (w/Pyr
 Includ) Grad Pin-Pt IxIn Por No Odor No Stn No Flor NS

HEEBNER 4198' (- 1373)

Sh Blk Carb-Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad
 Pin-Pt IxIn Por Pyr Mass Chalk No Odor No Stn No Flor NS

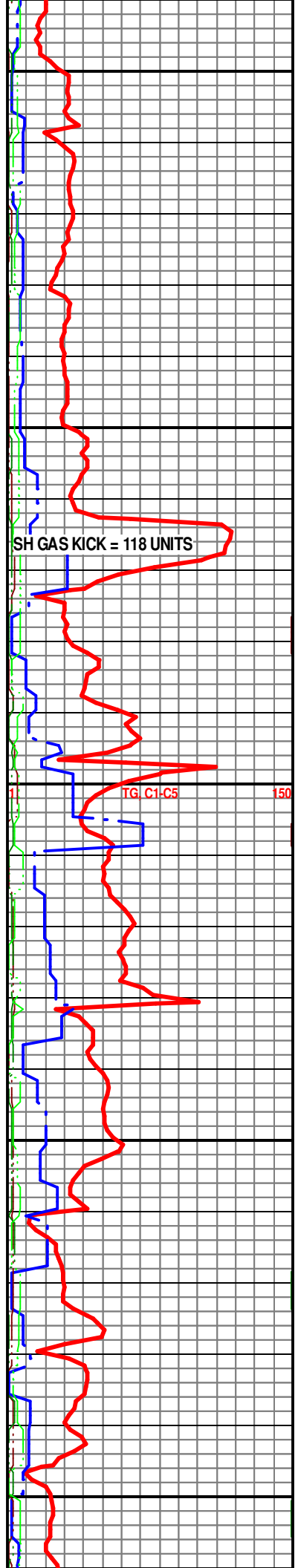
TORONTO 4218' (- 1393)

DOUGLAS 4240' (- 1415)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Crm-Tan-Gry FxIn Dns Micrite Grad
 Pin-Pt IxIn Por Pyr Mass Chalk No Odor No Stn No Flor NS

LANSING 4267' (- 1442)

Ls Wht-Crm-Tan-Gry MicroIxIn Dns Micritic (w/Pyr Includ) Barren Grad Poor
 Pin-Pt IxIn Por Barren Pyr Mass Chalky Sh Char-Gry Soft-Fissil No Odor No
 Stn No Flor NS



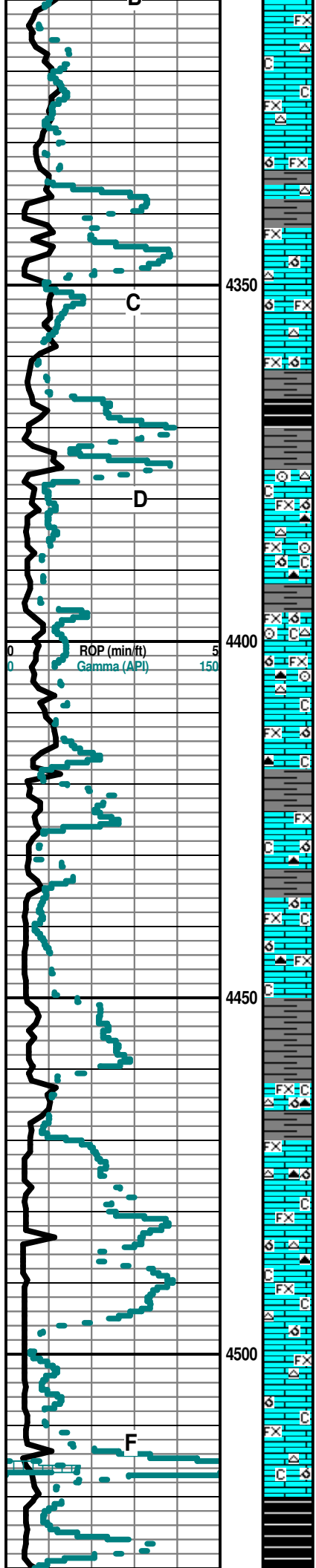
SH GAS KICK = 118 UNITS

TG C1-C5

150

A

B



Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor Pin-Pt Ixln Por Cht
 Amber-Whi-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Fissil Soft No Odor
 No Stn No Flor NS

Sh Blk-Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Gry Fxln Micrite Barren Grad
 Fair-Med Pin-Pt Ixln Por Grad Poor OOM Por Poor InterOOM Por Barren Cht
 Wht-Tan Translu-Op Shp Vit Chalk No Odor No Stn No Flor NS

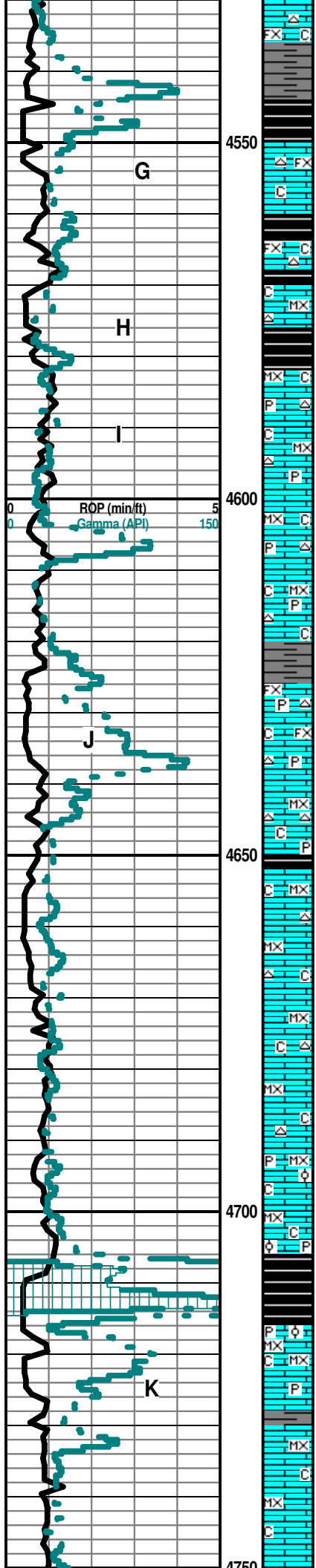
Ls Wht-Crm-Gry Fxln Micrite Barren Grad Fair-Med Pin-Pt Ixln Por Grad Poor
 OOM Por Poor InterOOM Por Barren Chalk Cht Amber- Tan-Gry Translu-Op
 Shp Vit Fos (Crin) Sh Char-Gry-Maroon Fissil-Soft No Odor No Stn No Flor
 NS

Ls Wht-Crm-Tan-Gry Fxln Dns Micrite Poor Ixln Por Barren Cht
 Amber-Whi-Tan Translu-Op Shp Vit Chalky Sh Blk Carb-Char-Gry Fissil No
 Odor No Flor No Stn NS

Ls Wht-Crm-Tan-Gry Fxln Poor OOM Por Poor InterOOM Por Barren Chalk
 Cht Amber-Whi Translu-Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn
 No Flor NS

Sh Char-Gry-Blk Carb Soft-Fissil Ls Crm-Tan-Gry Fxln Dns Micrite Poor Ixln
 Por Barren Cht Wht-Tan (w/OOid Includ)Gry Translu-Op Shp Vit Chalky No
 Odor No Flor No Stn NS

TG C1-C5 150



LANSING "G" 4550' (- 1725)

Ls Crm-Tan-Gry Fxn Dns Micrite Poor Ixln Por Barren Cht Wht- Gry
 Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry Soft-Fissil No Odor No Flor
 No Stn NS

Ls Wht-Crm-Tan Microxln Dns Micrite (w/Pyr Inklus) Chalky Cht Gry-Tan
 Translu-Op Shp Vit Sh Char-Gry Soft No Odor No Flor No Stn NS

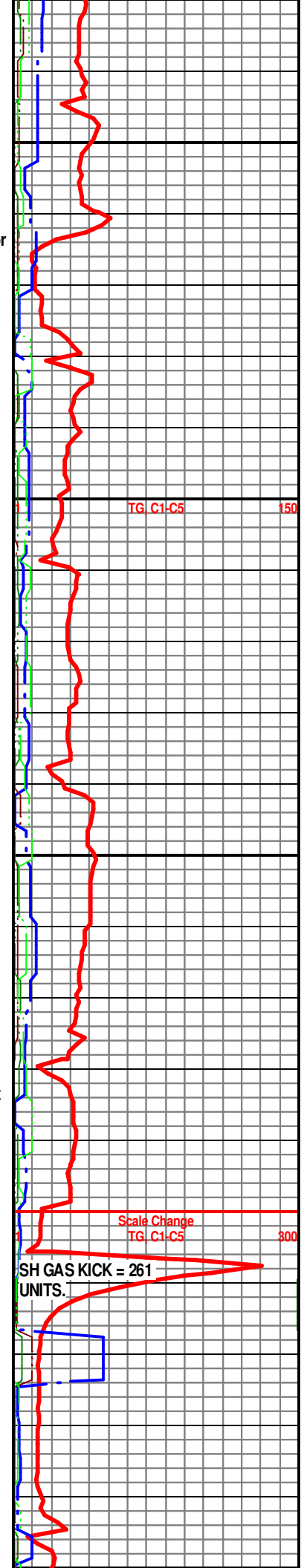
Ls Wht-Crm-Tan Microxln Dns Micrite (w/Pyr Inklus) Chalky Cht Gry-Tan
 Translu-Op Shp Vit Sh Blk Carb-Char-Gry Soft No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Microxln Dns Micrite Cht Gry Op Shp Vit Sh Char- Gry Soft
 Chalky No Odor No Stn No Flor NS

STARK SHALE 4706' (- 1881)

KANSAS CITY "SWOPE" (K) 4716' (-1891)

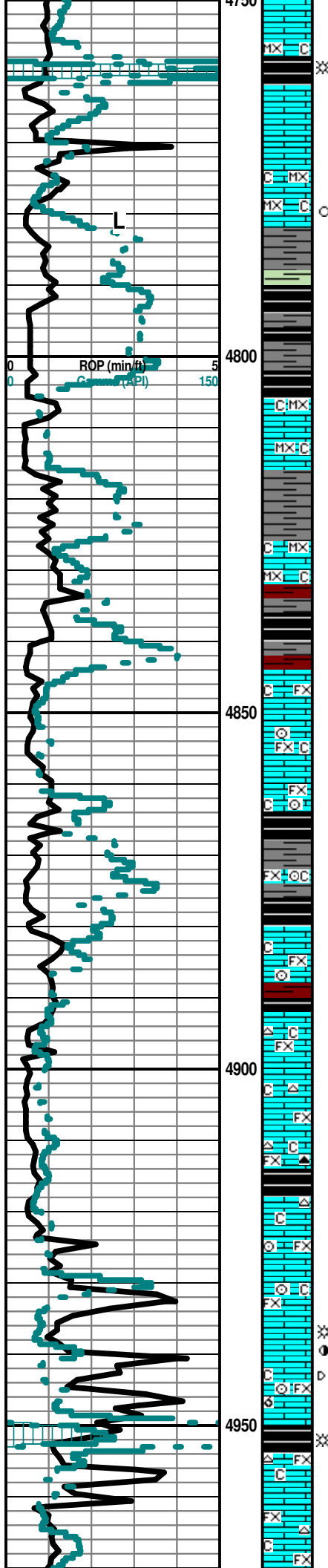
Sh Blk Carb-Char Fissil (w/SG) V Abd Ls Wht-Crm-Tan-Brn Microxln Dns
 Micrite (w/Pyr Inklus) Grad Poor OOM Por (w/Small OOids in pl) Poor
 Develop Poor Leaching Pyr Mass Chalky No Odor No Stn No Flor SG



TG C1-C5 150

Scale Change
 TG C1-C5 300

SH GAS KICK = 261
 UNITS.



HUSHPUCKNEY SHALE 4759' (- 1934)

KANSAS CITY "HERTHA (L)" 4762' (- 1944)

Sh Blk Carb Fissil (V Abd) (w/GSG) Ls Wht-Crm-Tan MicroIn Dns Micrite Chalk No Odor No Stn No Flor NS

KANSAS CITY "HERTHA Ø" 4774' (-1949)

Sh Blk Carb-Char-Gry Fissil V Abd Ls AA Chalky No Odor No Stn No Flor NS

MARMATON 4844' (- 2019)

Sh Blk Carb-Char-Gry-Red Soft-Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Grad FxIn Chalk No Odor No Flor No Stn NS

MARMATON "B" 4880' (- 2055)

Sh Blk Carb-Char-Gry- Maroon-Aqua Soft-Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Grad FxIn Fos (Crin) V Abd Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Gry FxIn Poor IxIn Por Micritic Dns Barren Cht Amber-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Micrite Grad Fair Pin-Pt IxIn Por (w/Chalky Inklus) SSG & SSO (Drk Blk w/Broken Under Heat in Wtr) Both Oil & Gas Do Not Flor Grad Tr Poor OOM Por Barren Fos (Crin) Sli Faint ? Odor SSG & SSO

BANDERA SHALE 4950' (- 2125)

PAWNEE 4954' (- 2129)

? GAS KICK = 89 UNITS

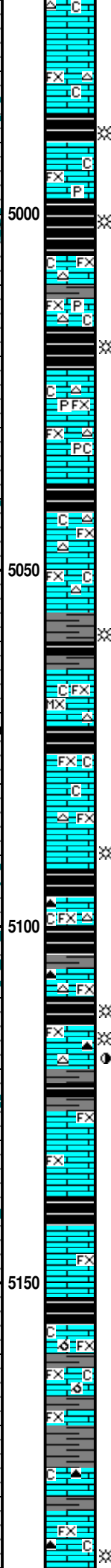
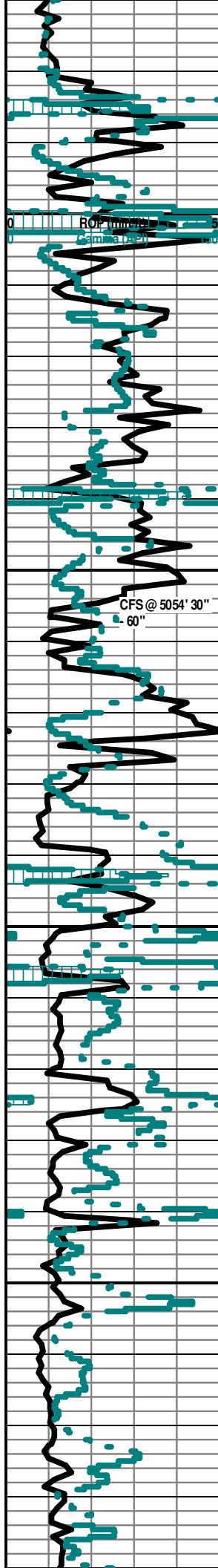
TG C1-C5 300

@ 4892' LAG DEPTH GAS TEST EXTRACTOR = 72 UNITS OBSERVED.

Scale Change TG C1-C5 300

RE-ZERO TOOKE DAQ @ 4940' LAG DEPTH. BKGD GAS SET AT 12 UNITS,

TOOKE DAQ LEFT ON TEST PORT FROM



Sh Blk Carb-Char-Gry Fissil Ls Crm-Wht Fxln Poor Ixln Por Micritic Dns
 Barren Cht Amber Translu Shp Vit Chalk Sh Char-Gry Fissil No Odor No
 Flor No Stn NS

LABETTE SHALE 4986' (- 2161)

FORT SCOTT 4990' (-2165)

CHEROKEE SHALE 5000' (- 2175)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Wht Fxln Poor Ixln Por Micritic Dns
 Barren Chalk No Odor No Flor No Stn NS

SECOND CHEROKEE SHALE 5038' (- 2213)

30" CFS @ 5054' Sh Blk Carb-Gry Fissi Ls Wht-Crm Fxln Poor Ixln Por
 Micritic Dns (w/Pyr Includ) Barren Chalk Cht Amber Op Shp Vit I No Odor No
 Flor No Stn NS

60" CFS @ 5054' Ls Wht-Crm Fxln Poor Ixln Por Micritic Dns (w/Pyr Includ)
 Barren Chalk Cht Amber Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor
 No Stn NS

Sh Blk Carb (w/SG)-Char-Gry Fissil Ls Wht-Crm-Tan MicroIn-Fxln Poor Ixln
 Por Micritic Dns Barren Chalk Wht Soft No Odor No Flor No Stn NS

THIRD CHEROKEE SHALE 5092' (- 2267)

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

Ls Crm Fxln Poor Ixln Ppt Por (w.Chalk Includ) (w/SSG & SSO)
 Cht-Wht-Amber Op Shp Vit Sh Blk Carb-Gry Fissil Faint Odor No Flor Lt Bm
 Stn (6 Pcs) VSSG & VSSO

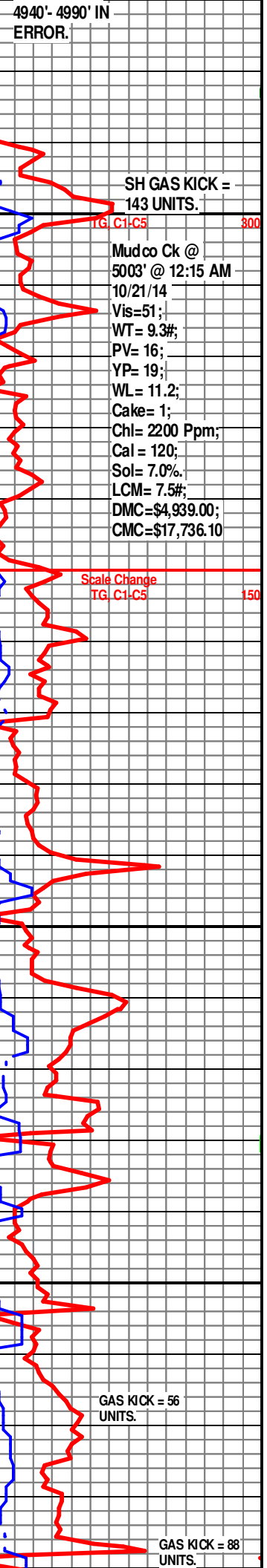
Begin 10' Sample Examination @ 5200'.

Sh Char-Gry-Tr Blk Carb Fissil Abd Ls Crm-Wht-Tan Fxln Poor Ixln Por
 Micritic Dns Barren Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Grad Poor OOM Por
 (w/Small OOids in pl) Poor Dissolu Poor Leaching Chalk Sh Char-Gry-Tr Blk
 Carb Fissil No Odor No Flor No Stn NS

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

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



4940' - 4990' IN
 ERROR.

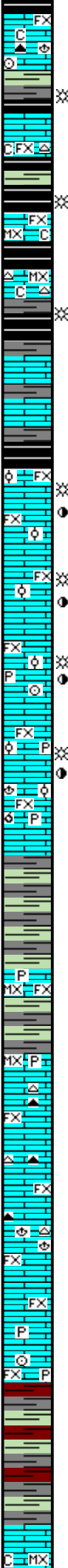
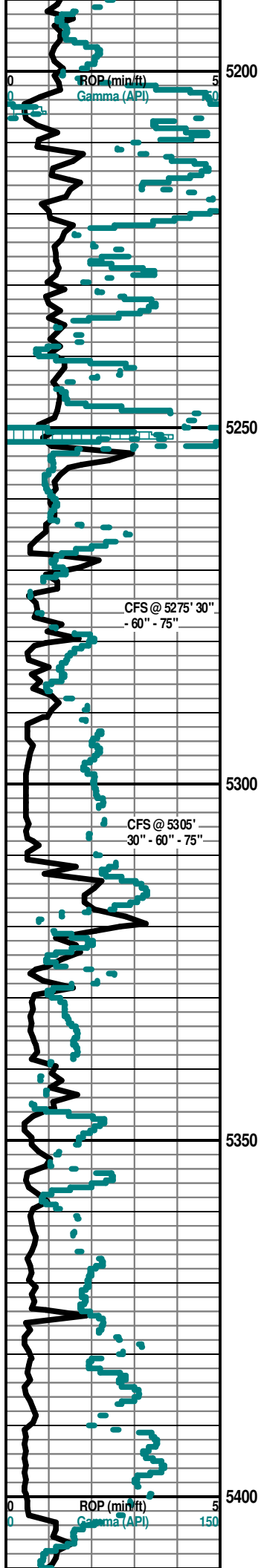
SH GAS KICK =
 143 UNITS.

Mudco Ck @
 5003' @ 12:15 AM
 10/21/14
 Vis=51;
 WT= 9.3#;
 PV= 16;
 YP= 19;
 WL= 11.2;
 Cake= 1;
 Chl= 2200 Ppm;
 Cal = 120;
 Sol= 7.0%
 LCM= 7.5#;
 DMC=\$4,939.00;
 CMC=\$17,736.10

Scale Change

GAS KICK = 56
 UNITS.

GAS KICK = 88
 UNITS.



Ls Crm-Wht-Ian FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Drk Blk-Wht Op Shp Vit Fos (Brach, Crin) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

ATOKA SHALE 5204' (- 2379)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Crm-Wht-Tan MicroIn-FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Lt Gry Op Shp Vit No Odor No Flor No Stn NS

Sh Blk Carb-Char-Grn/Gry Fissil-Soft Ls Crm-Wht-Tan MicroIn- FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Lt Gry-Amber Translu-Op Shp Vit No Odor No Flor No Stn NS

Sh Blk Carb-Char-Grn/Gry Fissil-Soft Ls Crm-Wht-Tan MicroIn- FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Lt Gry-Amber Translu-Op Shp Vit Fos No Odor No Flor No Stn NS

30" CFS @ 5275' Sh Char-Gry-Blk Carb Soft-Fissil Ls Crm-Wht-Tan MicroIn-FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Wht Op Shp Vit No Odor No Flor No Stn NS

MORROW SHALE 5248' (- 2423)

MISSISSIPPIAN CHESTER 5254' (- 2429)

60" CFS @ 5275' Ls Crm-Tan FxIn Fair-Med OOL Vug Por (w/Small-Med OOids in pl) Grad Med-Good IxIn Pin-Pt Por (V Soft & Frac Por) Med SG & SO (Gas & Oil Do Not Flor) (MSG & MSFO w/Broken In Wtr Under Heat & SFO in tray) V Faint ? Odor Drk Brn Stn (on OOid Edges) No Flor MSG & MSO

75" CFS @ 5275' Ls Crm-Tan FxIn Fair-Med OOL Vug Por AA Grad Med-Good IxIn Pin-Pt Por AA Med SG & SO (Gas & Oil Do Not Flor Faint ? Odor Drk Brn Stn No Flor GSG & GSO

60" CFS @ 5305' Ls Crm-Tan FxIn (w/Pyr Inclus) Fair OOL Vug IxIn & Fos Por (w/Small OOids in pl) Fair Dissolu Fair Leaching Fos (Crin) Friable Pyr Mass SG & SFO AA ? Sli Odor Lt Brn Stn No Flor SSG & SSO

75" CFS @ 5305' Ls Crm-Tan FxIn Fair-Med OOL Vug Por (w/Small OOids in pl) Grad Fair IxIn Pin-Pt Por (w/Pyr Inclus) Grad Poor Vug OOM Por (w/SSG & SSO) Fair InterOOM Por Fos (Brach) Sh Blk Carb-Char-Aqua Fissil Inc. ? Faint Odor Fair Sat Stn (Lt Brn) No Flor FSG & SSO

Sh Char-Gry-Drab Grn-Blk Carb Fissil Ls Wht-Crm-Gry MicroIn- FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Streaks Pyr Inclus) Pyr Mass No Odor No Flor NS

Sh Char-Gry-Drab Grn-Blk Carb Fissil Ls Wht-Crm-Gry MicroIn- FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Streaks Pyr Inclus) Pyr Mass No Odor No Flor NS

Sh Char-Gry-Drab Grn-Blk Carb Fissil Ls Wht-Crm-Gry MicroIn- FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Streaks Pyr Inclus) Pyr Mass No Odor No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Fos (Brach) Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

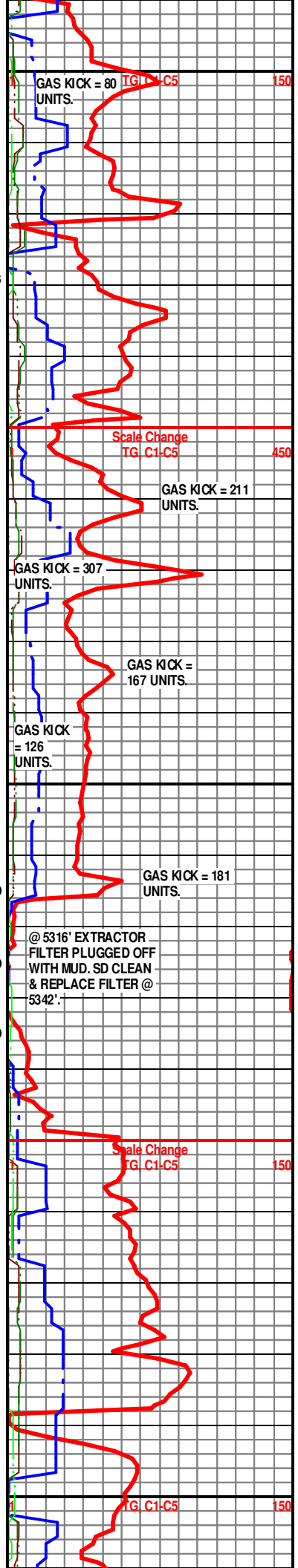
Ls Wht-Crm-Gry FxIn Dns Micrite (w/Pyr Inclus) Grad Fair Pin-Pt IxIn Por Sh Char-Gry-Drab Grn-Blk Carb-Aqua Fissil No Odor No Flor NS

Ls Wht-Crm-Gry FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por Fos (Crin) Pyr Mass Sh Char-Gry-Drab Grn-Blk Carb-Aqua Fissil No Odor No Flor NS

Sh Char-Gry-Drab Grn-Blk Carb-Maroon-Red-Aqua (Wash Red) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por No Odor No Flor NS

LOWER CHESTER 5404' (-2579)

Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxIn-MicroIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS



Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA
FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA
FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

MISSISSIPPIAN "Ste. GEN" 5440' (- 2615)

Ls Wht-Lt Aqua (in Aqua CaCo3 Matrix) FxIn Poor OOL Por (w/V Small
OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroxIn Dns Micritie
Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor
No Stn NS NS

Ls Wht-Gry (w/CaCo3 Matrix) FxIn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls"
Friable Grad Dolo Gry MicroxIn Dns Micritie Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon
Soft- Fissil No Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Chalk Sh Char-Blk Carb-Gry-Grn- Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS
NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Chalk Sh Char-Blk Carb-Gry-Grn- Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS
NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Cht Wht Op Shp Vit Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No
Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Cht Drk Brown (Banded w/Spicule Incls) Translu-Op Shp Vit Chalk Sh Char-Blk
Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) AA Grad Micritic Cht
Wht Op Shp Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon
Soft- Fissil No Odor No Flor No Stn NS NS

GAS KICK =
68 UNITS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor OOL
IxIn Ppt Por Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor OOL
IxIn Ppt Por Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad
Micritic Cht Wht Op Shp Vit Chalk Sh Varicolored Char-Blk
Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

GAS KICK =
42 UNITS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

MISSISSIPPIAN "ST. LOUIS Ø" 5564' (- 2739)

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

GAS KICK =
60 UNITS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/Small-Med
OOids in pl) Friable Grad Med OOL Por Cht Wht-Peach Translu-Op Shp Vit Chalky Sh Char-Blk
Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por
(w/Small-Med OOids in pl) Friable Grad Med OOL Por Cht Peach Translu-Op
Shp Vit Chalky Sh Char-Blk Carb-Gry-Aqua Fissil No Odor No Stn No Flor
NS

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Gry (w/Fos
(Crin) incls) Poor-Fair InterOOL Por (w/V Small-Med OOids in pl) Friable Cht
Wht Op Shp Vit (w/Tr Gillsontic "Dead" Blk Stn Sh Char-Blk Carb-Aqua-Gry
Fissil No Odor No Stn No Flor NS

TG C1-C5

150

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair
InterOOL Por (w/V Small-Med OOids in pl) Friable Sh Char-Blk Carb-Drab
Grn Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Gry (w/OOL
incls) Poor-Fair InterOOL Por (w/V Small-Med OOids in pl) Friable Cht Op
Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

5450

5500

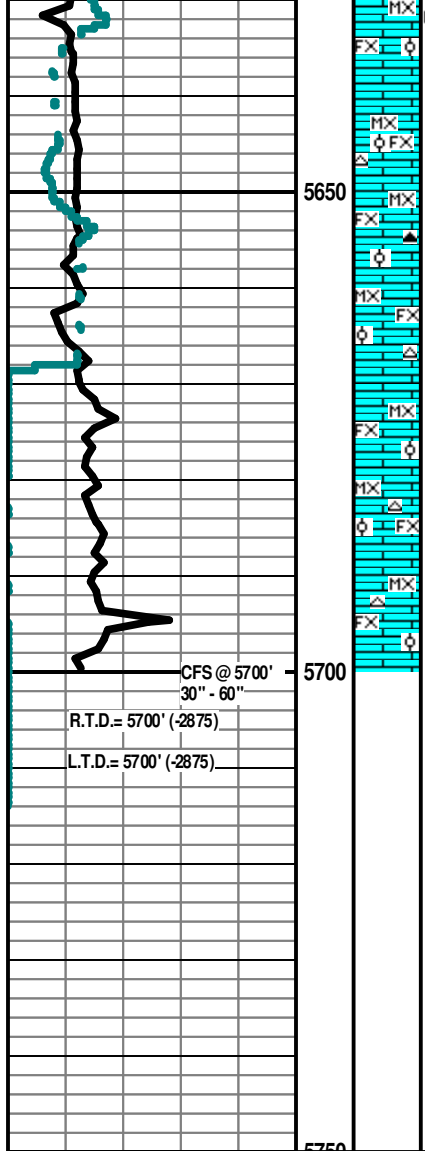
5550

5600

ROP (min/ft)
Gamma (API)

5

150



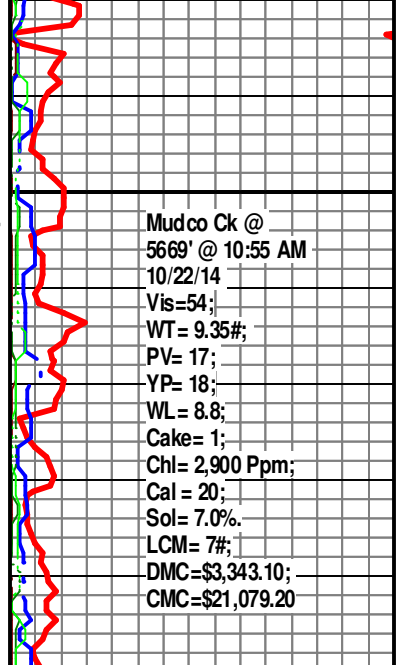
Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair InterOOL Por (w/V Small OOids in pl) Friable Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair InterOOL Por (w/V Small OOids in pl) Friable Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable Cht Amber Translu Shp Vit Pyr Mass Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

30" CFS @ 5700' Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable (w/Lg Indiv OOid in pl) Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua- Gry Fissil No Odor No Stn No Flor NS

60" CFS @ 5700' 60" CFS @ 5700' Ls Crm-Gry-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable (w/Lg Indiv OOid in pl) Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS



Mudco Ck @
 5669' @ 10:55 AM
 10/22/14
 Vis=54;
 WT= 9.35#;
 PV= 17;
 YP= 18;
 WL= 8.8;
 Cake= 1;
 Chl= 2,900 Ppm;
 Cal = 20;
 Sol= 7.0%
 LCM= 7#;
 DMC=\$3,343.10;
 CMC=\$21,079.20

CFS @ 5700'
 30" - 60"
 R.T.D.= 5700' (-2875)
 L.T.D.= 5700' (-2875)

Electric Logs Run: By RECON Logging: Dual Induction; Compensated Density- Neutron; & Microresistivity Logs.

Geologist Left Location At: 12:30 PM on 10/23/2014

ALLIED OIL & GAS SERVICES, LLC 061663

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal KS #21

DATE <u>10-18-14</u>	SEC <u>8</u>	TWP. <u>30S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 AM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Wittaker A</u>		WELL # <u>1-8</u>	LOCATION <u>Sublette KS 83d 1900r 13 mi east on</u>		COUNTY <u>Meade</u>	STATE <u>KS.</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>1900r to stop sign, 1.75 mi south, East into</u>					

CONTRACTOR Sterling #2
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1827
CASING SIZE 8 5/8 24# DEPTH 1824
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT 41
CEMENT LEFT IN CSG. 2.6 BBL
PERFS. _____
DISPLACEMENT 113.5 BBL

OWNER _____
CEMENT
AMOUNT ORDERED 675 SF Class A, 65/35/6 gel
37 cc, 1/4# FloSeal
200 SF Class A Neat, 37 cc, 1/4# FloSeal
COMMON 200 SF @ 17.90 3,580.00
POZMIX @ _____
GEL @ _____
CHLORIDE 2326 #/p @ 1.10 2,558.60
ASC @ _____
ALWC Class A 675 @ 19.88 13,419.00
FloSeal 219 @ 2.97 650.43
@ _____
@ _____
@ _____
@ _____
@ _____
HANDLING @ _____
MILEAGE @ _____

EQUIPMENT
PUMP TRUCK CEMENTER Aldo Espinoza / Cesar Javia
903-521 HELPER Cesar Javia / Aldo Espinoza
BULK TRUCK _____
994-642 DRIVER Heriberto Valenzuela
BULK TRUCK _____
956-841 DRIVER (Josc) Andres Zubia

REMARKS:

6062.41 / 30% TOTAL 20,208.03

SERVICE

DEPTH OF JOB _____
PUMP TRUCK CHARGE 2213.75
EXTRA FOOTAGE LVM 40 @ 4.40 176.00
MILEAGE HUM 40 @ 7.70 308.00
MANIFOLD 1 @ 275.00 275.00
Handling 994.36 @ 2.48 2,466.02
Drayage 1671.86 @ 2.75 4,597.62
3010.92 / 30% TOTAL 10,036.39

PLUG & FLOAT EQUIPMENT

Guide shoe 1 @ 460.00 460.00
AEU insert F valve 1 @ 447.00 447.00
stop collar 1 @ 56.00 56.00
centralizer 5 @ 75.00 375.00
Top Rubber plug 1 @ 131.00 131.00
1440.70 / 30% TOTAL 1,469.00

SALES TAX (If Any) _____
TOTAL CHARGES 31,713.42
DISCOUNT 9514.03 / 30% IF PAID IN 30 DAYS
Net - 22199.39

CHARGE TO: Mc Coy Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME Clain Mikkelsen
SIGNATURE [Signature]

ALLIED OIL & GAS SERVICES, LLC 061708

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberals MS

DATE <u>10-23-14</u>	SEC <u>B</u>	TWP <u>30S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>4:30 p.m.</u>	JOB START <u>8:00</u>	JOB FINISH <u>9:00 p.m.</u>
LEASE <u>Whitaker</u>	WELL # <u>1-1B</u>	LOCATION <u>Ver Copeland MS</u>	COUNTY <u>Moade</u>	STATE <u>MS</u>			

CONTRACTOR Sterling

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5700

CASING SIZE 5 1/2 DEPTH 5701

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 4263

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 134661

OWNER

CEMENT

AMOUNT ORDERED 175sk Class A 6# Salt 27 bagel
S.S. 60/40 seal 5# Kpl seal 1.5% FL-160
50sk 60/40 4% 271

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC (A)	@	<u>175sk</u>	<u>2350</u>
<u>Allied 60/40 4% 50sk</u>	@	<u>18.92</u>	<u>4112.50</u>
<u>no seal 875#</u>	@	<u>98</u>	<u>946.00</u>
<u>FL-160 837#</u>	@	<u>18.92</u>	<u>857.50</u>
<u>CC Spacer 10661</u>	@	<u>225.00</u>	<u>1868.70</u>
	@		
	@		
	@		
	@		

EQUIPMENT

PUMP TRUCK CEMENTER Lenny Bacz

549-550 HELPER Alex (Cora Victor)

BULK TRUCK

705-1642 DRIVER Ricard Estrada

BULK TRUCK

DRIVER

REMARKS:

2920.41 / 30% TOTAL 974.70

SERVICE

DEPTH OF JOB 5001-6000

PUMP TRUCK CHARGE 3099.25

light vehicle 50 @ 4.40 220.00

MILEAGE 50 @ 7.10 355.00

MANIFOLD @ 275.00

Handling 283.75 @ 2.46 703.10

Drayage 483.26 @ 2.75 1328.97

1803.58 / 30% TOTAL 6019.2

CHARGE TO: McCoy Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>AFU Float Shop</u>	@	<u>545.00</u>
<u>Catch down Plug</u>	@	<u>60.00</u>
<u>turbolizers 6</u>	@	<u>95.00</u>
	@	<u>570.00</u>
	@	
	@	
	@	
	@	
	@	
	@	
<u>532.50</u>	<u>30%</u>	
	TOTAL	<u>1775.00</u>

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SALES TAX (If Any) _____

TOTAL CHARGES \$17,521.62

DISCOUNT 5256.49 30% IF PAID IN 30 DAYS

Net \$ 12,265.13

PRINTED NAME Dave Oller

SIGNATURE Dave Oller