



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1222664
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: _____

1222664

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
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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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	Mai Trust 1
Doc ID	1222664

All Electric Logs Run

Compensated Density/Neutron
Dual Induction
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	Mai Trust 1
Doc ID	1222664

Tops

Name	Top	Datum
Heebner	4102	-435
Lansing	4152	-485
Base Kansas City	4506	-839
Marmaton	4545	-878
Cherokee	4690	-1023
Morrow Shale	4910	-1243
Keyes Lime	5012	-1345
Mississippi	5090	-1423

ALLIED OIL & GAS SERVICES, LLC 064093

Federal Tax I.D. # 20-3651475

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

SERVICE POINT: 02/10/19

DATE <u>9-6-19</u>	SEC. <u>26</u>	TWP. <u>13</u>	RANGE <u>41</u>	CALLED OUT	ON LOCATION <u>1:00 pm</u>	JOB START <u>2:30 pm</u>	JOB FINISH <u>3:30 pm</u>
LEASE <u>Mari Trust</u>		WELL# <u>1</u>		LOCATION <u>Sharn Springs SW, Sinto</u>		COUNTY <u>Wallace</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Merrill 22
 TYPE OF JOB P/A
 HOLE SIZE 7 7/8 T.D. 3200'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 2860'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 32.71 bbl

OWNER Some.
 CEMENT
 AMOUNT ORDERED 255 sacks @ 24/40
470 gel 14 #100-seal
 COMMON 153 SF @ 17.70 2702.70
 POZMIX 102 SF @ 9.35 953.70
 GEL 877 # @ .50 438.50
 CHLORIDE _____ @ _____
 ASC _____ @ _____
Flo-seal 64 # @ 2.97 190.68
Material Total 4320.98
 HANDLING 273.87 SF @ 2.48 679.20
 MILEAGE 11.44 hrs @ 60x 2.73 1897.60

EQUIPMENT
 PUMP TRUCK CEMENTER Lakane Ewanta
 # 422 HELPER Wayne McShigley
 BULK TRUCK # 810/287 DRIVER Ramiro Zavala (GWS)
 BULK TRUCK # _____ DRIVER _____

REMARKS:
Mix 50 SF cement 2860'
Mix 100 SF " 1860'
Mix 50 SF " 340'
Mix 10 SF cement 40' w/ plug
Mix 15 SF M.C.
Mix 30 SF R.R.

CHARGE TO: White Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____
 SERVICE
 DEPTH OF JOB 2860'
 PUMP TRUCK CHARGE _____ 2483.57
 EXTRA FOOTAGE _____ @ _____
 MILEAGE MTH 60 @ 7.70 462.00
 MANIFOLD _____ @ _____
MFLD 60 @ 4.40 264.00
(1095.28/20%) TOTAL 5147.639

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 Sammy [Signature]
 SIGNATURE _____

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES 9,797.37
 DISCOUNT 1,959.47/20% IF PAID IN 30 DAYS
7,837.89 Net

ALLIED OIL & GAS SERVICES, LLC 064086

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dakota, KS

DATE <u>8-29-14</u>	SEC. <u>26</u>	TWP. <u>13</u>	RANGE <u>41</u>	CALLED OUT	ON LOCATION <u>11:00am</u>	JOB START <u>11:00am</u>	JOB FINISH <u>12:30pm</u>
LEASE <u>Metast</u>	WELL# <u>1</u>	LOCATION <u>Skaron Springs, Sw 51st</u>			COUNTY <u>Wallace</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Martin 22
TYPE OF JOB Surface
HOLE SIZE 17 1/2 T.D. 515
CASING SIZE 13 3/8 DEPTH 2, 86'
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 15'
PERFS. _____
DISPLACEMENT 47.9 bbl

OWNER Same
CEMENT
AMOUNT ORDERED 5605K Com 3%CC
Y4 # 96-500

EQUIPMENT
PUMP TRUCK CEMENTER Barbara E. Ward
422 HELPER Wayne McGhiey
BULK TRUCK
818/287 DRIVER George Grant
BULK TRUCK
_____ DRIVER _____

COMMON 3000 @ 17.90
POZMIX @ _____
GEL @ _____
CHLORIDE 8405# @ 1.10
ASC @ _____
96-500 73# @ 2.97
Material @ _____
(1304.61/200) @ _____
554.67442 @ 2.48 1372.58
HANDLING @ _____
MILEAGE 70 X 60 X 2.95 =
25.24 TOTAL 4164.60

REMARKS:
300
Mix 300 SKS cement
Displace with water
cement dip circulate
859K tapir

SERVICE
DEPTH OF JOB 286'
PUMP TRUCK CHARGE 1312.25
EXTRA FOOTAGE @ _____
MILEAGE MILE 60 @ 7.70 462.00
MANIFOLD Swagge @ _____
MILE 60 @ 4.90 294.00
waiting time 9 hrs @ 490.00 3520.00
(2314.68/200) TOTAL 11,373.43

CHARGE TO: White Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

TOTAL _____

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 18096.78
DISCOUNT 3,419.35 (20%) IF PAID IN 30 DAYS
14,677.42 Net.

PRINTED NAME _____
SIGNATURE _____

Andrew White

Petroleum Geologist

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

Well Name: Mai Trust #1
Location: 26-13S-41W
License Number: API: 15-199-20417
Spud Date: 08/29/14
Surface Coordinates: 1980' FSL, 587' FWL

Region: Wallace Co, KS
Drilling Completed: 09/05/14

Bottom Hole
Coordinates:
Ground Elevation (ft): 3656 K.B. Elevation (ft): 3667
Logged Interval (ft): 3800 To: 5200 Total Depth (ft): 5200
Formation: Mississippian
Type of Drilling Fluid: Chemical

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

OPERATOR

Company: White Exploration, Inc.
Address: 1635 N. Waterfront Pkwy, St. 100
Wichita, KS 67206

GEOLOGIST

Name: Andrew White
Company: White Exploration, Inc.
Address: 1635 N. Waterfront Pkwy, St. 100
Wichita, KS 67206

Remarks

Due to the lack of shows in the samples, and log calculations, the Mai Trust #1 will be plugged and

General Info

Drilling Contractor: Murfin Drilling Rig 22

Logs: Nabors
Compensated Density/Neutron, Dual Induction, Micro, Sonic

Drilling Mud: Mudco/Service Mud, Inc.

Surveys: 4.1@ 515', 1@ 250, 2.6@ 375', 3.3@ 363', 2.5@ 623', 1.9@ 748', 1.4@ 1209', 1.2@ 1511', .4@ 2011', 1.4@ 2502', .4@ 3011', .2@ 3784', .4@ 4012', .7@ 4331, 1.25@ 5200

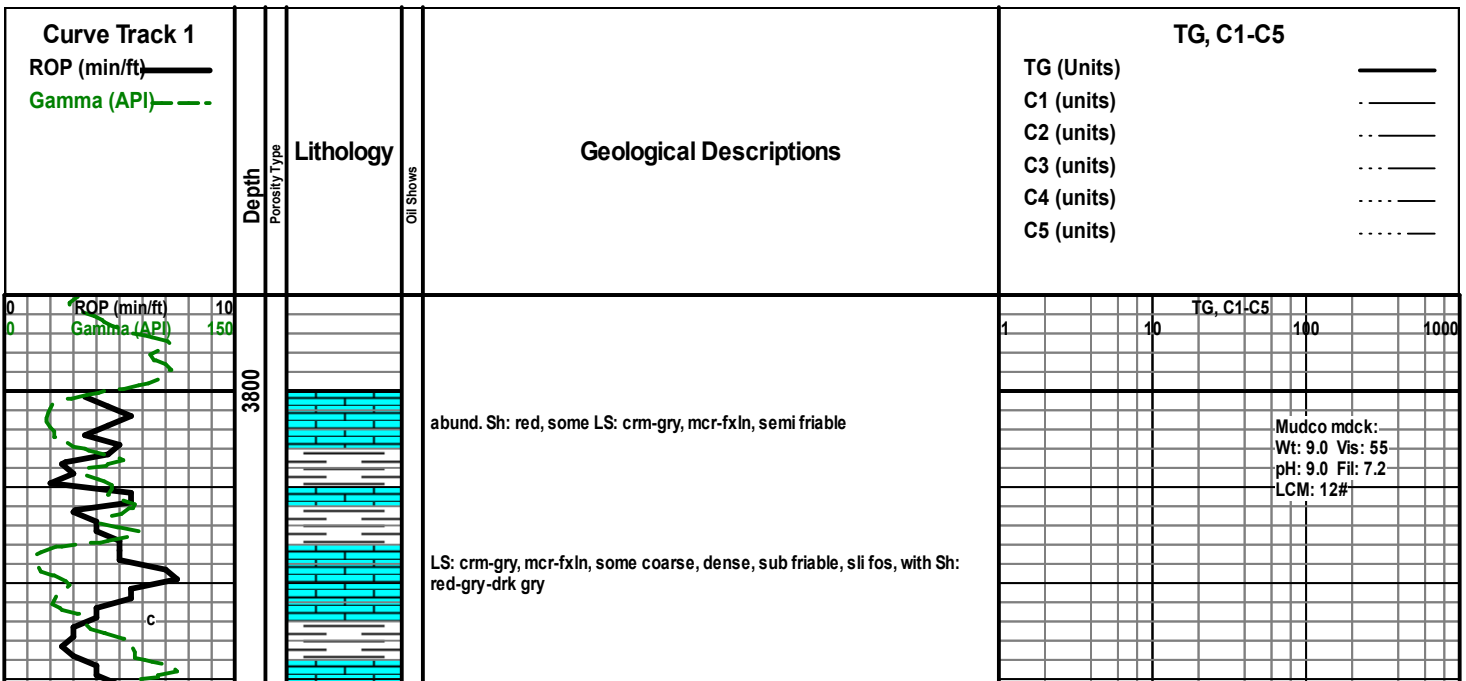
Daily Status

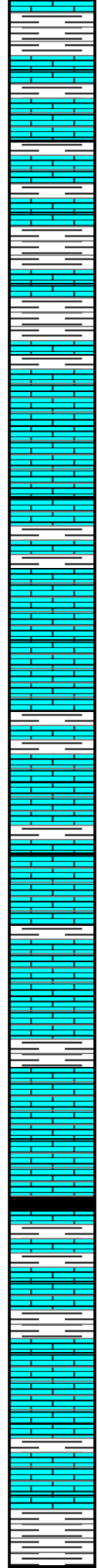
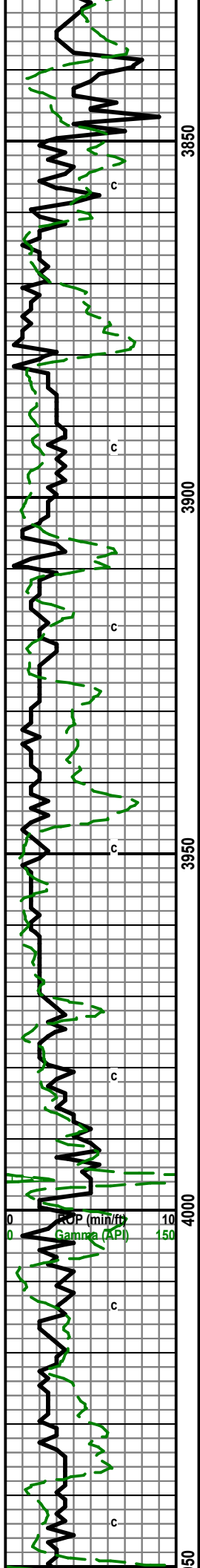
08/29/14: Spud Well, drill to 515'
 08/30/14: run surface casing to 286', 7 joints 13-3/8" 54.5#, set @286' cemented with 300 sacks of Common Cement with 3% CC
 08/31/14: Drilling @ 635'
 09/01/14: Drilling @2820'
 09/02/14: Drilling @3803'
 09/03/14: Making bit trip @4331,
 09/04/14: Drilling @ 4635'
 09/05/14: Drilling @ 5025'
 09/06/14: RTD 5200, Logging

Mai Trust #1 1980' FSL, 587' FWL 26-13S-41W KB: 3667					Oxy Robben A-1 SW-SW-NE 21-13S-41W KB: 3649 Structural Relationship			Bradley and Shaw Pearce #1 NE-SE 2-14S-41W KB: 3634 Structural Relationship		
Formation	Sample	Sub-Sea	Log	Sub-Sea	Sample	Log	Sample	Log	Sample	Log
Heebner	4104	-437	4102	-435	13	15			11	13
Lansing	4152	-485	4152	-485	18	18			22	22
BKC	4506	-839	4506	-839	22	22			23	23
Marmaton	4529	-862	4545	-878	19	3			22	6
Cherokee	4688	-1021	4690	-1023	20	18			17	15
Morrow	4906	-1239	4910	-1243	30	26			26	22
Keyes	5010	-1343	5012	-1345	22	20			53	51
Mississippi	5078	-1411	5090	-1423	28	16			37	25

ROCK TYPES

LITHOLOGY 		STRINGER 				OIL SHOW
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Sh: gry-drk gry, some red, some LS: crm-gry, mcrxln, dense,

LS: crm, mcr-fxln, sandy, sli chalky, with Sh: gry-drk gry

LS: A.A., with Sh: drk gry-gry-red

LS: crm-tan, some gry, mcr-fxln, some sandy, sli fos, dense, Sh: lt gry-gry-drk gry

LS: tan-gry, mcrxln, some fxln, sli fos, sli chalk

LS: tan-gry, mcrxln, sli chalky, some Sh: lt gry-gry

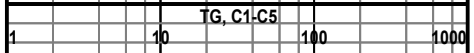
LS: tan-crm, mcrxln, some fxln, sli chalky, some Sh: A.A.

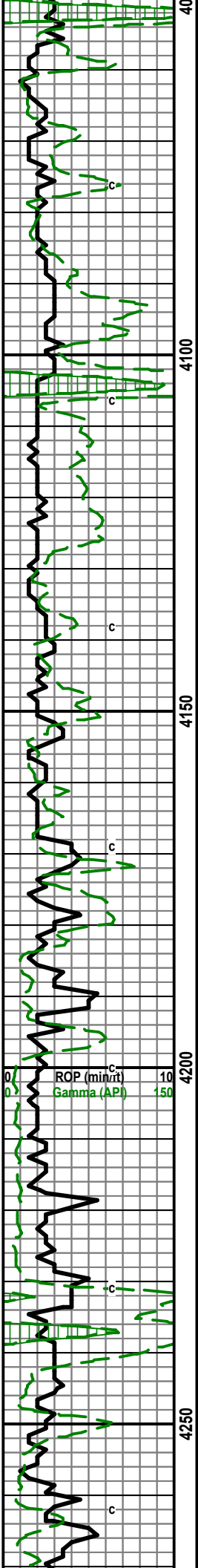
LS: crm-tan, fxln, sli fos, sli chalky, dense, some Sh: A.A. with some blk

LS: crm, mcr-fxln, sli fos, sli chalky, Sh: gry-drk gry-blck

LS: tan-crm, fxln, fos, Sh: gry-lt gry

Mostly Sh: gry-lt gry, some drk gry-red-grn, some LS: crm-tan, mcr-fxln, friable





Mostly Sh: A.A. some LS: crm, some gry, mcrxln, some fxln, dense, sub friable

LS: crm-gry, mcr-fxln, friable, some silty Sh: lt gry

LS: crm-tan, mcrxln, some fxln, dense, Sh: blk-drk gry

Heebner: 4104 (-437)

LS: tan-crm, mcrxln, chalky, Sh: A.A. with some lt gry

LS: crm-tan, some gry, mcr-fxln, chalky, sli fos

Lansing: 4152 (-485)

LS: crm, some tan, mcrxln, few fxln, chalky, sli fos, Sh: gry-drk gry

LS: crm-tan, mcrxln, sli chalky dense,

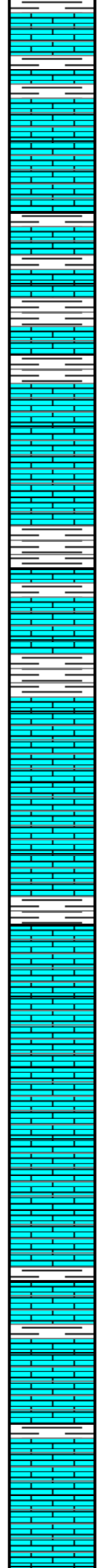
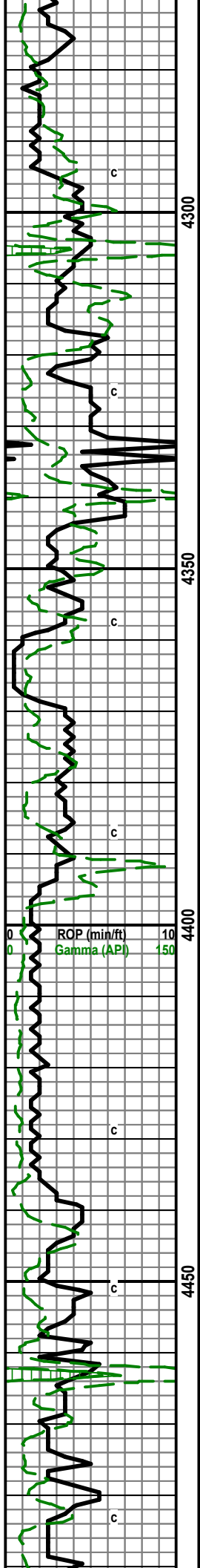
LS: crm, mcrxln, sli cherty, chalky, Sh: lt gry-rd

TG, C1-C5
1 10 100 1000

LS: crm-tan, mcrxln, some fxln, sli chalky, sli cherty

LS: tan-crm, mcrxln, cherty, Sh: drk gry-gry

LS: crm-tan, mcrxln, some fxln, Sh: drk gry-gry



LS: crm, mcrxln, sli chalky, sli cherty, Sh: A.A.

LS: crm, some gry, mcr-fxln, dense, Sh: gry-drk gry, some blk and gm

Mudco mdck:
Wt: 9.3 Vis: 52
pH: 9.0 Fil: 9.6
LCM: 10#

Sh: drk gry-gry-gm, some LS: crm, mcrxln

Sh: A.A. w/ LS: crm, mcrxln, cherty

Bit Trip 4331, rough drilling, pulled PDC, switched to button, geograph not working for few feet

Sh: A.A. w/ LS: crm, mcr-fxln, some gran, some chl

Sh and LS: A.A.

LS: crm-tan-bm, mcr-fxln, sli fos, ool, few pieces with pr-fr vug por

LS: A.A.

LS: tan-crm, mcr-fxln, few pieces ool with fr vug por, sli fos, dense

LS: crm-gry-tan, mcrxln, some fxln, few pieces ool with fr vug por, some chalk, pyrite, some Sh: drk gry-gry

TG, C1-C5
1 10 100 1000

LS: crm-gry-bm, mcrxln, few ool with fr vug por, chalky,

LS: crm-gry, mcrxln, sli ool, chalky

LS: crm-gry, mcrxln, some fxln, sli ool, chalky

LS: crm-gry, mcrxln, some fxln, few pieces ool, chalky, dense

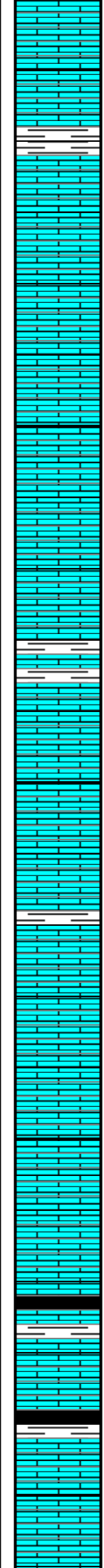
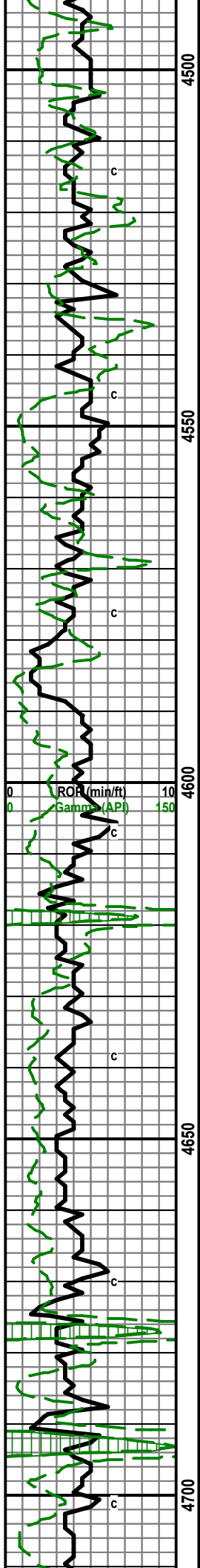
LS: crm-gry, mcrxln, few fxln, dense, sli chalky, some Sh: gry-drk gry

LS: gry-crm, mcrxln, few fxln, dense, sli chalky, pyrite

LS: crm-gry, mcrxln, some fxln, sli chalky, some ool, some fos some Sh: gry-drk gry

LS: gry-crm, some tan, mcr-fxln, few gran, sli chalky, sli fos

LS: crm tan gry, mcr-fxln, sli chalky, sli fos



LS: crm-tan-gry, mcr-fxln, sli chalky, sli fos

LS: tan, some gry, mcrxln, some fxln, some ool, few pieces of Sh: A.A.

LS: crm-gry, mcr-fxln, few pieces ool, few fos

LS: crm-tan-gry, mcrxln, some fxln, sli fos

LS: crm-tan, some gry, mcrxln, few fxln

LS: crm-tan-gry, mcr-fxln, sli fos,

LS: crm some gry, mcr-fxln, fos, sli cherty

LS: crm, some tan-gry, mcrxln, few fxln, sli fos,

LS: crm-tan-gry, mcrxln, few fxln, sli fos, some Sh: gry-lt gry

LS: tan-crm, mcr-fxln, sli chalky, sli cherty, some Sh: gry-drk gry

LS: gry-tan, mcr-fxln, sli cherty, sli fos some Sh: drk gry-gry

LS: tan, mcr-fxln, some gran, sli cherty, sli chalky, Sh: A.A.

LS: and Sh: A.A.

LS: crm-gry-brn, mcrxln-fxln, sli fos, sli cherty, sli chalky

LS: crm-gry, fxln, fos

LS: crm-gry, mcrxln, some fxln, cherty, sli chalky, sli fos

LS: gry-crm, mcr-fxln, cherty, sli chalky, few fos

LS: A.A. with some Sh: drk gry-gry

LS: gry-crm-tan, mcr-fxln, some gran, sli chalky, cherty, fos, some Sh: A.A. with some blk

LS: crm-gry, mcr-fxln, fos, sli chalky, Sh: blk-drk gry

LS: gry, fxln, sli fos, sli cherty

LS: gry some crm mcr fxln cherty sli chalky

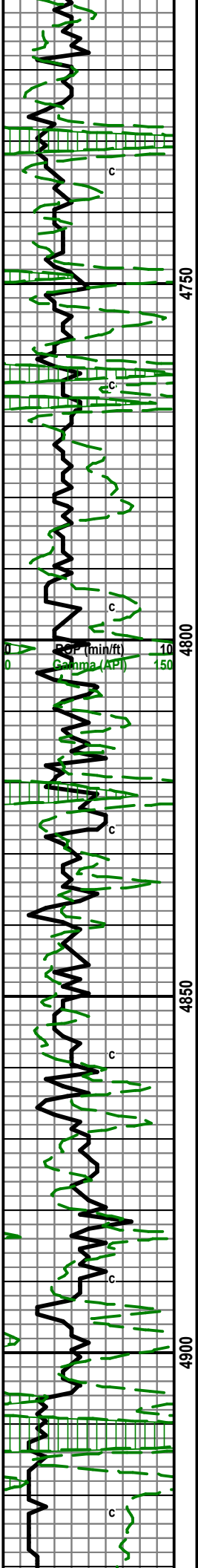
BKC: 4506 (-839)

Marmaton: 4529 (-862)

Mudco mdck:
Wt: 9.4 Vis: 60
pH: 9.0 Fil: 8.8
LCM: 8#

TG, C1-C5
1 10 100 1000

Cherokee Shale: 4688 (-1021)



LS: gry, some crm, mcr-fxl, fos, sli ool, sli cherty, some Sh: drk gry-blck

LS: A.A. with increase in Sh: drk gry-gry, some blck

LS: crm-gry, mcrxl, some fxln, sli cherty, sli chalky, fos, Sh: A.A.

LS: crm-gry, mcr-fxl, fos, Sh: gry-drk gry-blck

LS: gry-crm, mcr-fxl, sli cherty, sli fos, few ool, some Sh: A.A.

LS: gry-crm, mcr-fxl, sli cherty, fos

LS: A.A. with some Sh: drk gry-gry some blck

LS: gry some crm, fxln, some mcrxl, sli cherty, sli fos, some Sh: drk gry-blck, some red and gm

LS: gry-crm, mcrxl, few fxln, sli fos, sli cherty, some Sh: drk gry-blck

LS: gry-tan, mcrxl-fxl, few gran, fos, sli cherty, sli chalky, Sh: A.A.

LS: A.A. with some crm, Sh: gry-lt gry-drk gry

LS: gry-crm-tan, mcrxl, some fxln, sli cherty, sli chalky, Sh: A.A.

LS: gry-crm, fxln, some mcrxl, fos, sli cherty, sli chalky, few Sh: drk gry-blck

LS: A.A.

LS: gry-tan-crm, fxln, some mcrxl, sli cherty, some ool, some sli fos, with Sh: drk gry-blck

LS: gry-crm, mcr-fxl, sli cherty, sli chalky, sli fos

LS: A.A.

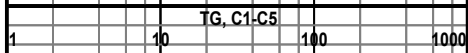
LS: gry-crm, mcr-fxl, some mxln, sli cherty, sli chalky, fos, some Sh: drk gry-blck

LS: A.A.

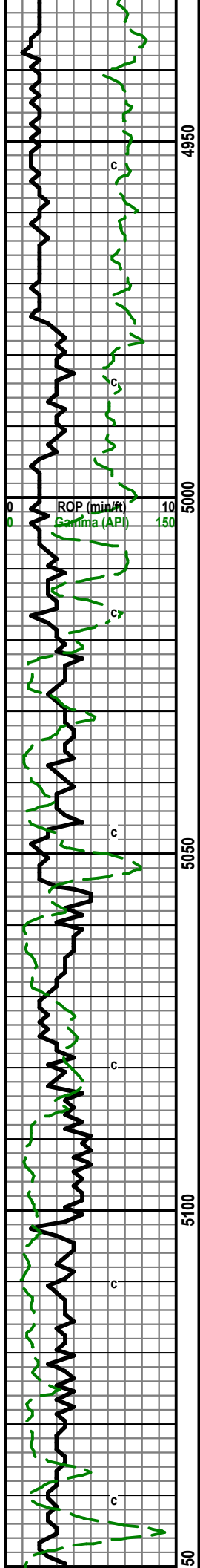
LS: crm-gry, mcrxl, sli chalky, sli fos, some Sh: drk gry-blck-gry

Sh: drk gry-gry, some SS: clear-opaque, f-m gm, friable, subangular, well sorted, pr vis por, no odor, fluor or show

Sh: A.A. with S.S.A.A.



Morrow Shale: 4906 (-1239)



Sh: gry-drk gry-lt gry, still a few SS cluster: A.A.

Sh: and SS: A.A.

Sh: gry-drk gry-lt gry

Sh: A.A.

Sh: gry-drk gry, some lt gry some grn

Sh: A.A.

Sh: gry-lt gry-drk gry-grn

Sh: A.A. with some SS: clear, f grn, well sorted, sub rounded, dense, very glauc, no odor, fluor or show, and LS: crm-tan, mcrxln

Sh: drk gry-gry, LS: A.A. with few SS clusters: A.A.

Sh: A.A. with some grn, a few SS cluster: A.A., LS: crm-tan, mcr-fxln, sli fos,

LS: A.A. with few pieces of SS and some Sh: A.A.

LS: crm-tan, fxln some mcrxln, fos, dense,

LS: A.A. with some SS: clusters, f-m grn, sub round, well sorted, sli friable, no-por vis por, no odor, fluor, or show

LS: A.A. with some SSA.A. part glauc, some Sh: gry

LS: crm-tan, mcrxln, sli fos, some SS: f-m grn, sub round, well sorted part friable, glauc, no show

LS: crm-tan, mcr-fxln, fos

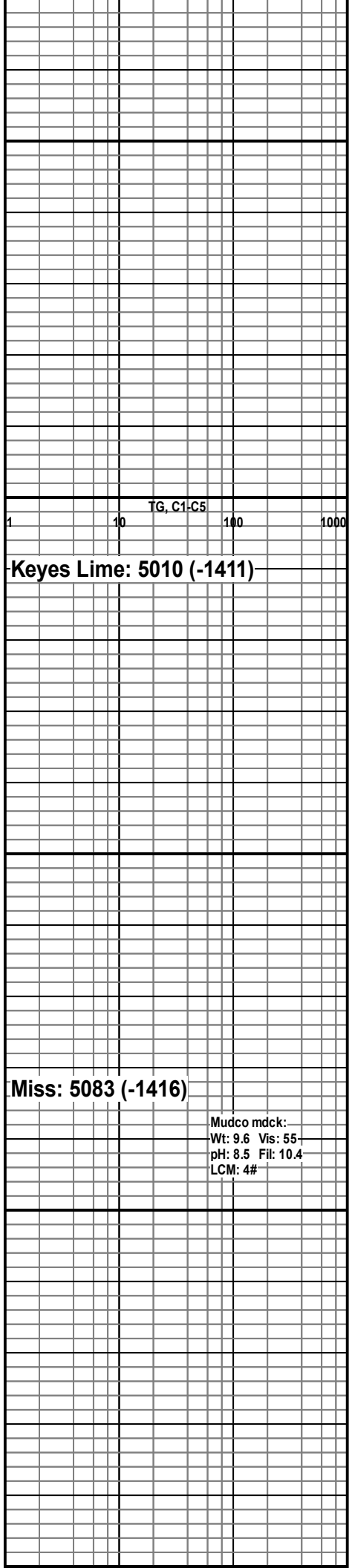
LS: crm-tan, mcr-fxln, fos, sli chalky, some chert,

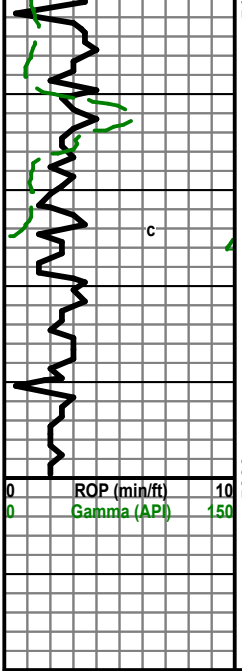
LS: crm-gry, mcr-fxln, fos, sli chalky, some sli ool, chert,

LS: crm-tan, mcr-fxln, sli chalky, cherty, sli fos

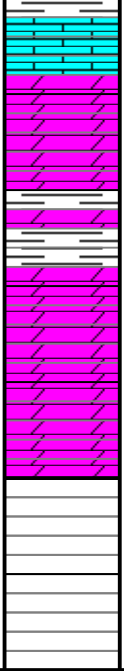
LS: A.A.

LS: A.A. sample had a good amount of Sh: gry-drk gry





5200



LS: crm-gry, f-mxln, sli dolo, sample still contains Sh: A.A.

Dolo: brn, mxln, sli fos

Dolo: A.A. some Sh: drk gry-gry

Dolo: brn, mcrxln, sli fos

RTD: 5200

LTD: 5204

ROP (min/ft) 10
Gamma (API) 150

TG, C1-C5
1 10 100 1000