Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

Wichita, Kansas

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

Well Name:	Yohn 'A' #1-26		
Location:	Sec. 26 - T30S - R19W, Kiowa County, KS		
License Number:	API # 15-097-21794-00-00	Region:	Alford South
Spud Date:	06-19-2014	Drilling Completed:	06-25-2014
Surface Coordinates:	N2 NW NW 330' FNL & 660' FWL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2220'	K.B. Elevation (ft):	2233'
Logged Interval (ft):	621' To: 5200'	Total Depth (ft):	5200'
Formation:	Mississippian		
Type of Drilling Fluid:	Chemical/Polymer/Gel		

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OPERATOR

Company: McCoy Petroleum Corporation, KCC License #5003
Address: 9342 E Central
Wichita, KS 67206

GEOLOGIST

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

DRILL STEM TEST

** DST #1 **: 5055' - 5113' (Mississippian)
Times: 5" - 60" - 90" - 120"
1st OPEN: Strong Blow off bottom of bucket. GTS in 2.25".
Initial Shut In: Weak 1-3" blowback.
2nd OPEN: Strong Blow
FF Gas Gauge: 10" = 259 MCF 20" = 212 MCF 30" = 42 MCF
40" = 53 MCF 50" = 58 MCF 60" = 62 MCF
70" = 62 MCF 80" = 62 MCF 90" = 59 MCF
Final Shut In: Strong Blow. B.O.B.
Rec: 670' CGO (39%Gas, 61%Oil)
260' GMCO (38%Gas, 24%Mud, 38%Oil)
120' GMCO (50%Gas, 15%Mud, 35%Oil)
1050' Total Fluid
IFP: 170-147#
FFP: 215-406#
SIP: 1141-1138#

Casing & Deviation Surveys:

Spud @ 5:00 P.M. on 06/19/2014

Drilling 17 1/2" surface hole to 253'. Ran 6 joints of 13 3/8", 54#, new surface casing. Tallied 235.35'. Cut Texas show. Set at 248'KB. Welded straps on bottom 3 joints. Tacked collars and pins. Basic Energy cemented with 250 sks 60/40 Pozmix, with 2% Gel, 3% CC and 1/4#/sx Celoflake. Plug down at 3:30 A.M. on 6/19/14. Cement did circulate.

6/21/2014 TD 626'. No fluid loss while drilling under surface casing. Drilled 12 1/4" hole to 626'. Ran 14 joints of 8 5/8", 24#, new surface casing. Tallied 606.92'. Landed at 621'KB. Basket at 280'KB. Welded straps on guide shoe and bottem 3 joints. Tacked collars on all joints, then welded collar on top 2 joints. Basic Energy Services cemented bottom with 170 sks A-Conn with 2% Gel, 3% CC and 1/4#/sx Celoflake then tailed with 150 sks of 60/40 Pozmix with 3% CC, and 1/4"/sx Celoflake. Plug down at 9:15 P.M. Cement did circulate.

Deviation Survey's: @ 253' = 1 1/2° @ 626' = 1° @ 5123' = 1°

ROCK TYPES

LITHOLOGY
Chr-grn sh
Anhy
Bent
Brec
Cht
Clyst
Coal
Dol
Gyp
Igne
Lmst
Mrlst
Salt
Shale
Shcol
Shgy
Sltst
Ss
Congl
Carb sh
Grn sh
Gry sh

TEXTURE
BS Boundst
C Chalky
CX
E
FX
GS
L
MX
MS
PS
WS

Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OIL SHOW
Even
Spotted
Ques
Gas
D Dead

Yohn 'A' #1-26

ROP (min/ft)

Gamma (API)

Depth

Lithology

Oil Shows

Geological Descriptions

TG, C1-C5

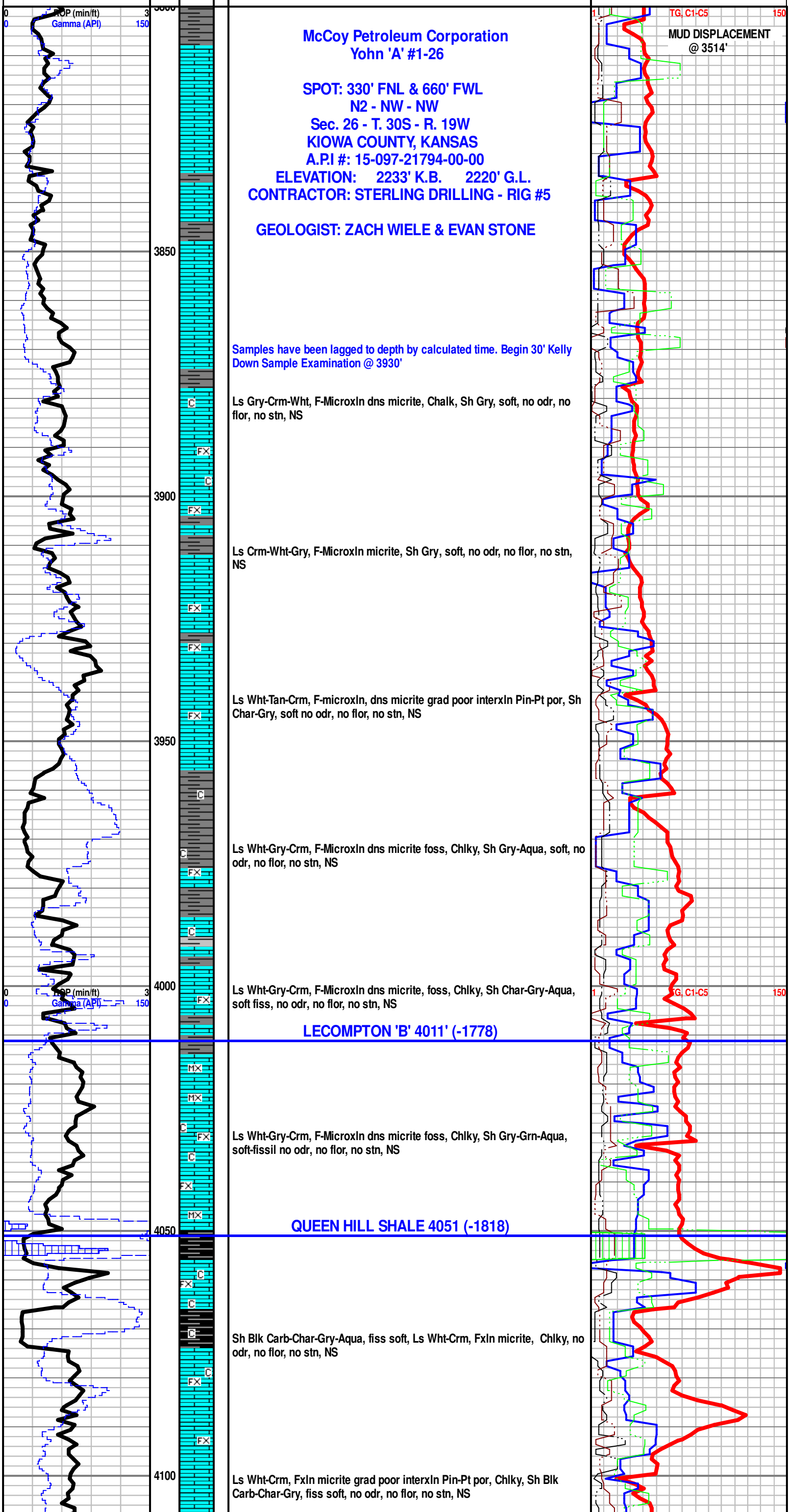
TG (Units)

C1 (units)

C2 (units)

C3 (units)

C4 (units)



McCoy Petroleum Corporation
Yohn 'A' #1-26

SPOT: 330' FNL & 660' FWL
N2 - NW - NW
Sec. 26 - T. 30S - R. 19W
KIOWA COUNTY, KANSAS
A.P.I #: 15-097-21794-00-00
ELEVATION: 2233' K.B. 2220' G.L.
CONTRACTOR: STERLING DRILLING - RIG #5

GEOLOGIST: ZACH WIELE & EVAN STONE

Samples have been lagged to depth by calculated time. Begin 30' Kelly Down Sample Examination @ 3930'

Ls Gry-Crm-Wht, F-Microxln dns micrite, Chalk, Sh Gry, soft, no odr, no flor, no stn, NS

Ls Crm-Wht-Gry, F-Microxln micrite, Sh Gry, soft, no odr, no flor, no stn, NS

Ls Wht-Tan-Crm, F-microxln, dns micrite grad poor interxln Pin-Pt por, Sh Char-Gry, soft no odr, no flor, no stn, NS

Ls Wht-Gry-Crm, F-Microxln dns micrite foss, Chlky, Sh Gry-Aqua, soft, no odr, no flor, no stn, NS

Ls Wht-Gry-Crm, F-Microxln dns micrite, foss, Chlky, Sh Char-Gry-Aqua, soft fiss, no odr, no flor, no stn, NS

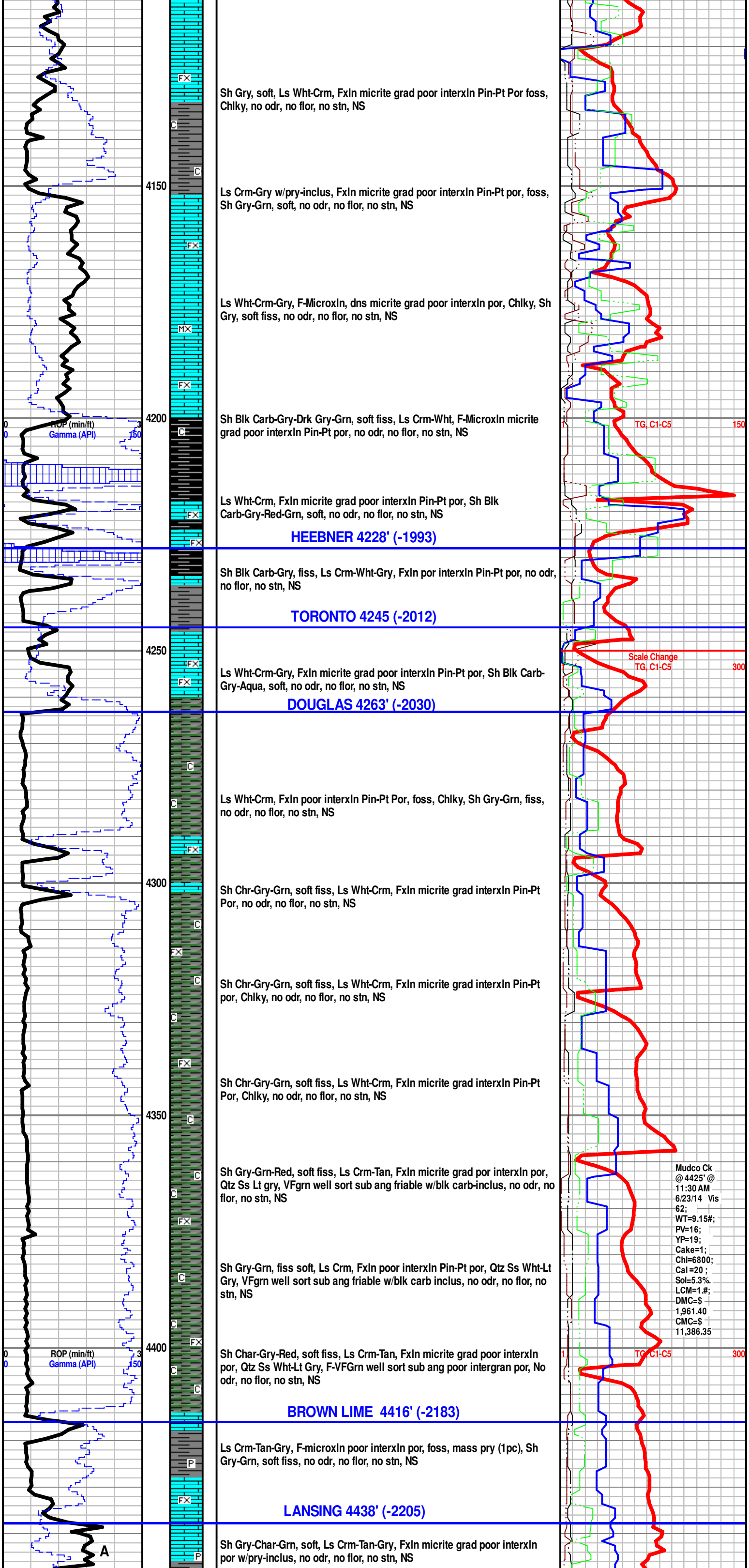
LECOMPTON 'B' 4011' (-1778)

Ls Wht-Gry-Crm, F-Microxln dns micrite foss, Chlky, Sh Gry-Grn-Aqua, soft-fissil no odr, no flor, no stn, NS

QUEEN HILL SHALE 4051 (-1818)

Sh Blk Carb-Char-Gry-Aqua, fiss soft, Ls Wht-Crm, Fxln micrite, Chlky, no odr, no flor, no stn, NS

Ls Wht-Crm, Fxln micrite grad poor interxln Pin-Pt por, Chlky, Sh Blk Carb-Char-Gry, fiss soft, no odr, no flor, no stn, NS


4150
4200
4250
4300
4350
4400
4450
ROP (min/ft)
Gamma (API)
TG, C1-C5
Scale Change
TG, C1-C5
Mudco Ck @ 4425' @ 11:30 AM 6/23/14 Vis 62; WT=9.15#; PV=16; YP=19; Cake=1; Chl=6800; Cal=20 ; Sol=5.3%. LCM=1.#; DMC=$ 1,961.40 CMC=$ 11,386.35
Sh Gry, soft, Ls Wht-Crm, Fxln micrite grad poor interxln Pin-Pt Por foss, Chlky, no odr, no flor, no stn, NS
Ls Crm-Gry w/pry-inclus, Fxln micrite grad poor interxln Pin-Pt por, foss, Sh Gry-Grn, soft, no odr, no flor, no stn, NS
Ls Wht-Crm-Gry, F-Microxln, dns micrite grad poor interxln por, Chlky, Sh Gry, soft fiss, no odr, no flor, no stn, NS
Sh Blk Carb-Gry-Drk Gry-Grn, soft fiss, Ls Crm-Wht, F-Microxln micrite grad poor interxln Pin-Pt por, no odr, no flor, no stn, NS
Ls Wht-Crm, Fxln micrite grad poor interxln Pin-Pt por, Sh Blk Carb-Gry-Red-Grn, soft, no odr, no flor, no stn, NS
HEEBNER 4228' (-1993)
Sh Blk Carb-Gry, fiss, Ls Crm-Wht-Gry, Fxln por interxln Pin-Pt por, no odr, no flor, no stn, NS
TORONTO 4245 (-2012)
Ls Wht-Crm-Gry, Fxln micrite grad poor interxln Pin-Pt por, Sh Blk Carb-Gry-Aqua, soft, no odr, no flor, no stn, NS
DOUGLAS 4263' (-2030)
Ls Wht-Crm, Fxln poor interxln Pin-Pt Por, foss, Chlky, Sh Gry-Grn, fiss, no odr, no flor, no stn, NS
Sh Chr-Gry-Grn, soft fiss, Ls Wht-Crm, Fxln micrite grad interxln Pin-Pt Por, no odr, no flor, no stn, NS
Sh Chr-Gry-Grn, soft fiss, Ls Wht-Crm, Fxln micrite grad interxln Pin-Pt por, Chlky, no odr, no flor, no stn, NS
Sh Chr-Gry-Grn, soft fiss, Ls Wht-Crm, Fxln micrite grad interxln Pin-Pt Por, Chlky, no odr, no flor, no stn, NS
Sh Gry-Grn-Red, soft fiss, Ls Crm-Tan, Fxln micrite grad por interxln por, Qtz Ss Lt gry, VFgrn well sort sub ang friable w/blk carb-inclus, no odr, no flor, no stn, NS
Sh Gry-Grn, fiss soft, Ls Crm, Fxln poor interxln Pin-Pt por, Qtz Ss Wht-Lt Gry, VFgrn well sort sub ang friable w/blk carb inclus, no odr, no flor, no stn, NS
Sh Char-Gry-Red, soft fiss, Ls Crm-Tan, Fxln micrite grad poor interxln por, Qtz Ss Wht-Lt Gry, F-VFGrn well sort sub ang poor intergran por, No odr, no flor, no stn, NS
BROWN LIME 4416' (-2183)
Ls Crm-Tan-Gry, F-microxln poor interxln por, foss, mass pry (1pc), Sh Gry-Grn, soft fiss, no odr, no flor, no stn, NS
LANSING 4438' (-2205)
Sh Gry-Char-Grn, soft, Ls Crm-Tan-Gry, Fxln micrite grad poor interxln por w/pry-inclus, no odr, no flor, no stn, NS

LANSING 'B' 4455' (-2222)

B

Ls Wht-Crm-Gry, FxIn poor interxIn Pin-Pt por, ChIky, Sh Gry-Grn-Red w/pry-inclus, no odr, no flor, no stn, NS

Ls Crm-Tan-Wht, FxIn micrite grad poor interxIn Pin-Pt por, ChIky, Sh Gry-lt Gry-Grn-Red, soft w/pry-inclus, Qtz Ss Lt Gry, VFxIn well sort sub ang por intergrn por, no odr, no flor, no stn, NS

4500

Ls Crm-Wht-Gry, F-microxIn dns micrite grad poor interxIn Pin-Pt por w/pry-inclus, foss, Sh Gry-Grn-Red, soft, no odr, no flor, no stn, NS

Ls Crm-Tan-Gry, F-microxIn dns micrite poor interxIn por w/pry-inclus, Sh Gry-Grn, soft, no odr, no flor, no stn, NS

@ 4580' START 10' SAMPLE EXAMINATION (WET & DRY)

Ls Crm-Wht-Gry, FxIn dns micrite grad poor interxIn por w/pry-inclus, ChIky, Sh Gry-Char, soft fiss, no odr, no flor, no stn, NS

LANSING 'F' 4546' (-2313)

4550

Ls Wht-Crm-Gry, FxIn poor interxIn Pin-Pt por w/pry-inclus, foss, Sh Gry-Brn Red, soft fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, FxIn poor interxIn Pin-Pt por w/pry-inclus, foss, Sh Gry-Brn Red, soft fiss, no odr, no flor, no stn, NS

Ls Crm-Tan, FxIn micrite grad poor OOM por - vpoor leaching, Cht Lt Tan Shp Op Vit, ChIky, Sh Gry-Grn, soft fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, FxIn micrite grad poor interxIn Pin-Pt por, ChIky, Sh Gry-Grn-Red, fiss, no odr, no flor, no stn, NS

Ls Crm-Tan-Wht-Gry, FxIn poor granular interxIn Pin-Pt por- poor OOM por-v-poor interOOM por, ChIky, Sh Gry-Grn, soft, no odr, no flor, no stn, NS

4600

0 ROP (min/ft) 3
0 Gamma (API) 150

1 TG, C1-C5 300

KANSAS CITY 'H' 4606' (-2373)

Ls Tan-Crm, Micro-FxIn micrite grad med-fair OOM por - poor interOOm por w/OOids in pl, poor-fair vug leaching, Cht Op Shp Vit, ChIky, Sh Blk Carb-Gry-Char-Grn, soft, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, FxIn micrite grad poor-fair OOM por (w/OOid in pl) w/vpoor leaching grad poor interxIn Pin-Pt por, ChIk, Sh Gry-Grn-Red, soft fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Micro-FxIn micrite grad poor-fair OOM por - poor-fair InterOOm Por, Poor leaching, Mass pyr, Cht, Op Shp Vt, ChIky, Sh Blk Carb- Gry, fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Lt Tan, Micro-FxIn micrite (w/pyr-inclus) grad poor interxIn Pin-Por - poor-fair interOOM por - poor leaching, fewOOids in pl, Mass Pyr, Cht Op Shp Vit, Sh Blk Carb-Gry-Aqua, no odr, no flor, no stn, NS

Ls Crm-Wht-Gry, Micro-FxIn micrite grad poor interxIn Pin-Pt por, vpoor OOM por, Cht Wht-Op-Vt, Sh Gry-Char-Grn, fiss, no odr, no flor, no stn, NS

4650

Ls Wht-Crm-Tan, Micro-FxIn poor interxIn Pin-Pt por - Fair OOM - intraOOM por, smll OOids in Pl, Cht Op-Wht-Vit, pyr-inclus, Sh Gry-Char, soft, no odr, no flor, no stn, NS

Ls Crm-Tan-Lt Gry, F-MicroxIn micrite grad poor interxIn Pin-Pt por, sm v-poor vug leaching, Cht Tan-Op-Trans, Sh Gry-Grn, no odr, no flor, no stn, NS

Ls Tan-Crm-Wht, FxIn dns micrite grad por interxIn Pin-Pt por, sli diss vugs, foss (w/pry-inclus), Sh Gry, fiss, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan-Lt Gry, FxIn micrite grad fair intraOOM por w/poor leaching, foss, Cht Op, ChIky, Sh Gry-Char-Grn, fiss, no odr, no flor, no stn, NS

Ls Crm-Tan-Lt Gry, FxIn micrite grad fair-poor OOM por - poor interOOM por, Cht Wht-Op-Vt, Sh Gry, soft fiss w/pry-inclus, no odr, no flor, no stn, NS

4700

Scale Change
0 ROP (min/ft) 5
0 Gamma (API) 150

Sh Blk Carb-Char-Gry, fiss Ls Crm-Lt Tan-Wht, Micro-FxIn micrite no vis por, Cht Wht-Gry Op Shp Vit, ChIky, no odr, no flor, no stn, NS

GAS KICK
242 UNITS

Sh Blk Carb-Gry, fiss, Ls Wht-Crm, micrite, no odr, no flor, no stn, NS

KANSAS CITY 'J' 4722' (-2489)

Ls Tan-Crm-Wht, MicroxIn micrite grad poor Pin-Pt interxIn por Cht Wht-Gry Op Shp Vit, Chlk, Sh Blk Carb-Char-Gry, fiss, no odr, no flor, no stn, NS

Sh Blk Carb-Gry-Aqua/Grn, soft fiss Ls Wht-Crm, FxIn micrite grad Fair-Med Pin-Pt interxIn por, ChIky, no odr, no flor, no stn, NS

GAS KICK
235 UNITS

4750

Sh Blk Carb-Gry-Grn, soft (gummy) Ls Wht-Crm-Tan, F-MicroxIn (w/pry-inclus) poor interxIn Pin-Pt por grad poor OOM por w/poorleaching, ChIky, Cht-Trans, poss dead oil stn, no odr, no flor, NS

Scale Change
TG, C1-C5 750

Sh Blk Carb-Gry, no odr, no flor, no stn, NS

STARK 4760' (-2527)

Sh Blk Carb-Gry, Ls Wht-Crm, micrite no odr, no flor, no stn, NS

GAS KICK
660 UNITS

KANSAS CITY 'K' SWOPE 4768' (-2535)

Ls Wht-Crm-Tan, FxIn micrite grad poor interxIn Pin-Pt por- poor OOM por(sm ooids in pl), Sh Gry-Char-Grn, soft, few Qtz Ss pc, no odr, no flor, no stn, NS

Ls Crm-Gry-Wht, FxIn micrite grad vpoor Pin-Pt por w/pry-inclus, Sh Gry-Grn, soft, no odr, no flor, no stn, NS

Ls Gry-Tan-Crm, FxIn micrite poor-fair interxIn vug por, few/OOM por, Sh Blk Carb-Gry-Char, soft fiss, no odr, no flor, no stn, NS

4800

0 ROP (min/ft) 5
0 Gamma (API) 150

1 TG, C1-C5 750

HUSHPUCKNEY 4809' (-2576)

Sh Blk Carb-Gry-Grn-Red-Char, soft gummy Ls Crm-Tan-Wht, F-MicroxIn w/poor interxIn Pin-Pt por, 1 pc w/fair suc por, Chlky, no odr, no flor, no stn, NS

Ls Tan-Crm-Gry, FxIn poor Pin-Pt interxIn por, Sh Gry-Grn-Red-Blk Carb, fiss, no odr, no flor, no stn, NS

Ls Crm-Gry-Tan, FxIn poor interxIn Pin-Pt por, Chlky, Sh Gry-Red-Blk Carb, no odr, no flor, no stn, NS

Ls Crm-Gry, FxIn poor interxIn Pin-Pt por, Chlky, Sh Gry-Red-Blk Carb, no odr, no flor, no stn, NS

4850

Sh Gry-Drk Gry-Blk Carb, fiss Ls (AA), no odr, no flor, no stn, NS

Sh Blk Carb-Gry, no odr, no flor, no stn, NS

Sh Blk Carb-Gry-Aqua, fiss, Ls Gry-Tan, MicroxIn micrite no odr, no flor, no stn, NS

Sh Blk Carb-Gry-Char, fiss Ls (AA), no odr, no flor, no stn, NS

Sh Blk Carb-Gry, Ls Gry-Tan, Micro-FxIn micriteno odr, no flor, no stn, NS

4900

MARMATON 'B' 4902 (-2669)

20' CFS @ 4930' Ls Crm-Tan, F-MicroxIn micrite grad poor Pin-Pt por, Cht Tan-Op, Sh Blk Carb-Gry-Grn, soft fiss, no odr, no flor, no stn, NS

40" CFS @ 4930' Ls Crm-Tan, F-MicroxIn micrite grad poor Pin-Pt por, Cht Tan-Op, Sh Blk Carb-Gry-Grn, soft fiss, no odr, no flor, no stn, NS

CFS @ 4930'
20"- 30"- 60"

60" CFS @ 4930' Ls Wht-Crm-Tan, F-MicroxIn micrite grad poor Pin-Pt por, few sct pc poor-vpoor OOM por, foss, Cht Tan-Op, Sh Blk Carb-Gry-Grn, soft fiss, no odr, no flor, no stn, NS

PAWNEE 4944' (-2711)

4950

Ls Wht-Crm, F-MicroxIn micrite grad poor interxIn Pin-Pt por, Sh Blk Carb-Gry-Aqua, fiss, no odr, no flor, no stn, NS

Ls Crm-Tan-Gry, FxIn poor interxIn Pin-Pt por, Sh Char-Gry-Grn-Red w/pry-inclus, soft, no odr, no flor, no stn, NS

Sh Blk Carb-Gry-Aqua-Grn, soft fiss Ls Wht-Crm, FxIn micrite grad fair Pin-Pt interxIn por, Chlky, no odr, no flor, no stn, NS

GAS KICK
538 UNITS

FORT SCOTT 4976' (-2743)

Sh Blk Carb-Char-Gry, fiss soft Ls Wht-Lt Tan, Micro-FxIn micrite, Cht Wht Op Shp Vit, Chlky, no odr, no flor, no stn, NS

CHEROKEE SHALE 4986' (-2753)

GAS KICK
341 UNITS

Sh Blk Carb-Gry-Char- Grn-Aqua, soft fiss foss(crin), Ls Crm-Lt Gry, FxIn poor interxIn Pin-Pt por, fair-poor interxIn OOM por w/dis vugs, v sli odr, v poor flor, no stn, SSG

5000

0 ROP (min/ft) 5
0 Gamma (API) 150

Ls Wht-Crm-Lt Gry-Tan, F-MicroxIn micrite grad good-med Pin-Pt interxIn por (w/GSG & flor), good odr after acid, flor gas bubbles, Cht Op-Tan, Sh Blk Carb-Char-Gry, fiss, sli odr(fair after acid), good-poor flor, no stn, SG, NSO

1 TG, C1-C5 750

GAS KICK
477 UNITS

Mudco Ck
@ 5054' @
8:40 AM
6/24/14 Vis
54;
WT=9.45#;
PV=17;
YP=17;
Cake=1;
Chl=7800;
Cal =180 ;
Sol=7.4%.
LCM=2#;
DMC=$
1,133.20
CMC=$
12,519.55

35 STAND
SHORT TRIP
@ 5012'

Sh Blk Carb-Char-Gry-Grn-Olv, soft fiss w/pry-inclus, Ls Wht-Crm, F-MicroxIn micrite grad poor Pin-Pt interxIn por w/vpoor leaching, Qtz Ss Lt Gry, Fgrn well sort sub rnd poor intergrn por w/Blk Carb-inclus, no odr, no flor, no stn, NS

Sh Blk Carb-Char-Gry-Aqua, fiss, Ls Wht-Tan-Crm, F-MicroxIn poor interxIn Pin-Pt por, Chrt Gry-Op, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, FxIn micrite poor interxIn por, Sh Gry-Char-Grn-Blk Carb, soft fiss w/pyr-inclus, Qtz Ss Gry, VFgrn well sort sub rnd vpoor intergrn por, Cht Wht-Op, no odr, no flor, no stn, NS

Sh Gry-Grn-Blk Carb-Mrn-Aqua-Red, soft fiss, Ls Crm-Lt Gry, F-MicroxIn micrite grad poor InterxIn Pin-Pt por, Cht Pech-Orng, foss, no odr, no flor, no stn, NS

5050

MISSISSIPPIAN 5052' (-2819)

Scale Change
1 TG, C1-C5 1500

GAS KICK
817 UNITS

Sh Char-Gry-Grn-Aqua, soft fiss, Ls Tan-Crm-Wht, F-MicroxIn micrite grad poor interxIn Pin-Pt por, , no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, MicroxIn vpoor-poor interxIn Pin-Pt por, foss, Sh Char-Gry-Grn, soft fiss, vsli odr, v sli flor, no stn, NS

Ls Wht-Crm-Lt Gry, MicroxIn poor interxIn Pin-Pt por, Sh Gry-Grn, fiss, vsli odr, sli flor, no stn, sli SG, NSO

30" CFS @ 5113' Ls Crm-Tan-Wht, F-MicroxIn micrite grad fair interxIn Pin-Pt por, Dol/Ls Tan-Crm-Wht, FxIn w/fair-poor interxIn Pin-Pt por w/SG & SSFO, CaCO3 matrix w/lt brn stn, good/fair odr, med flor(2% of smpl), Tr dead stn, Drk blk, Cht, Sh Gry-Grn-Red

#1

SPERGEN Ø 5086' (-2853)

DST #1
5055' - 5113'

60" CFS @ 5113' Dol/Ls Tan-Crm, FxIn w/good interxIn Pin-Pt suc por w/Flor GB & FO spts (abd), CaCO3 matrix, sat lt brn stn w/sli glauc-inclus , strng odr, bright grn-med flor (15-20% of smpl), Free Oil spts vis in sample cup, Good SG & SFO

SPERGEN GAS
KICK
1133 UNITS

5100

90" CFS @ 5113' Dol/Ls Tan-Crm, FxIn w/good interxIn Pin-Pt suc por w/GSG & Show FO, CaCO3 matrix, sat lt brn stn w/sli glauc-inclus, strng odr, bright grn-med flor(5-10% of smpl), good-med SG &SFO

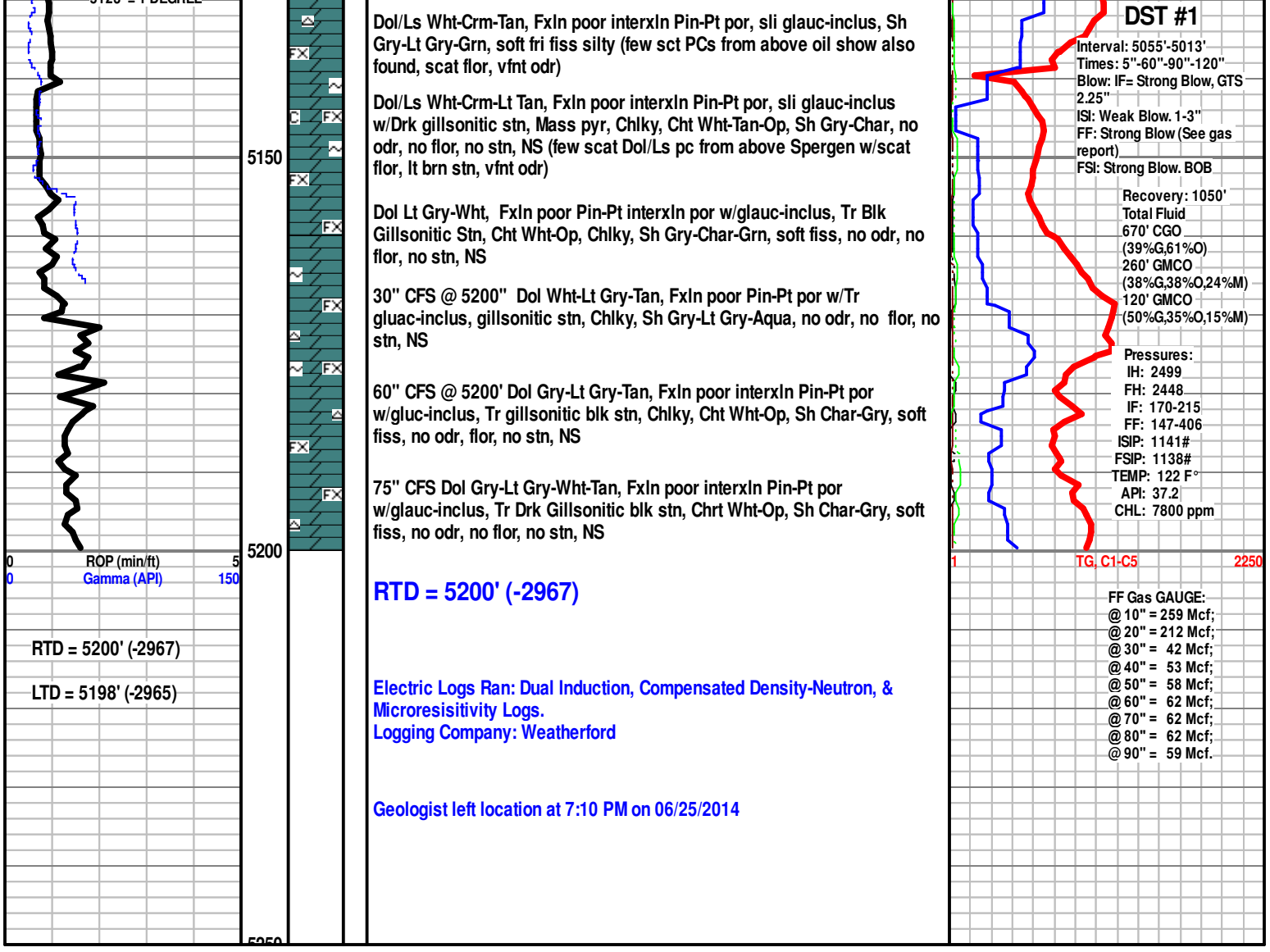
Scale Change
1 TG, C1-C5 2250

Warsaw 5117' (-2884)

Dol/Ls Crm-Tan-Wht, FxIn poor interxIn Pin-Pt por, Sli Tr Glauc-inclus, Chrt Drk Gry-Op-Trns, Sh Gry-Grn, no odr, no flor, no stn, NS (few PCs from above oil show also found, scat flor, fnt odr)

GAS KICK
1178 UNITS

DEVIATION SURVEY @
5123' - 1 DEGREE



Dol/Ls Wht-Crm-Tan, Fxln poor interxln Pin-Pt por, sli glauc-inclus, Sh Gry-Lt Gry-Grn, soft fri fiss silty (few sct PCs from above oil show also found, scat flor, vfnt odr)

Dol/Ls Wht-Crm-Lt Tan, Fxln poor interxln Pin-Pt por, sli glauc-inclus w/Drk gillsonitic stn, Mass pyr, Chlky, Cht Wht-Tan-Op, Sh Gry-Char, no odr, no flor, no stn, NS (few scat Dol/Ls pc from above Spergen w/scat flor, lt brn stn, vfnt odr)

Dol Lt Gry-Wht, Fxln poor Pin-Pt interxln por w/glauc-inclus, Tr Blk Gillsonitic Stn, Cht Wht-Op, Chlky, Sh Gry-Char-Grn, soft fiss, no odr, no flor, no stn, NS

30" CFS @ 5200" Dol Wht-Lt Gry-Tan, Fxln poor Pin-Pt por w/Tr gluac-inclus, gillsonitic stn, Chlky, Sh Gry-Lt Gry-Aqua, no odr, no flor, no stn, NS

60" CFS @ 5200' Dol Gry-Lt Gry-Tan, Fxln poor interxln Pin-Pt por w/gluc-inclus, Tr gillsonitic blk stn, Chlky, Cht Wht-Op, Sh Char-Gry, soft fiss, no odr, flor, no stn, NS

75" CFS Dol Gry-Lt Gry-Wht-Tan, Fxln poor interxln Pin-Pt por w/glauc-inclus, Tr Drk Gillsonitic blk stn, Chrt Wht-Op, Sh Char-Gry, soft fiss, no odr, no flor, no stn, NS

RTD = 5200' (-2967)

Electric Logs Ran: Dual Induction, Compensated Density-Neutron, & Microresisitivity Logs.
Logging Company: Weatherford

Geologist left location at 7:10 PM on 06/25/2014

DST #1

Interval: 5055'-5013'
Times: 5"-60"-90"-120"
Blow: IF= Strong Blow, GTS 2.25"
ISI: Weak Blow. 1-3"
FF: Strong Blow (See gas report)
FSI: Strong Blow. BOB

Recovery: 1050'
Total Fluid
670' CGO
(39%G,61%O)
260' GMCO
(38%G,38%O,24%M)
120' GMCO
(50%G,35%O,15%M)

Pressures:
IH: 2499
FH: 2448
IF: 170-215
FF: 147-406
ISIP: 1141#
FSIP: 1138#
TEMP: 122 F°
API: 37.2
CHL: 7800 ppm

FF Gas GAUGE:
@ 10" = 259 Mcf;
@ 20" = 212 Mcf;
@ 30" = 42 Mcf;
@ 40" = 53 Mcf;
@ 50" = 58 Mcf;
@ 60" = 62 Mcf;
@ 70" = 62 Mcf;
@ 80" = 62 Mcf;
@ 90" = 59 Mcf.