

**Coachman Energy Operating Company, LLC
Mitchek No. 1-35-13-35
364' FSL and 335' FEL
Sec 35 T13S R35W
Logan County, Kansas**

Geological Report
by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name:	Mitchek No. 1-35-13-35	
Surface Location:	Sec 35 T13S R35W	
Bottom Location:	364' FSL and 335' FEL	
API:	15-109-21485	
License Number:	35300	
Spud Date:	10/21/2016	Time: 9:00 PM
Region:	Logan County, Kansas	
Drilling Completed:	11/1/2016	Time: 6:41 AM
Surface Coordinates:	1098247.9 & 213260.4	
Bottom Hole Coordinates:	1098247.9 & 213260.4	
Ground Elevation:	2960.00ft	
K.B. Elevation:	2973.00ft	
Logged Interval:	3350.00ft	To: 4645.00ft
Total Depth:	4650.00ft	
Formation:	Mississippian	
Drilling Fluid Type:	Chemical/Fresh Water Gel	

OPERATOR

Company: Coachman Energy Operating Company, LLC
Address: 1125 17th Street, Suite 410
Denver, Colorado 80202

Contact Geologist:	Ben Jackson	
Contact Phone Nbr:	720-476-3678	
Well Name:	Mitchek No. 1-35-13-35	
Location:	Sec 35 T13S R35W	API: 15-109-21485
Pool:	Oil	Field: Wildcat
State:	Kansas	Country: USA

CONTRACTOR

Contractor: Duke Drilling Company
 Rig #: 7
 Rig Type: mud rotary
 Spud Date: 10/21/2016
 TD Date: 11/1/2016
 Rig Release: 11/2/2016

Time: 9:00 PM
 Time: 6:41 AM
 Time: 5:30 AM

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 101.168401479
 N/S Co-ord: 1098247.9
 E/W Co-ord: 213260.4

Latitude: 38.875589778

ELEVATIONS

K.B. Elevation: 2973.00ft
 K.B. to Ground: 13.00ft

Ground Elevation: 2960.00ft

NOTES

Date	Depth - 7 am	Activity
10-21-16	MIRU	Spud at 9:00 pm
10-22-16	272	WOC
10-23-16	1309	Drilling
10-24-16	2365	Drilling
10-25-16	3150	Drilling
10-26-16	3622	Drilling
10-27-16	3932	TOH for DST No. 1
12-28-16	4094	CFS
10-29-16	4192	CFS
10-30-16	4312	TOH after DST No. 3
10-31-16	4500	CFS
11-01-16	4650	CFS
11-02-16	4650	P & A

Surface Casing: 8 5/8" 24# at 269'
 Production Casing: None set

Deviation: 272' - 1/2°
 1341' - 1/4°
 1720' - 1/2°
 2038' - 1/2°
 2513' - 3/4°
 3019' - 1/4°
 3463' - 3/4°
 3932' - 1/4°
 4312' - 1/4°
 4650' - 1/4°

Bit Record:	Make	Size	Type	Depth In	Depth Out	Hours
	Logic	12 1/4"	JZ	Surface	272	3.5
	Logic	7 7/8"	HA20Q	272	4630	134 3/4

Drill Stem Tests:

DST No. 1 3846 to 3932 Lansing C, D, E, F Zones
 30-45-45-60
 Recovery: 1100' MCW (15%M, 85%W - Chl 39,000 ppm)
 IHP 1804 FHP 1781
 IFP 62-258 FFP 274-496
 ISIP 1171 FSIP 1169
 Temp 117°

DST No. 2 4026 to 4082 Lansing L, J Zones (Straddle Test)

30-60-60-90
 Recovery: 500' MCW (25%M, 75%W - Chl 45,000 ppm)
 IHP 1896 FHP 1867
 IFP 21-139 FFP 145-266
 ISIP 1279 FSIP 1276
 Temp 119°

DST No. 3 4144 to 4312 Pleasanton, Marmaton, Altamont, Pawnee
 30-45-30-60
 Recovery: 2775' MCW (20%M, 80%W - Chl 40,000 ppm)
 IHP 2046 FHP 2002
 IFP 716-1219 FFP 1242-1247
 ISIP 1242 FSIP 1264
 Temp 124°

DST No. 4 4380 to 4500 Lower Cherokee, Johnson Zone
 30-60-45-60
 Recovery: 65' Mud
 IHP 2085 FHP 2076
 IFP 22-31 FFP 35-47
 ISIP 1216 FSIP 1139
 Temp 115°








Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3	Well 4
Anhydrite	2353	2350	+623	+9	+6	+21	+16
Base/Anhydrite	2374	2370	+603	+9	+7	+22	+16
Tarkio	3424	3419	-446		+22	+22	
Topeka	3550	3545	-572	+24	+22	+24	
King Hill	3658	3652	-679	+21	+30	+28	
Queen Hill	3720	3714	-741	+17	+22	+31	
Heebner	3773	3766	-793	+18	+27	+33	+14
Toronto	3786	3778	-805	+29	+32	+40	
Lansing	3823	3815	-842	+24	+20	+35	+17
Muncie Creek	3986	3980	-1007	+27	+28	+35	
Stark	4078	4072	-1099	+25	+23	+30	+12
Hushpuckney	4120	4115	-1142	+29	+27	+28	
Base/Kansas City	4156	4151	-1178	+26	+28	+28	
Pleasanton	4161	4155	-1182	+26	+29	+28	
Marmaton	4202	4196	-1223	+27	+30	+34	+10
Altamont	4264	4250	-1277	+20	+22	+32	
Pawnee	4298	4291	-1318	+27	+30	+35	+9
Fort Scott	4340	4333	-1360	+25	+31	+33	
Upper Cherokee	4351	4344	-1371	+24	+26	+34	
Lower Cherokee	4385	4378	-1405	+23	+28	+32	+10
Johnson Zone	4429	4424	-1451	+24	+32	+32	+8
Morrow	4500	4494	-1521	+19	+23	+30	+10
Mississippi	4560	4555	-1582	+14	+30	+16	+20
Total Depth	4650	4645	-1672				

Well 1: Cynosure Energy LLC Holcomb No. 1-7-14-34 SW SW SW Sec 7 T14S R34W
 Well 2: Wycoff Drilling Company Gordon No. 1 NW NE NE Sec 7 T14S R34W
 Well 3: Sunburst Exploration Company Bouziden B No. 1 SE NW NE Sec 36 T13S R35W
 Well 4: American Warrior, Inc. Kreigh No 1-3 388' FNL and 2581' FEL Sec 3 T14S R35W

Due to the results of the Drill Stem Tests and the electric log calculations, it was decided to plug this test well.

Respectfully submitted,
 Macklin M. Armstrong

ROCK TYPES

 Lmst fw7>	 shale, gry	 shale, red	 Ss
 shale, grn	 Carbon Sh	 Shcol	

ACCESSORIES

MINERAL
 ▲ Chert, dark
 P Pyrite
 . Sandy
 △ Chert White

FOSSIL
 F Fossils < 20%
 ○ Oolite
 ⊕ Oomoldic

STRINGER
 ■ Siltstone

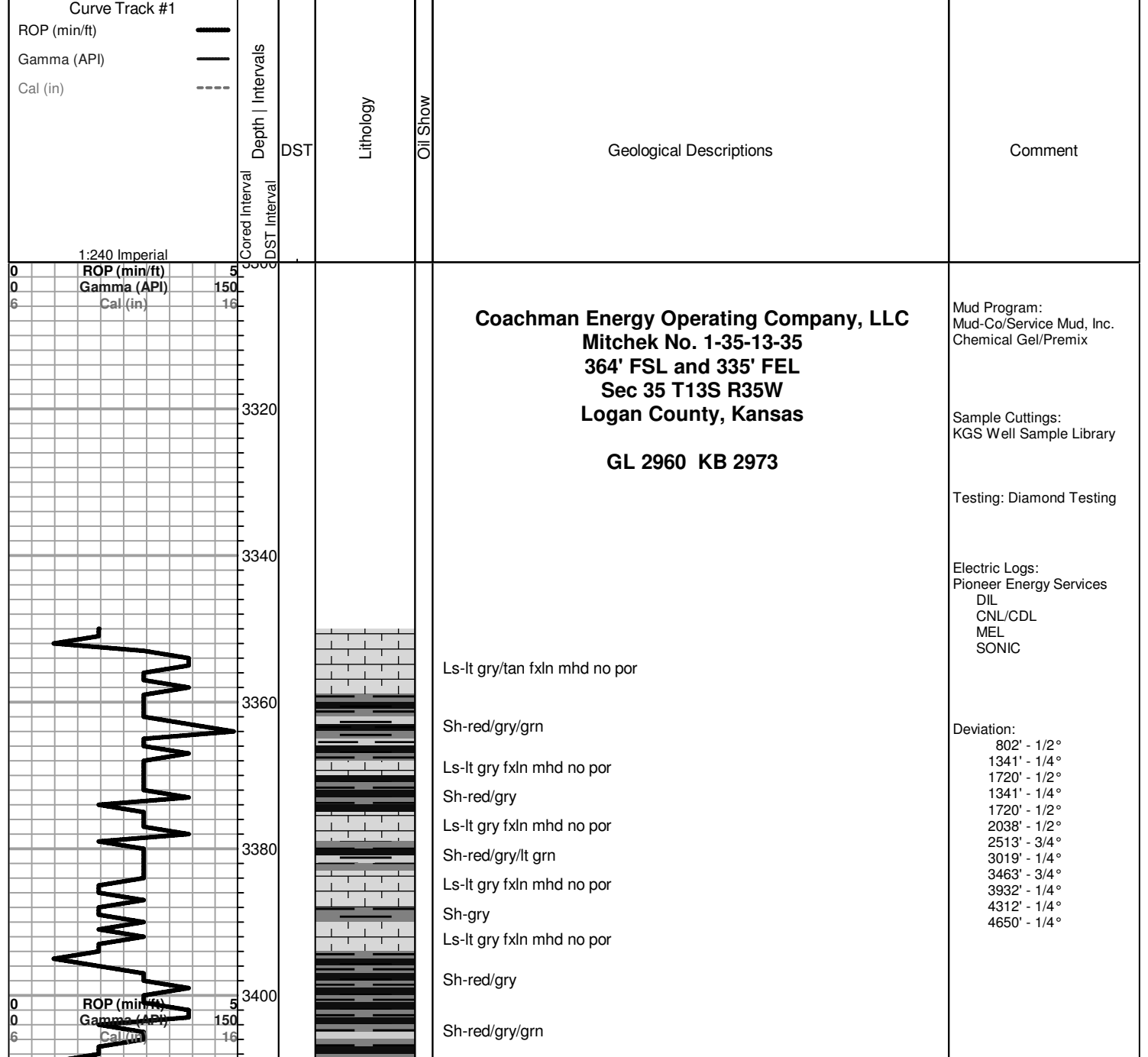
TEXTURE
 C Chalky

OTHER SYMBOLS

MISC
 [DR] Daily Report
 [Photo] Digital Photo
 [Doc] Document
 [Folder] Folder
 [Link] Link
 [VLog] Vertical Log File
 [HLog] Horizontal Log File
 [CoreLog] Core Log File
 [Cuttings] Drill Cuttings Rpt

DST
 ■ DST Int
 ■ DST alt
 ■ Core

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Coachman Energy Operating Company, LLC
Mitchek No. 1-35-13-35
364' FSL and 335' FEL
Sec 35 T13S R35W
Logan County, Kansas
GL 2960 KB 2973

Mud Program:
 Mud-Co/Service Mud, Inc.
 Chemical Gel/Premix

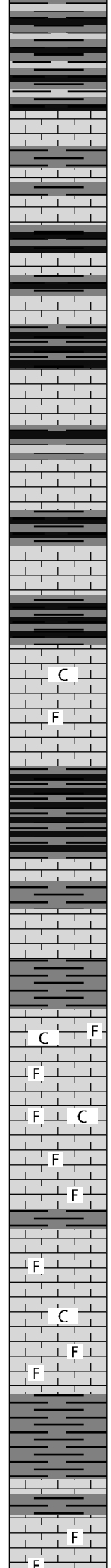
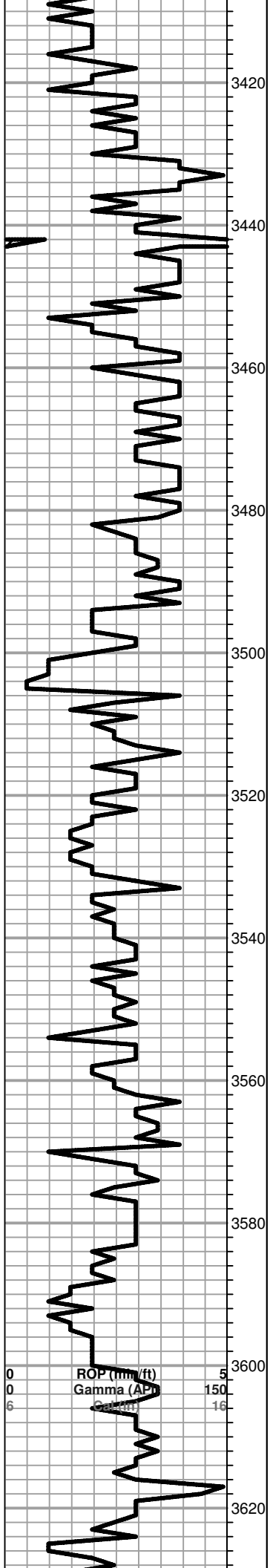
Sample Cuttings:
 KGS Well Sample Library

Testing: Diamond Testing

Electric Logs:
 Pioneer Energy Services
 DIL
 CNL/CDL
 MEL
 SONIC

Deviation:
 802' - 1/2°
 1341' - 1/4°
 1720' - 1/2°
 1341' - 1/4°
 1720' - 1/2°
 2038' - 1/2°
 2513' - 3/4°
 3019' - 1/4°
 3463' - 3/4°
 3932' - 1/4°
 4312' - 1/4°
 4650' - 1/4°

Ls-lt gry/tan fxln mhd no por
 Sh-red/gry/grn
 Ls-lt gry fxln mhd no por
 Sh-red/gry
 Ls-lt gry fxln mhd no por
 Sh-red/gry/lt grn
 Ls-lt gry fxln mhd no por
 Sh-gry
 Ls-lt gry fxln mhd no por
 Sh-red/gry
 Sh-red/gry/grn



Sh-AA

Sh-AA

----- **Tarkio 3424 -451** -----

Ls-lt gry/tan fxln mhd no por

Sh-gry

Ls-lt gry/tan fxln mhd no por

Sh-gry

Ls-tan fxln mhd no por

Sh-red/gry

Ls-tan fxln mhd no por

Sh-red/gry

Ls-tan fxln mhd no por

Sh-red/gry

Ls-lt gry/tan fxln mhd no por

Sh-red/gry/grn

Ls-lt gry/tan fxln mhd no por

Sh-red/gry

Ls-lt gry/crm fxln mhd no por

Sh-red/gry

Ls-crm/lt tan fxln /soft/mhd sl clk pr inter xln por nsfo

C

Ls-crm/lt gry fxln mhd no por sm Ls-gry mxln mhd fos no por

F

Ls-crm/tan fxln mhd no por

Sh-red/gry

Sh-AA

Ls-crm/tan fxln mhd no por

Sh-gry

Ls-lt gry/crm fxln mhd no por

Sh-gry

----- **Topeka 3550 -577** -----

C F

Ls-lt gry/crm fxln mhd sl fos no por sm Ls-crm fxln soft clk no por

F

Ls-lt gry/crm fxln sl fos mhd no por

F C

Ls-lt gry f/mxln mhd fos no por sm Ls-crm/wt fxln soft clk no por

F

Ls-lt gry f/mxln mhd fos no por

Ls-AA

Sh-gry

Ls-lt gry/crm f/mxln mhd sl fos no por

Ls-AA sm Ls-wt fxln soft clk no por

C

Ls-lt gry/crm f/mxln mhd sl fos no por

F

Ls-lt gry/crm f/mxln mhd/dns sl fos no por

Sh-gry/dk gry

Sh-AA

Ls-lt gry fxln mhd no por

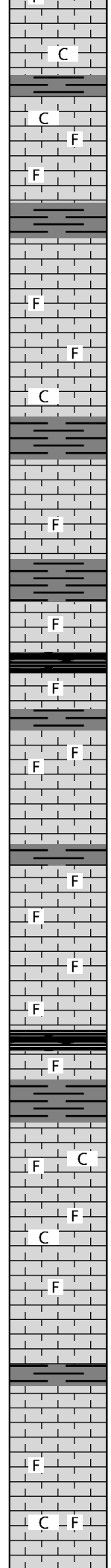
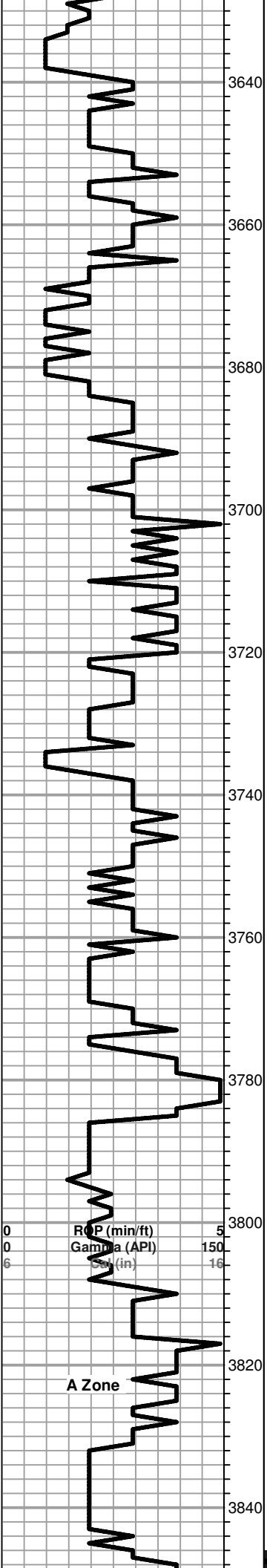
Sh-gry/dk gry

Ls-lt gry/gry f/mxln mhd/dns fos no por

F

Ls-lt gry/gry f/mxln mhd fos no por

All formation tops on this geological log have been correlated back to the electric log

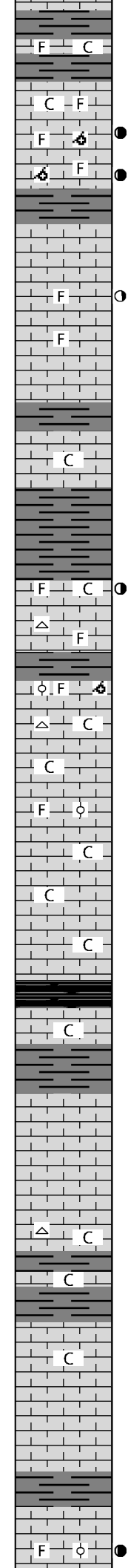
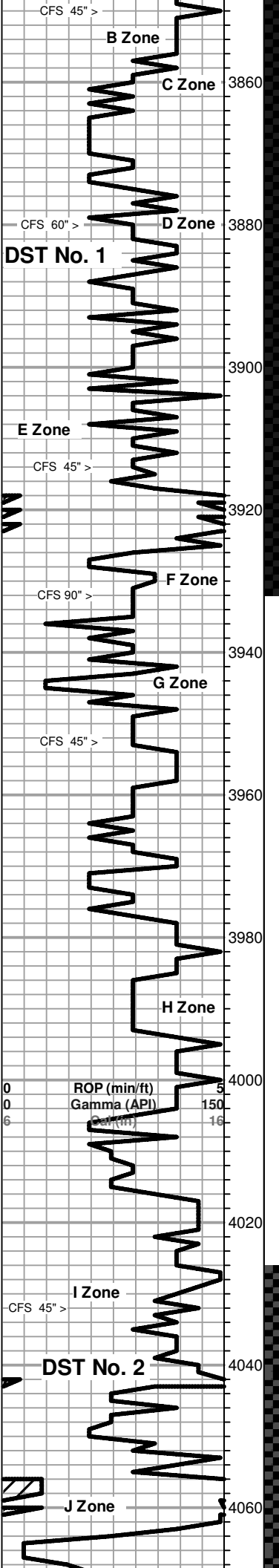


Ls-lt gry/gry f/mxln mhd fos no por
 C
 Sh-gry/dk gry
 C
 Ls-tan/crm fxln mhd sl fos no por sm Ls-crm fxln soft clky no por
 F
 Ls-tan fxln mhd/dns sl fos no por
 ----- **King Hill 3658 -685** -----
 Sh-gry/dk gry
 Ls-tan fxln mhd/dns no por
 F
 Ls-lt gry/tan f/mxln mhd fos fr inter xln por nsfo
 F
 Ls-AA
 C
 Ls-tan fxln mhd sl fos no por sm Ls-crm/wt fxln soft clky no por
 Sh-gry/dk gry
 Ls-tan/crm fxln mhd/dns no por
 F
 Ls-tan/crm fxln mhd/dns sl fos no por
 Sh-gry/dk gry
 F
 Ls-tan/crm fxln mhd/dns sl fos no por
 ----- **Queen Hill 3720 -747** -----
 F
 Ls-tan/crm fxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/lt gry fxln mhd sl fos no por
 F F
 Ls-lt gry/tan fxln mhd sl fos fr inter xln por nsfo
 Ls-lt gry/tan fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-lt gry/tan fxln mhd sl fos no por
 F
 Ls-lt gry/tan fxln mhd/dns sl fos no por
 F
 Ls-lt gry/tan fxln mhd sl fos fr inter xln por nsfo
 F
 Ls-lt gry/tan fxln mhd/dns sl fos no por
 ----- **Heebner 3773 -800** -----
 F
 Ls-lt gry/tan fxln mhd/dns sl fos no por
 Sh-gry/dk gry
 ----- **Toronto 3786 -813** -----
 F C
 Ls-lt gry/gry f/mxln mhd sl fos no por sm Ls-wt/lt gry fxln soft clky no por
 Ls-AA
 F
 C
 Ls-AA
 F
 Ls-lt gry/tan f/mxln mhd/dns sl fos no por
 Ls-lt gry/tan fxln dns no por
 ----- **Lansing 3823 -850** -----
 F
 Ls-lt gry/crm fxln dns no por
 F
 Ls-tan/crm mxln mhd fos fr inter fos por nsfo
 C F
 Ls-AA sm Ls-wt fxln soft clky no por
 Ls-crm/tan fxln mhd/dns no por

Mud Data 3644'
 7:30 am on 10-26-16
 Wt 8.7 Vis 60 WL 7.2
 pH 11 Chl 2800 Sol 2.6%
 YP 18 LCM 2#

0 ROP (min/ft) 5
 0 Gamma (API) 150
 6 SGR (in) 16

A Zone



Sh-gry/dk gry
 Ls-lt gry/crm/tan fxln mhd/dns sl clkly sl fos no por
 Sh-gry/dk gry

Ls-lt gry/crm/tan fxln mhd sl clkly sl fos no por

Ls-tan fxln mhd fos sl oom gd inter fos/vug por dk brn sat stn gd cut
 fgso and gas bub on brk sl odor

Ls-AA

Sh-gry/dk gry

Ls-crm/lt gry fxln dns no por

Ls-crm/lt gry fxln mhd sl fos no por sm Ls-crm/lt gry (5 pcs) fxln mhd
 sl fos dk brn sct stn sl cut ssfo on brk

Ls-crm/lt gry fxln mhd sl fos no por

Ls-crm/lt gry/tan fxln mhd/dns no por

Sh-gry/dk gry

Ls-lt gry/crm fxln mhd/dns no por sm Ls-wt fxln soft clkly no por

Sh-gry/dk gry

Ls-lt gry/tan fxln mhd/dns no por sm Ls-brn (3 pcs) fxln mhd sl fos
 fr inter xln por brn spt stn fr cut ssfo on brk

Ls-crm/tan/lt gry fxln mhd/dns sl fos no por sm Cht-wt fsh opa

Sh-gry/dk gry

Ls-lt gry fxln mhd fos oom and ool gd ooc por nsfo

Ls-crm/lt tan fxln mhd sl clkly no por sm Cht-wt fsh opa

Ls-lt gry/tan fxln mhd/dns no por sm Ls-wt fxln soft clkly no por

Ls-fxln mhd fos ool and ooc fr ooc por nsfo

Ls-crm fxln mhd clkly no por

Ls-AA

Ls-crm/lt gry fxln mhd/dns clkly no por

----- **Muncie Creek 3986 -1013** -----

Sh-blk carb

Ls-crm/lt gry fxln mhd clkly no por

Sh-gry/dk gry

Ls-lt gry/gry fxln mhd/dns no por

Ls-lt gry/gry fxln mhd no por

Ls-lt gry/tan fxln mhd/dns no por

Ls-lt gry/crm fxln mhd/dns sl clkly no por sm Cht-wt fsh opa

Sh-gry/dk gry

Ls-lt gry/crm fxln mhd sl clkly no por

Sh-gry/dk gry

Ls-crm/tan fxln mhd sl clkly no por

Ls-lt gry/tan fxln dns no por

Ls-lt gry/tan fxln mhd no por

Ls-crm/lt gry fxln dns no por

Sh-gry/dk gry

Ls-crm/lt gry fxln dns no por

Ls-lt gry fxln mhd fos fr vug por dk brn spt stn gd cut fgso on brk ft odor
 and Ls-tan fxln mhd fos ool and ooc gd ooc por nsfo

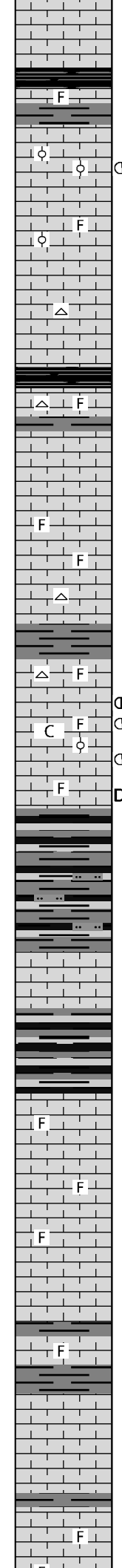
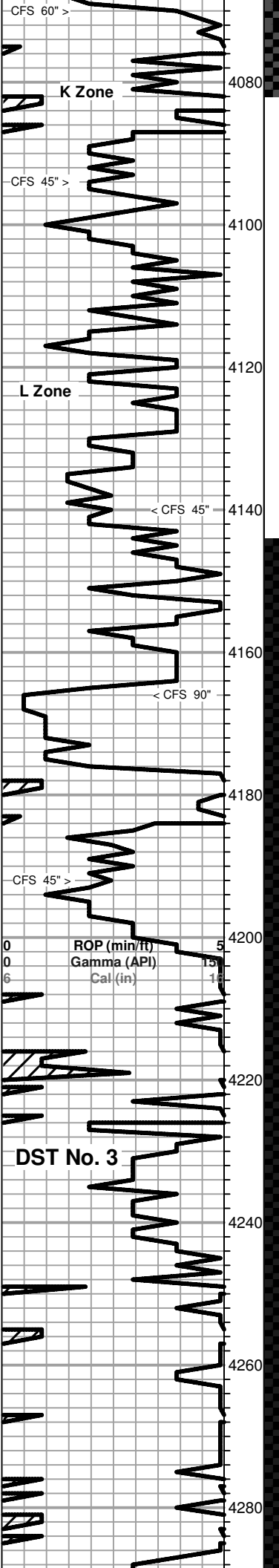
DST No. 1
 3846 to 3932
 30-45-45-60
 1st Open: BOB in 5"
 2nd Open: BOB in 6"
 Recovery: 1100' MCW
 (15%M, 85%W
 Chl 39,000 ppm)
 IHP 1804 FHP 1781
 IFP 62-258 FFP 274-496
 ISIP 1171 FSIP 1169
 Temp 117°

Pulled 20 stand short trip at
 3932', then cir for test 90"

Pipe strap at 3932'
 Long 2.21'

Mud Data 3932'
 6:40 am on 10-27-16
 Wt 9.0 Vis 53 WL 6.8
 pH 11 Chl 2500 Sol 4.9%
 YP 15 LCM 2#

DST No. 2
 4026 to 4082
 Straddle Test
 30-60-60-90
 1st Open: BOB in 20"
 2nd Open: BOB in 25"
 Recovery: 500' MCW
 (25%M, 75%W
 Chl 45,000 ppm)
 IHP 1896 FHP 1867
 IFP 21-139 FFP 145-266
 ISIP 1279 FSIP 1276
 Temp 119°



Ls-tan/lt gry fxln mhd/dns no por

----- **Stark 4078 -1105** -----

Ls-lt gry/tan fxln dns fos no por
Sh-gry/dk gry
Ls-tan/gry fxln mhd/dns no por
Ls-lt gry/tan f/mxln mhd fos no por sm Ls-tan fxln mhd fos ool sl ooc fr ooc por nsfo and sm Ls-crm fxln mhd trc inter xln por gils stn fr cut ssfo on brk
Ls-lt gry/tan fxln mhd/dns no por
Ls-lt gry/tan fxln mhd no por sm Ls-lt gry fxln mhd fos ool and ooc fr ooc por nsfo
Ls-lt gry/tan fxln mhd/dns no por
Ls-lt gry/tan fxln mhd no por sm Cht-wt/lt gry fsh opaq
Ls-AA

----- **Hushpuckney 4120 -1147** -----

Sh-blk carb
Ls-lt gry/crm fxln mhd/dns fos no por sm Cht-wt/lt gry fsh opaq
Sh-gry/dk gry
Ls-lt gry/gry fxln mhd no por
Ls-AA
Ls-lt gry/gry/tan mxln to sl blkly mhd sl fos no por
Ls-tan/gry mxln mhd fos no por
Ls-lt gry/tan fxln mhd/dns no por sm Cht-wt/lt gry fsh opaq

----- **Base/Kansas City 4156 -1183** -----

----- **Pleasanton 4161 -1188** -----

Ls-lt gry/tan f/mxln mhd/dns sl fos no por sm Cht-lt gry fsh opaq
Ls-crm/tan fxln to sl blkly mhd pr inter xln por brn spt stn fr cut ssfo on brk
Ls-tan fxln mhd sl clkly pr inter xln por brn spt stn fr cut ssfo on brk sm Ls-tan mxln mhd sl clkly fos sl ool pr inter xln por brn spt stn sl cut ssfo on brk
Ls-lt gry/tan fxln mhd sl clkly sl fos pr vug por brn spt stn sl cut ssfo on brk

Ls-tan mxln mhd fos to blkly sl gils no por

Sh-gry/grn/dk gry/red
Sh-AA sm Siltstone-lt grn/gry
Sh and Siltstone-AA

----- **Marmaton 4202 -1229** -----

Ls-tan fxln dns no por
Sh-gry/dk gry/dk grn/red and sm mar
Sh-AA
Ls-tan mxln to blkly fos mhd no por
Ls-tan f/mxln mhd sl fos no por
Ls-AA
Ls-tan/crm f/mxln mhd fos no por sm Ls-lt gry with yellowish tint mxln mhd no por
Ls-lt gry/crm fxln dns no por

----- **Altamont 4264 -1291** -----

Ls-lt gry fxln dns no por and Ls-lt gry/crm blkly dns fos no por
Sh-gry/dk gry
Ls-lt gry/gry fxln dns no por
Ls-AA
Sh-gry/dk gry
Ls-lt gry with yellowish tint mxn to blkly mhd fos no por
Ls-lt arv/arv/crm fxln mhd/dns sl fos no por

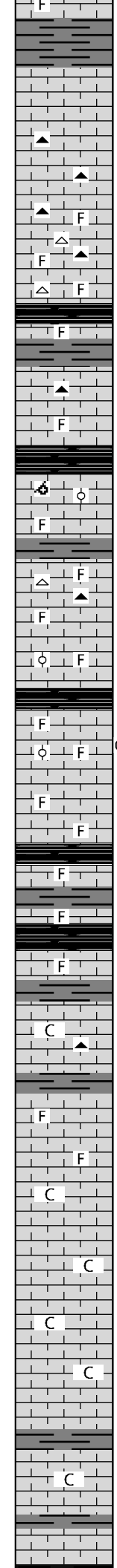
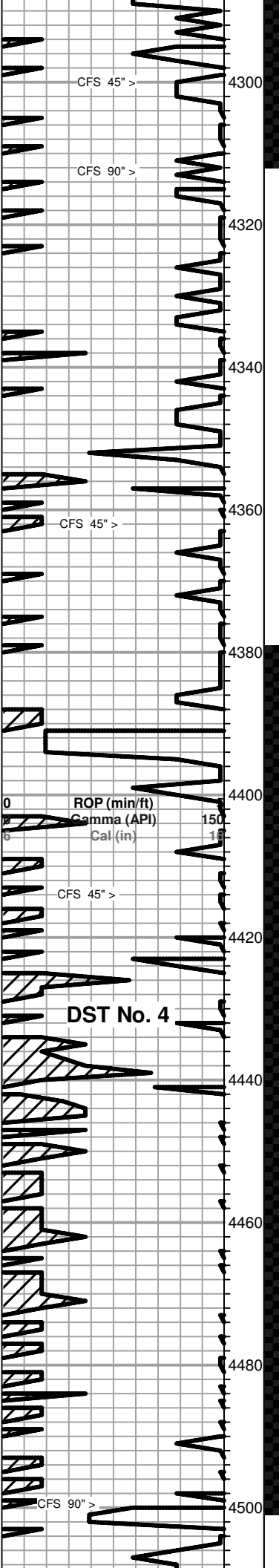
Mud Data 4094'
7:00 am on 10-28-16
Wt 9.1 Vis 51 WL 6.4
pH 11 Chl 4000 Sol 5.3%
YP 14 LCM 2#

Pulled 10 stand short trip at 4166', then cir for test 90"

Mud Data 4166'
5:20 am on 10-29-16
Wt 9.0 Vis 54 WL 8.8
pH 10.5 Chl 4400 Sol 4.6%
YP 16 LCM 2#

DST No. 3
4144 to 4312
30-45-30-60
1st Open: BOB is 15 sec
2nd Open: No blow, tool plugged with cuttings
Recovery: 2775' MCW
(20%M, 80%W
Chl 40,000 ppm)

IHP 2046
IFP 716-1219
ISIP 1242
FFP 1242-1247
FSIP 1264
FHP 2002
Temp 124°



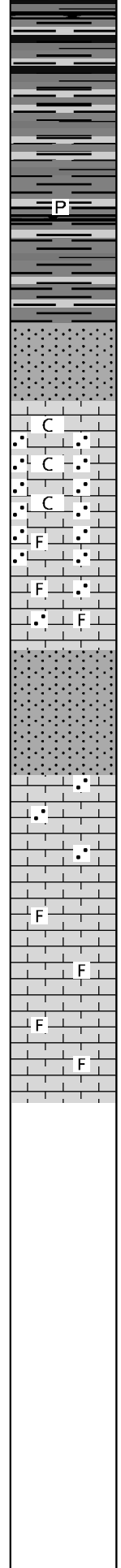
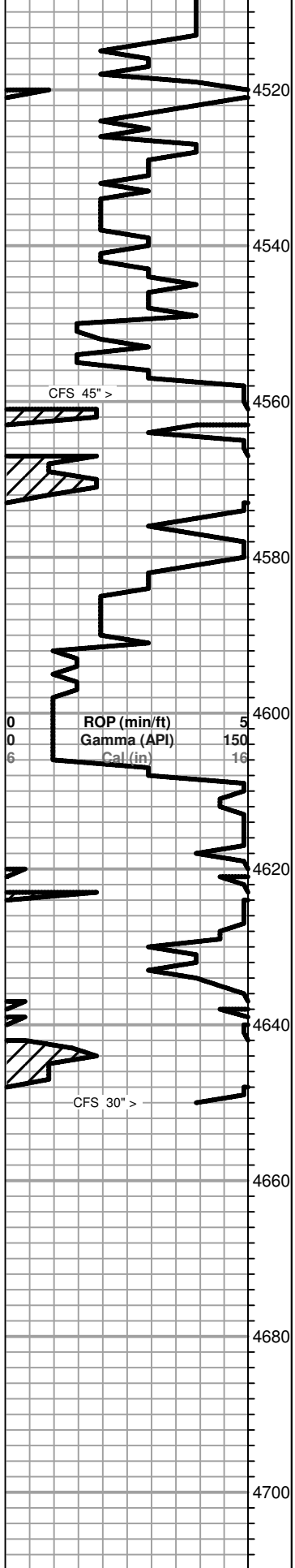
Sh-gry/dk gry
----- **Pawnee 4298 -1325** -----
Ls-lt gry/gry fxln dns no por
Ls-lt gry/gry fxln dns no por sm Cht-lt gry/gry fsh opa
Ls-AA sm Cht-gry fsh opa
Ls-gry/tan mxln dns fos no por sm Cht-wt/gry fsh opa
Ls-gry/tan/lt gry mxn dns fos no por sm Cht-gry/lt gry fsh opa
Ls-lt gry/gry mxln dns sl fos no por sm Cht-wt/lt gry fsh opa
Sh-blk carb
Ls-lt gry/gry f/mxln dns sl fos no por
----- **Fort Scott 4340 -1367** -----
Ls-lt gry/gry fxln dns no por sm Cht-gry fsh opa
Ls-AA with sm Ls-tan/lt gry mxln mhd fos no por
----- **Upper Cher Shale 4351 -1378** -----
Sh-blk carb
Ls-tan f/mxln mhd/dns fos ool and oom no por
Ls-crm/tan fxln dns no por and Ls-tan mxln dns fos no por
Sh-gry/dk gry
Ls-crm/tan fxln dns no por and Ls-tan mxln dns fos no por sm Cht-wt/gry fsh opa
Ls-tan/lt gry fxln dns no por and Ls-tan mxln dns fos no por
Ls-AA sm Ls-lt gry mxln mhd/dns fos ool no por
----- **Lower Cher Shale 4385 -1412** -----
Sh-blk crb
Ls-lt gry mxln mhd fos no por
Ls-AA with Ls-lt gry (3 pcs) mxln mhd fos ool fr inter fos/vug por brn sptd stn gd cut fgsfo on brk
Ls-tan/gry f/mxln mhd/dns fos no por
Ls-tan/lt gry f/mxln mhd fos no por
Ls-tan/gry f/mxln dns fos no por
Sh-blk carb
Ls-lt gry mxln mhd fos no por
Sh-gry/dk gry
Ls-lt gry/tan f/mxln mhd fos no por
Sh-blk carb
Ls-lt gry/tan f/mxln mhd fos no por
----- **Johnson Zone 4429 -1456** -----
Ls-lt gy fxln dns no por sm Ls-crm fxln mhd clkly no por sm Cht-gry fsh opa
Sh-gry/dk gry
Ls-lt gry gxln dns no por sm Ls-tan fxln dns sl fos no por
Ls-AA
Ls-lt gry/crm fxln mhd/dns sl clkly no por
Ls-AA
Ls-lt gry/crm fxln dns sl clkly no por
Ls-AA
Sh-gry/dk gry
Ls-lt gry/crm fxln dns sl clkly no por
----- **Morrow 4500 -1527** -----
Ls-lt gry/gry fxln dns no por

Mud Data 4312'
7:10 am on 10-30-16
Wt 9.4 Vis 59 WL 9.6
pH 10.5 Chl 5000 Sol 7.3%
YP 17 LCM 1#

DST No. 4
4380 to 4500
30-60-45-60
1st Open: Weak blow throughout - 1/4"
2nd Open: No blow
Recovery: 65' Mud
IHP 2085 FHP 2076
IFP 22-31 FFP 35-47
ISIP 1216 FSIP 1139
Temp 115°

Mud Data at 4500
8:20 am on 10-31-16
Wt 9.5 Vis 54 WL 8.8
pH 10 Chl 4700 Sol 8.2%
YP 16 LCM 1#

DST No. 4



Sh-gry/grn/red sm yel, lt pur, blk, and mar

Sh-AA

Sh-gry/lt gry/lt grn/lt pur sm yel

Sh-AA

Sh-gry/lt grn/lt gry sm yel, lt pur, and blk sm pyr

Sh-AA

Sh-gry/grn

Ss-wt fgrr sub ang tite cement with Ss-wt fgrr sub rnd fri nsfo

----- **Mississippi 4560 -1587** -----

Ls-crm/lt gry fxln mhd/dns sl clky no por

Ls-crm fxln mhd sl clky sdy no por

Ls-crm/tan fxln fxln dns sl clky sdy no por

Ls-tan fxln mhd sl fos sdy no por

Ls-tan fxln mhd/dsn sl fos sdy no por

Ls-crm/lt tan fxln mhd sl fos sl sdy no por

Ss-wt fgrr sub ang to sub rnd tite cement to sl fri nsfo

Ss-AA

Ss-AA

Ls-crm/lt tan fxln to sl gran mhd/dns no por

Ls-AA

Ls-crm/lt tan f/mxln mhd/dns sl fos no por

Ls-AA

Ls-crm/tan/lt gry fxln mhd/dns sl fos no por

----- **RTD 4650 -1677** -----

Finished drilling at 6:41 am on 11-1-16. Pulled 10 stand short trip, then circulated for log 90 minutes.

Finished logging at 6:30 pm on 11-1-16.

Mitchek 1-35 DST 1 ALL-1.jpg

Mitchek 1-35 DST 2 Straddle ALL-4.jpg

Mitchek 1-35 DST 3 ALL-3.jpg

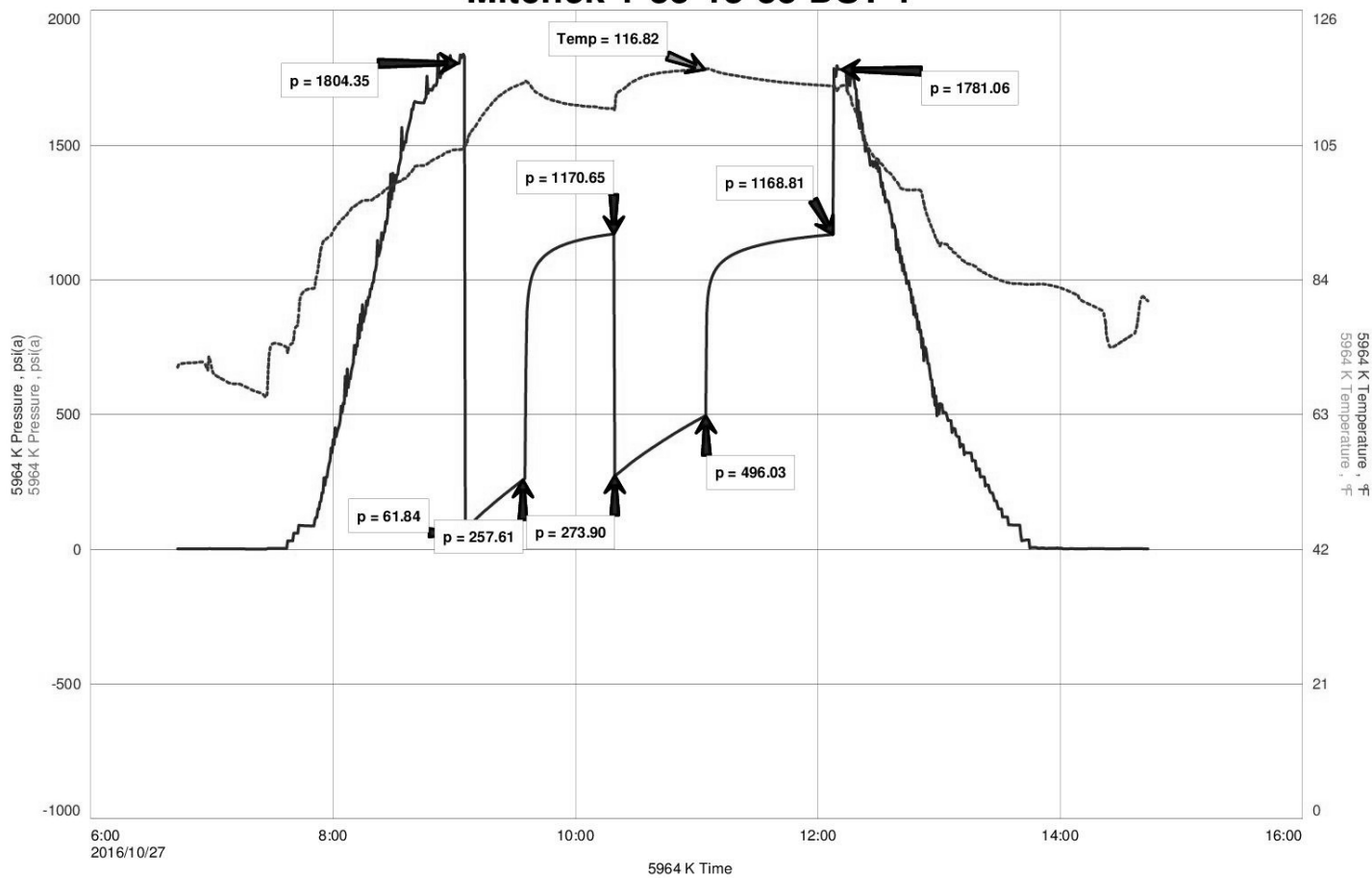
Mitchek 1-35 DST 4 ALL-1.jpg

Mitchek 1-35 DST 1 ALL-1.jpg

Coachman
DST 1 Lan C,D & E 3846-3932
Start Test Date: 2016/10/27
Final Test Date: 2016/10/27

Mitchek 1-35-13-35
Formation: Lan C,D & E
Job Number: W250

Mitchek 1-35-13-35 DST 1

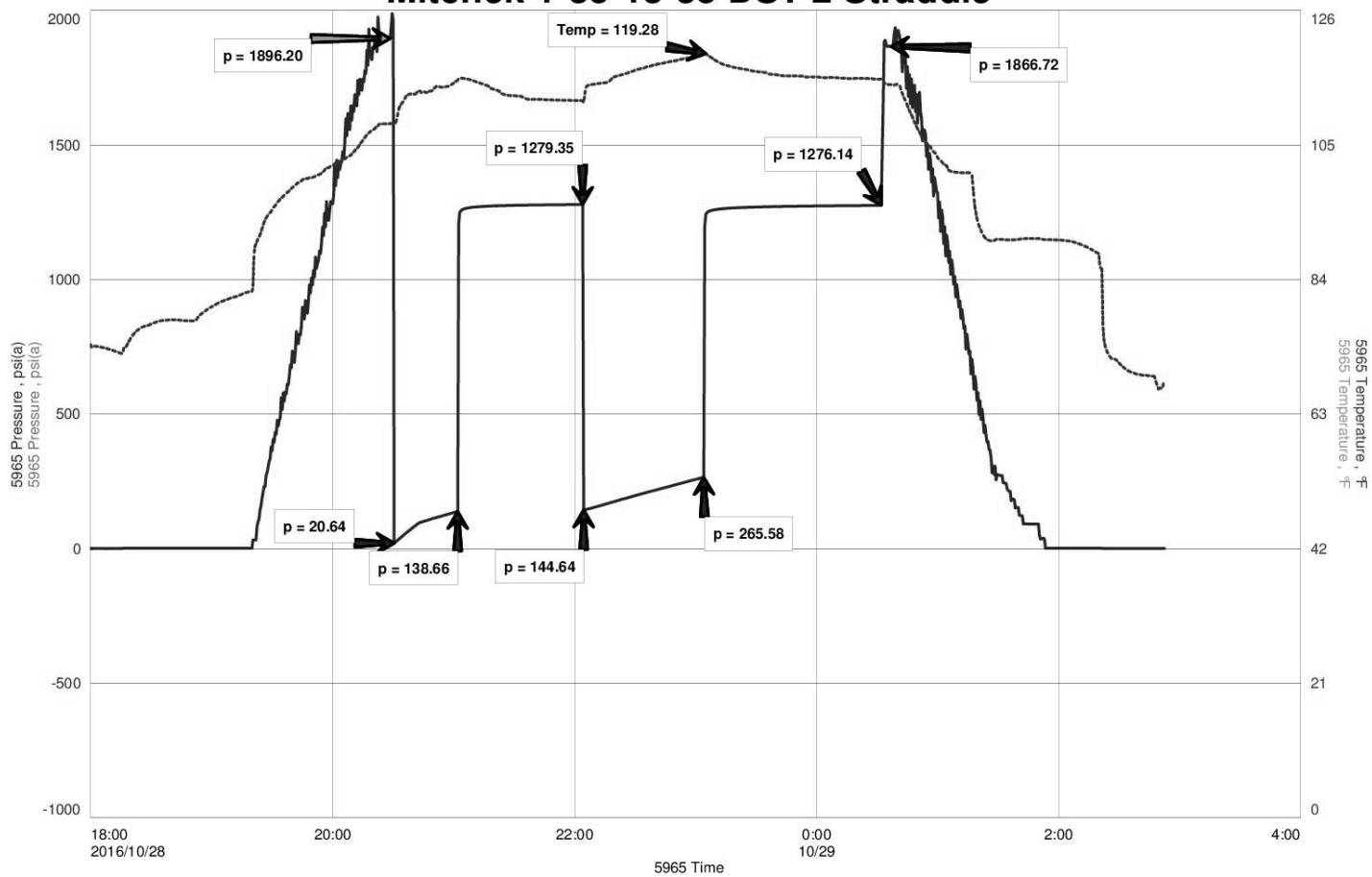


Mitchek 1-35 DST 2 Straddle ALL-4.jpg

Coachman
DST 2 Straddle Lan I&J 4026-4082
Start Test Date: 2016/10/28
Final Test Date: 2016/10/29

Mitchek 1-35-13-35
Formation: Lan I&J
Job Number: W251

Mitchek 1-35-13-35 DST 2 Straddle

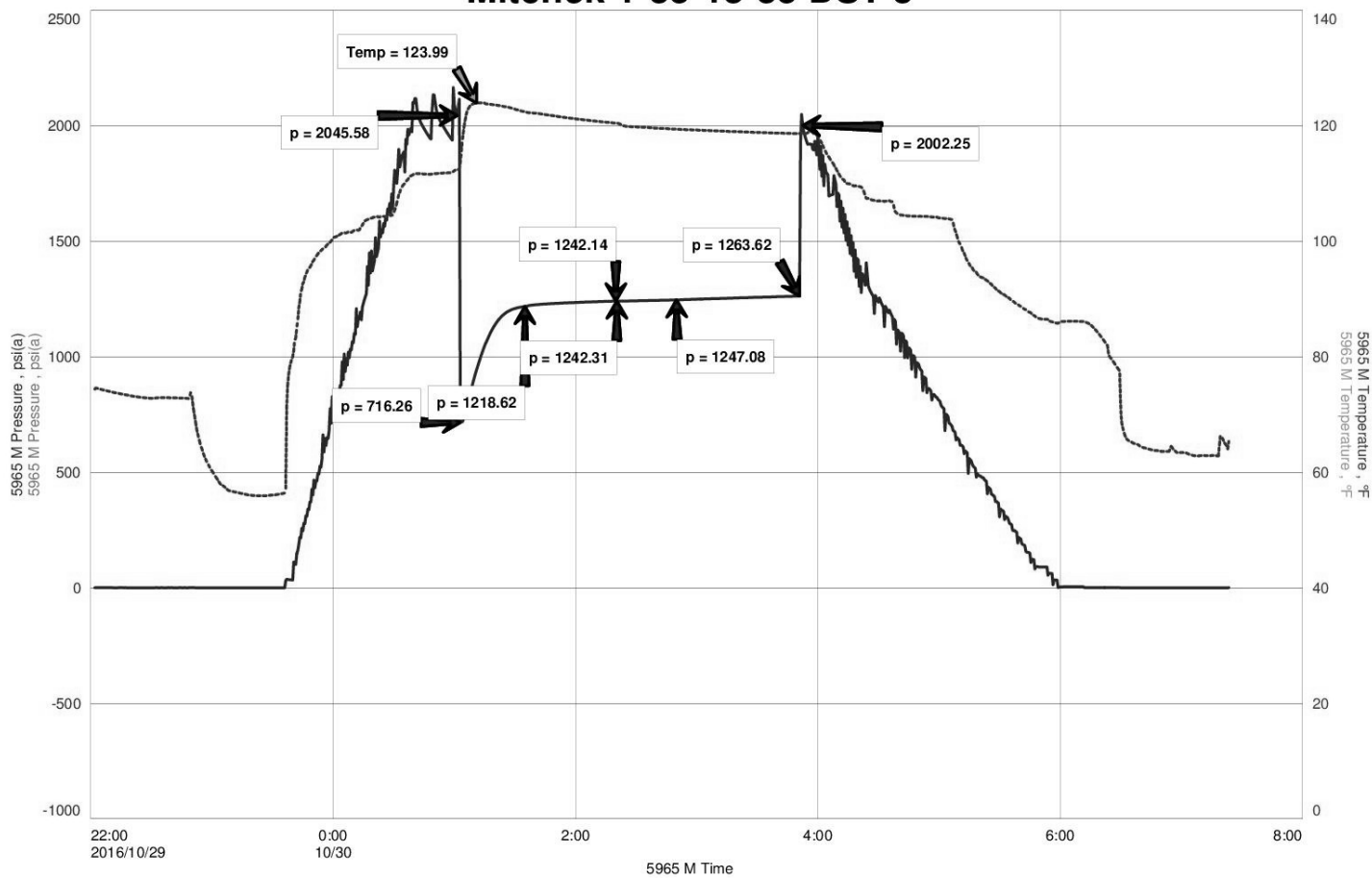


Mitchek 1-35 DST 3 ALL-3.jpg

Coachman
DST 3 Pleasanton, Marmaton, Altamont, Pawnee 4144-4312
Start Test Date: 2016/10/29
Final Test Date: 2016/10/30

Mitchek 1-35-13-35
Formation: Pleasanton, Marmaton, Altamont, Pawnee
Job Number: W252

Mitchek 1-35-13-35 DST 3



Mitchek 1-35 DST 4 ALL-1.jpg

Coachman
DST 4 Lower Charokee/Johnson 4380-4500
Start Test Date: 2016/10/31
Final Test Date: 2016/10/31

Mitchek 1-35-13-35
Formation: Lower Charokee/Johnson
Job Number: W253

Mitchek 1-35-13-35 DST 4

