

OPERATOR

Company: Falcon Exploration, Inc.
 Address: 125 N. Market
 Suite 1252
 Wichita, KS 67202
 Contact Geologist: Brian Fisher
 Contact Phone Nbr: 316-262-1378
 Well Name: RCJ #1-34 (NW)
 Location: Sec. 34 - T28S - R30W
 Pool:
 State: Kansas

API: 15-069-20389-0000
 Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: RCJ #1-34 (NW)
 Surface Location: Sec. 34 - T28S - R30W
 Bottom Location:
 API: 15-069-20389-0000
 License Number: 5316
 Spud Date: 8/22/2012 Time: 00:00
 Region: Gray County
 Drilling Completed: 9/1/2011 Time: 18:48
 Surface Coordinates: 250' FNL & 940' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 13.00ft
 K.B. Elevation: 2740.00ft
 Logged Interval: 0.00ft To: 0.00ft
 Total Depth: 5425.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 250' FNL
 E/W Co-ord: 940' FWL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: KLG #136 Name: Keith Reavis

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 8/22/2012 Time: 00:00
 TD Date: 9/1/2011 Time: 18:48
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2740.00ft Ground Elevation: 13.00ft
 K.B. to Ground: 2727.00ft

NOTES

Due to the negative results of the three drill stem tests, lack of hydrocarbon shows and confirmation by electrical log evaluation, it was determined that the RCJ #1-34 be plugged and abandoned as a dry hole.

A Tooke Daq gas detector operated by Sterling Drilling was employed on this well. ROP and gas curves were imported into this log. The gamma ray and caliper curves were imported from the electrical log data. Electrical log tops were consistently 2-5 ft lower than picked sample tops on this well. The ROP and gamma ray curves were not shifted to provide an exact match, but rather left as recorded in the field.

The samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,
 Keith Reavis

Falcon Exploration, Inc
daily drilling report

DATE	7:00 AM DEPTH	REMARKS
08/25/2012		Geologist Keith Reavis on location @ 2200 hrs, 2521 ft., drilling ahead Permian and Chase Group
08/26/2012	2961	drilling ahead, Fort Riley, Neva, Foraker
08/27/2012	3560	gas kick in Stotler warrants DST, short trip, ctch, could not get a tester, drill Tarkio, gas kick warrants test, TOH and strap for DST #1, complete DST #1, successful test, run in tools to straddle Stotler on DST #2
08/28/2012	3560	complete DST #2, successful test, resume drilling, Bern, Topeka
08/29/2012	4149	drilling ahead, Lecompton, Heebner, Douglas, Lansing, Lansing A zone not worthy of test, TOH with bit, back in with PDC bit, hit bridge and stuck pipe 5 stands, off bottom, wait on oil, load hole with oil
08/30/2012	4298	let oil soak, worked pipe, broke free at 0100 hrs, kelley up, break down stands and ream to bottom, ctch, drilling @ 0409 hrs, gas kicks in both I and J zones warrant test, re-condition gassy mud, short trip, out w/bit, in w/tools, conducting DST #3
08/31/2012	4521	complete DST #3, successful test, back in hole with bit, resume drilling Stark, BKC, Marmaton, Cherokee
09/01/2012	5174	drilling ahead, Cherokee, Mississippian, TD @ 4325 ft @ 1848 hrs, short trip, TOH w/bit, conduct logging operations
09/02/2012	5425	complete logging operations, geologist off loc. @ 0930 hrs

Falcon Exploration, Inc.
well comparison sheet

DRILLING WELL					COMPARISON WELL			
RCJ #1-34					Ladd Pet. Reed #1			
250' FNL & 940' FWL					330' FNL & 2310' FWL			
Sec 34-T28S-R30W					Sec 3-T29S-R30W			
2740 KB					2772 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Chase	2604	136	2604	136	2640	132	4	4
Winfield	2676	64	2677	63	2701	71	-7	-8
Towanda	2721	19	2729	11	2754	18	1	-7
Ft. Riley	2773	-33	2777	-37	2806	-34	1	-3
Neva	3097	-357	3096	-356	3128	-356	-1	0
Foraker	3205	-465	3212	-472	3250	-478	13	6
Stotler	3451	-711	3454	-714	3478	-706	-5	-8
Tarkio	3520	-780	3523	-783	3551	-779	-1	-4
Topeka	3726	-986	3732	-992	3760	-988	2	-4
Heebner	4069	-1329	4071	-1331	4090	-1318	-11	-13
Lansing	4174	-1434	4176	-1436	4190	-1418	-16	-18
Stark Sh.	4539	-1799	4544	-1804	4564	-1792	-7	-12
Marmaton	4677	-1937	4682	-1942	4711	-1939	2	-3
Pawnee	4777	-2037	4781	-2041	4812	-2040	3	-1
Cherokee	4818	-2078	4822	-2082	4852	-2080	2	-2
St. Gen	5129	-2389	5133	-2393	5174	-2402	13	9
Total Depth	5425	-2685	5430	-2690	7344	-4572	1887	1882



DRILL STEM TEST REPORT

Falcon Exploration Incorporated
 125 North Market
 Suite 1252
 Wichita, Kansas 67202+1719
 ATTN: Keith Reavis

34/28S/30W/Gray
RCJ #1-34
 Job Ticket: 17673 DST#: 1
 Test Start: 2012.08.27 @ 10:16:00

GENERAL INFORMATION:

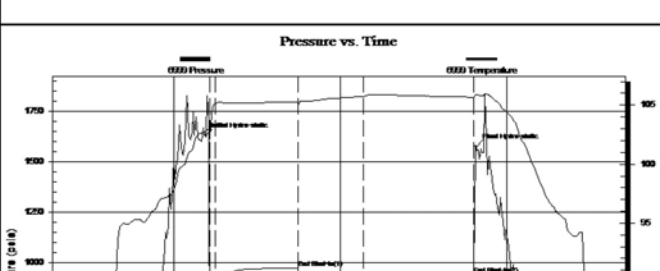
Formation: Tarkio
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:39:00
 Time Test Ended: 19:39:30
 Test Type: Conventional Straddle (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/240
 Interval: 3515.00 ft (KB) To 3532.00 ft (KB) (TVD)
 Total Depth: 3560.00 ft (KB) (TVD)
 Reference Elevations: 2740.00 ft (KB)
 2727.00 ft (CF)
 Hole Diameter: 7.88 inches/Hole Condition: Fair
 KB to GR/CF: 13.00 ft

Serial #: 6999

Press@RunDepth: 243.16 psia @ 3526.65 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.27 End Date: 2012.08.27 Last Calib.: 2012.08.27
 Start Time: 10:16:00 End Time: 19:39:30 Time On Btm: 2012.08.27 @ 12:34:00
 Time Off Btm: 2012.08.27 @ 17:26:30

TEST COMMENT:

1ST Open 5 Minutes/Strong blow/Blow to bottom of bucket in 45 seconds
 1ST Shut In 90 Minutes/No blow back
 2ND Open 70 Minutes/Strong blow/Blow to bottom of bucket in 15 seconds/Gas to surface in 8 minutes
 2ND Shut In 120 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1630.43	102.78	Initial Hydro-static
5	265.37	102.11	Open To Flow (1)
11	87.12	105.15	Shut-In(1)
100	975.88	105.28	End Shut-In(1)
101	136.83	105.05	Open To Flow (2)
171	243.16	105.72	Shut-In(2)

	<table border="1"> <tr> <td>290</td> <td>943.01</td> <td>105.67</td> <td>End Shut-In(2)</td> </tr> <tr> <td>293</td> <td>1576.18</td> <td>105.90</td> <td>Final Hydro-static</td> </tr> </table>	290	943.01	105.67	End Shut-In(2)	293	1576.18	105.90	Final Hydro-static																														
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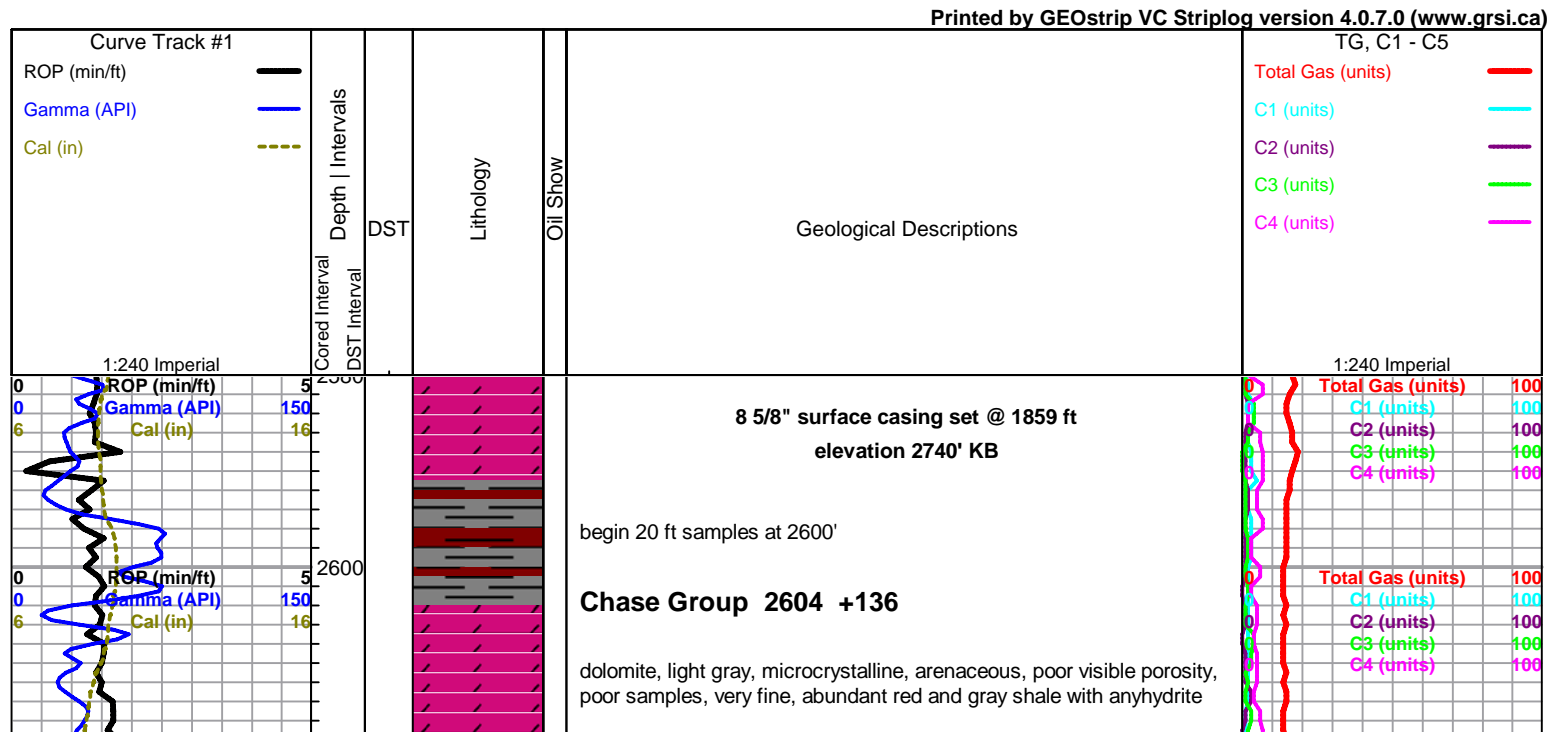
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	Falcon Exploration Incorporated 125 North Market Suite 1252 Wichita, Kansas 67202+1719 ATTN: Keith Reavis	34/28S/30W/Gray RCJ #1-34 Job Ticket: 17674 DST#: 2 Test Start: 2012.08.27 @ 20:20:00																																								
GENERAL INFORMATION: Formation: Stotler Deviated: No Whipstock: ft (KB) Time Tool Opened: 22:29:30 Time Test Ended: 04:25:30 Interval: 3420.00 ft (KB) To 3515.00 ft (KB) (TVD) Total Depth: 3560.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Straddle (Initial) Tester: Ken Swinney Unit No: 3325 Great Bend/240 Reference Elevations: 2740.00 ft (KB) 2727.00 ft (CF) KB to GR/CF: 13.00 ft																																										
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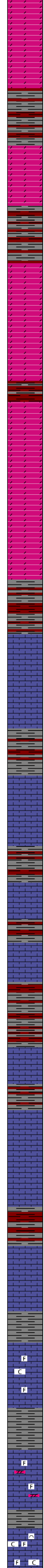
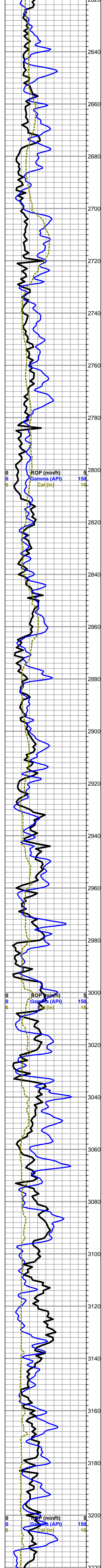
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GENERAL INFORMATION: Formation: Lansing/Kansas City Deviated: No Whipstock: ft (KB) Time Tool Opened: 00:20:30 Time Test Ended: 05:32:00 Interval: 4469.00 ft (KB) To 4521.00 ft (KB) (TVD) Total Depth: 4521.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney Unit No: 3325 Great Bend/240 Reference Elevations: 2740.00 ft (KB) 2727.00 ft (CF) KB to GR/CF: 13.00 ft																																										
Serial #: 6749 Inside Press@RunDepth: 110.52 psia @ 4517.35 ft (KB) Capacity: 5000.00 psia Start Date: 2012.08.30 End Date: 2012.08.31 Last Calib.: 2012.08.31 Start Time: 22:08:00 End Time: 05:32:00 Time On Btm: 2012.08.31 @ 00:18:00 Time Off Btm: 2012.08.31 @ 03:31:30																																										
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ROCK TYPES				
Cht	sdylmst	Lmst fw7>	shale, gry	shale, red
Dolprim	Lmst fw<7	shale, grn	Carbon Sh	

ACCESSORIES			
MINERAL ▲ Chert, dark ▲ Dolomitic ● Silty ▲ Chert White	FOSSIL ^ Bioclastic or Fragmental F Fossils < 20% o Oolite o Pellets o Oomoldic	STRINGER Dolomite Limestone Sandstone Shale green shale carb shale	TEXTURE C Chalky L Lithogry

OTHER SYMBOLS	
MISC Daily Report Digital Photo Document Folder Link Vertical Log File Horizontal Log File Core Log File Drill Cuttings Rpt	DST DST Int DST alt Core tail pipe





as above, some white microcrystalline dolomite

Winfield 2676 +64

dolomite, light gray, mottled, fossiliferous, very fine poor samples, with abundant shale and anhydrite as above

Towanda 2721 +19

dolomite, very fine samples, mixed, white to gray and mottled, microcrystalline, abundant shale and anhydrite

Fort Riley 2773 -33

poor sample, light gray to white dolomite, very fine poor samples, abundant shale and anhydrite

as above

poor samples, mostly shale and anhydrite, some white to light gray very fine limestones, trace very fine gray fossiliferous chert

as above, poor samples

poor samples, mostly red and gray shales, some anhydrite, trace scattered very fine small mixed limestones

poor sample, mostly shales as above

Cottonwood

shales and anhydrite, with some scattered cream to tan limestone, thin slivers, fossiliferous, no visible shows or porosity

Neva 3097 -357

poor samples

displace mud system @ 3103'

samples clean up in 3160 sample - limestone, cream to gray/green, microcrystalline, slightly fossiliferous, dense, grainy, some chalk, no shows

limestones as above, with some limestone, cream to tan, cryptocrystalline, fossiliferous and dolomite, light gray, very soft, grainy, chalky, no shows

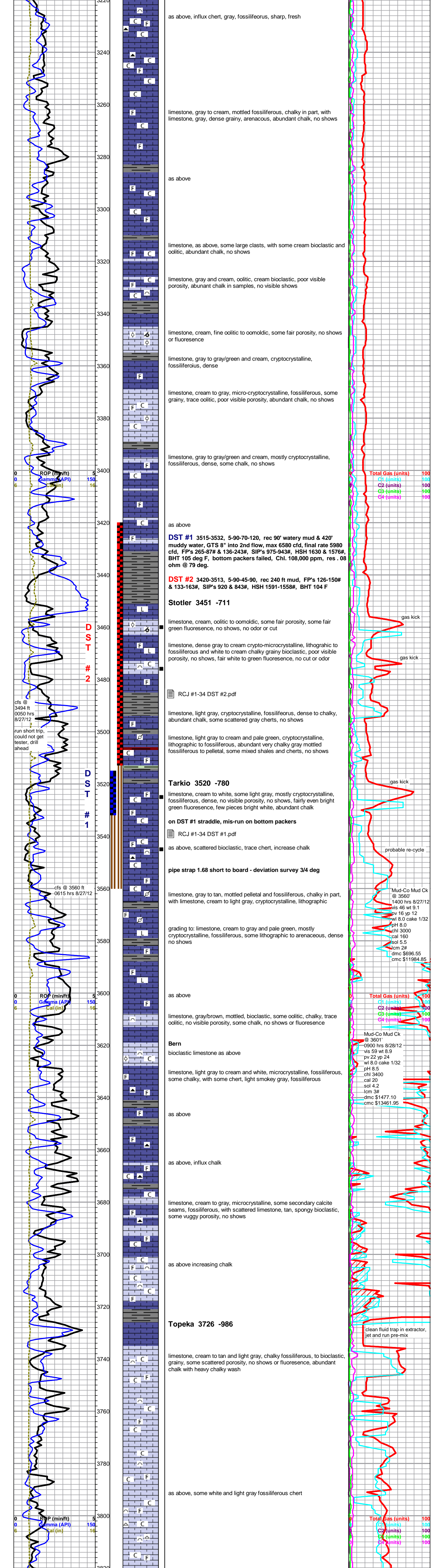
Foraker 3205 -465

limestone, cream to gray, micro-cryptocrystalline, fossiliferous, some bioclastic, dense to chalky, flood of chalk in samples

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100



as above, influx chert, gray, fossiliferous, sharp, fresh

limestone, gray to cream, mottled fossiliferous, chalky in part, with limestone, gray, dense grainy, arenaceous, abundant chalk, no shows

as above

limestone, as above, some large clasts, with some cream bioclastic and oolitic, abundant chalk, no shows

limestone, gray and cream, oolitic, cream bioclastic, poor visible porosity, abundant chalk in samples, no visible shows

limestone, cream, fine oolitic to oomoldic, some fair porosity, no shows or fluorescence

limestone, gray to gray/green and cream, cryptocrystalline, fossiliferous, dense

limestone, cream to gray, micro-cryptocrystalline, fossiliferous, some grainy, trace oolitic, poor visible porosity, abundant chalk, no shows

limestone, gray to gray/green and cream, mostly cryptocrystalline, fossiliferous, dense, some chalk, no shows

as above

DST #1 3515-3532, 5-90-70-120, rec 90' watery mud & 420' muddy water, GTS 8" into 2nd flow, max 6580 cfd, final rate 5980 cfd, FP's 265-87# & 136-243#, SIP's 975-943#, HSH 1630 & 1576#, BHT 105 deg F, bottom packers failed, Chl. 108,000 ppm, res. .08 ohm @ 79 deg.

DST #2 3420-3513, 5-90-45-90, rec 240 ft mud, FP's 126-150# & 133-163#, SIP's 920 & 843#, HSH 1591-1558#, BHT 104 F

Stotler 3451 -711

limestone, cream, oolitic to oomoldic, some fair porosity, some fair green fluorescence, no shows, no odor or cut

limestone, dense gray to cream crypto-microcrystalline, lithographic to fossiliferous and white to cream chalky grainy bioclastic, poor visible porosity, no shows, fair white to green fluorescence, no cut or odor

RCJ #1-34 DST #2.pdf

limestone, light gray, cryptocrystalline, fossiliferous, dense to chalky, abundant chalk, some scattered gray cherts, no shows

limestone, light gray to cream and pale green, cryptocrystalline, lithographic to fossiliferous, abundant very chalky gray mottled fossiliferous to pelletal, some mixed shales and cherts, no shows

Tarkio 3520 -780

limestone, cream to white, some light gray, mostly cryptocrystalline, fossiliferous, dense, no visible porosity, no shows, fairly even bright green fluorescence, few pieces bright white, abundant chalk

on DST #1 straddle, mis-run on bottom packers

RCJ #1-34 DST #1.pdf

as above, scattered bioclastic, trace chert, increase chalk

pipe strap 1.68 short to board - deviation survey 3/4 deg

limestone, gray to tan, mottled pelletal and fossiliferous, chalky in part, with limestone, cream to light gray, cryptocrystalline, lithographic

grading to: limestone, cream to gray and pale green, mostly cryptocrystalline, fossiliferous, some lithographic to arenaceous, dense no shows

as above

limestone, gray/brown, mottled, bioclastic, some oolitic, chalky, trace oolitic, no visible porosity, some chalk, no shows or fluorescence

Bern

bioclastic limestone as above

limestone, light gray to cream and white, microcrystalline, fossiliferous, some chalky, with some chert, light smokey gray, fossiliferous

as above

as above, influx chalk

limestone, cream to gray, microcrystalline, some secondary calcite seams, fossiliferous, with scattered limestone, tan, spongy bioclastic, some vuggy porosity, no shows

as above increasing chalk

Topeka 3726 -986

limestone, cream to tan and light gray, chalky fossiliferous, to bioclastic, grainy, some scattered porosity, no shows or fluorescence, abundant chalk with heavy chalky wash

as above, some white and light gray fossiliferous chert

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

gas kick

gas kick

gas kick

probable re-cycle

Mud-Co Mud Ck @ 3560' 1400 hrs 8/27/12 vis 46 wt 9.1 pv 16 yp 12 wl 8.0 cake 1/32 pH 8.0 chl 3000 cal 160 sol 5.5 lcm 2# dmc \$696.55 cmc \$11984.85

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Mud-Co Mud Ck @ 3601' 0900 hrs 8/28/12 vis 59 wt 8.9 pv 22 yp 24 wl 8.0 cake 1/32 pH 8.5 chl 3400 cal 20 sol 4.2 lcm 3# dmc \$1477.10 cmc \$13461.95

clean fluid trap in extractor, jet and run pre-mix

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

cfs @ 3494 ft 0050 hrs 8/27/12
run short trip, could not get tester, drill ahead

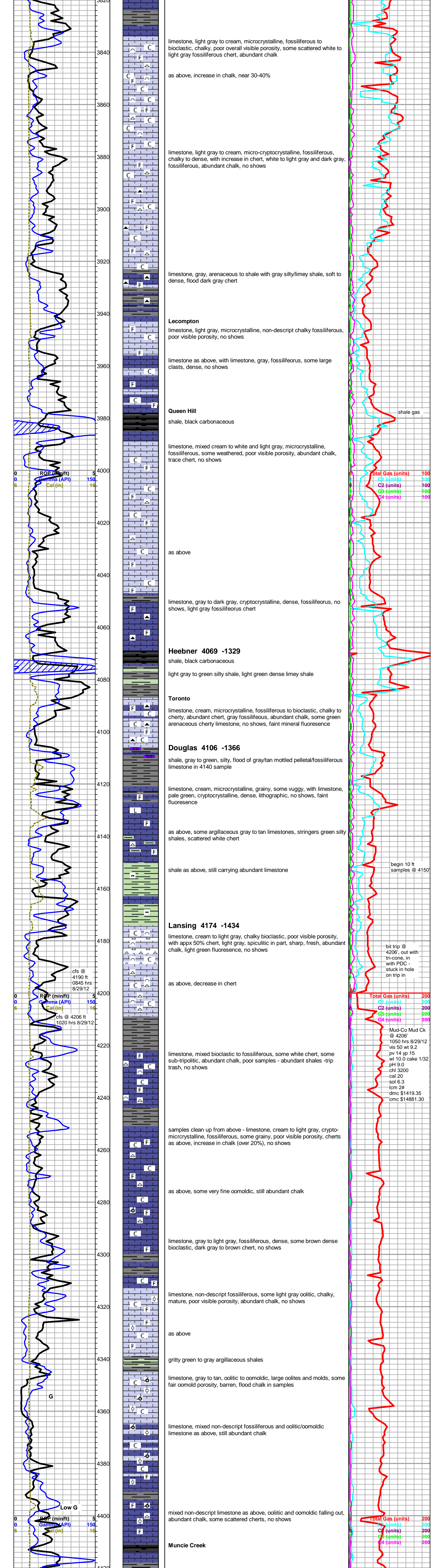
cfs @ 3560 ft 0615 hrs 8/27/12

ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

DST # 2

DST # 1



limestone, light gray to cream, microcrystalline, fossiliferous to bioclastic, chalky, poor overall visible porosity, some scattered white to light gray fossiliferous chert, abundant chalk

as above, increase in chalk, near 30-40%

limestone, light gray to cream, micro-cryptocrystalline, fossiliferous, chalky to dense, with increase in chert, white to light gray and dark gray, fossiliferous, abundant chalk, no shows

limestone, gray, arenaceous to shale with gray silty/limey shale, soft to dense, flood dark gray chert

Lecompton
limestone, light gray, microcrystalline, non-descript chalky fossiliferous, poor visible porosity, no shows

limestone as above, with limestone, gray, fossiliferous, some large clasts, dense, no shows

Queen Hill
shale, black carbonaceous

shale gas

limestone, mixed cream to white and light gray, microcrystalline, fossiliferous, some weathered, poor visible porosity, abundant chalk, trace chert, no shows

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
G3 (units) 100
G4 (units) 100

as above

limestone, gray to dark gray, cryptocrystalline, dense, fossiliferous, no shows, light gray fossiliferous chert

Heebner 4069 -1329
shale, black carbonaceous

light gray to green silty shale, light green dense limey shale

Toronto
limestone, cream, microcrystalline, fossiliferous to bioclastic, chalky to cherty, abundant chert, gray fossiliferous, abundant chalk, some green arenaceous cherty limestone, no shows, faint mineral fluorescence

Douglas 4106 -1366
shale, gray to green, silty, flood of gray/tan mottled pelletal/fossiliferous limestone in 4140 sample

limestone, cream, microcrystalline, grainy, some vuggy, with limestone, pale green, cryptocrystalline, dense, lithographic, no shows, faint fluorescence

as above, some argillaceous gray to tan limestones, stringers green silty shales, scattered white chert

shale as above, still carrying abundant limestone

begin 10 ft samples @ 4150

Lansing 4174 -1434
limestone, cream to light gray, chalky bioclastic, poor visible porosity, with appx 50% chert, light gray, spiculitic in part, sharp, fresh, abundant chalk, light green fluorescence, no shows

bit trip @ 4206', out with tri-cone, in with PDC - stuck in hole on trip in

as above, decrease in chert

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
G3 (units) 200
G4 (units) 200

Mud-Co Mud Ck @ 4206' 1050 hrs 8/29/12 vis 50 wt 9.2 pv 14 yp 15 wl 10.0 cake 1/32 pH 9.0 chl 3200 cal 20 sol 6.3 lcm 2# dmc \$1419.35 cmc \$14881.30

limestone, mixed bioclastic to fossiliferous, some white chert, some sub-tripolitic, abundant chalk, poor samples - abundant shales - trip trash, no shows

samples clean up from above - limestone, cream to light gray, crypto-microcrystalline, fossiliferous, some grainy, poor visible porosity, cherts as above, increase in chalk (over 20%), no shows

as above, some very fine oomoldic, still abundant chalk

limestone, gray to light gray, fossiliferous, dense, some brown dense bioclastic, dark gray to brown chert, no shows

limestone, non-descript fossiliferous, some light gray oolitic, chalky, mature, poor visible porosity, abundant chalk, no shows

as above

gritty green to gray argillaceous shales

limestone, gray to tan, oolitic to oomoldic, large oolites and molds, some fair oomold porosity, barren, flood chalk in samples

limestone, mixed non-descript fossiliferous and oolitic/oomoldic limestone as above, still abundant chalk

mixed non-descript limestone as above, oolitic and oomoldic falling out, abundant chalk, some scattered cherts, no shows

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
G3 (units) 200
G4 (units) 200

Muncie Creek

ROP (min/ft)
Gamma (API)
Cal (in)

cfs @ 4190 ft 0845 hrs 8/29/12
ROP (min/ft)
Gamma (API)
Cal (in)

cfs @ 4206 ft 1020 hrs 8/29/12
ROP (min/ft)
Gamma (API)
Cal (in)

Low G
ROP (min/ft)
Gamma (API)
Cal (in)

