

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31725  
Name: Shelby Resources L.L.C./ Captiva Energy L.L.C.  
Address 1: 2717 Canal Blvd.  
Address 2: Suite C  
City: Hays State: KS Zip: 67601

Contact Person: Chris Gottschalk  
Phone: ( 785 ) 623-1524

CONTRACTOR: License # 33323  
Name: Petromark Drilling L.L.C.

Wellsite Geologist: Keith Reavis  
Purchaser: Plains Marketing

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, 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: \_\_\_\_\_ Plug Back Total Depth

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_

8/03/09 8/10/09 8/31/09

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

API No. 15 - 009-25332-0000

Spot Description: SE/4

NE SW NE SE Sec. 4 Twp. 19 S. R. 12  East  West

1780' Feet from  North /  South Line of Section

866' Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Barton

Lease Name: Miller-Davis Well #: 1-4

Field Name: Cheyenne

Producing Formation: L-KC

Elevation: Ground: 1807' Kelly Bushing: 1802'

Total Depth: 3450' Plug Back Total Depth: 3382'

Amount of Surface Pipe Set and Cemented at: 626 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 AH I NR 1-25-10  
(Data must be collected from the Reserve Pit)

Chloride content: 9100 ppm Fluid volume: 800 bbls

Dewatering method used: Hauled off water

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: L.D. Davis

Lease Name: Miller A #2 License No.: 6039

Quarter SE Sec. 4 Twp. 19 S. R. 12  East  West

County: Barton Docket No.: 150-009-04611-0001

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Chris Gottschalk

Title: Production manager Date: 1/04/10

Subscribed and sworn to before me this 4 day of January

2010

Notary Public: Michelle R Haas

Date Commission Expires: \_\_\_\_\_



NOTARY PUBLIC, State of Kansas  
MICHELLE R. HAAS  
My Appt. Exp. 10/4/11

KCC Office Use ONLY

N

Letter of Confidentiality Received

If Denied, Yes  Date: \_\_\_\_\_

✓

Wireline Log Received

✓

Geologist Report Received

UIC Distribution

Operator Name: Shelby Resources L.L.C./ Captiva Energy L.L.C. Lease Name: Miller-Davis Well #: 1-4  
 Sec. 4 Twp. 19 S. R. 12  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)  List All E. Logs Run: <b>Dual Induction, Compensated Density Neutron,                  Micro, Sonic and Cement Bond Logs</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>2971'</td> <td>-1165'</td> </tr> <tr> <td>Lansing</td> <td>3093'</td> <td>-1287'</td> </tr> <tr> <td>Base KC</td> <td>3335'</td> <td>-1529'</td> </tr> <tr> <td>Arbuckle</td> <td>3367'</td> <td>-1561'</td> </tr> <tr> <td>TD</td> <td>3450'</td> <td>-1644'</td> </tr> </table>	Name	Top	Datum	Heebner	2971'	-1165'	Lansing	3093'	-1287'	Base KC	3335'	-1529'	Arbuckle	3367'	-1561'	TD	3450'	-1644'
Name	Top	Datum																	
Heebner	2971'	-1165'																	
Lansing	3093'	-1287'																	
Base KC	3335'	-1529'																	
Arbuckle	3367'	-1561'																	
TD	3450'	-1644'																	

CASING RECORD <input checked="" 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
Surface	12.1/4"	8.5/8"	23#	626'	Common	325	3% ccl, 2% gel
Production	7.7/8"	5.1/2"	15.5#	3413'	60/40 Poz/AA2	50/200	3% ccl, 2% gel

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3291-94'	500 gal 15% MCA/ 1250 gal 15% MCA	
2	3117-22'	300 gal 15% MCA	

TUBING RECORD: Size: <u>2.7/8"</u> Set At: <u>3366'</u> Packer At: <u> </u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>9/02/09</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbbls. <u>20</u>	Gas Mcf <u> </u> Water Bbbls. <u>120</u> Gas-Oil Ratio <u>16</u> Gravity <u>35</u>

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>3291-94'</u> <u>3117-22'</u>
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Customer Shelby Resources LLC	Lease No.	Date 8-11-09
Lease Miller-Davis	Well # 1-4	
Field Order # 180398A	Station Pratt KS	County Barton
Type Job 5/2 L.S.	Formation TD 3450	Legal Description 4-18-12
Casing 5/2"	Depth 3412	State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5/2	Tubing Size	Shots/Ft	50 SKS	Acid 60/40 Por	scavenger	RATE	PRESS	ISIP
Depth 3412	Depth 3412	From	To 200 SKS	Pre Pad AA-2 w/ 5% salt	10% GAS	Max CAL set	1/4 De Form	5 Min. 5% FIA-32
Volume 81.39	Volume	From	To 10%	Pad		Min 1/4	2 cell FIA	10 Min. #6 L.S.
Max Press 1500	Max Press	From	To mix	Frac @ 15.3 #/gal		Avg 1.37 yield		15 Min.
Well Connection P.C.	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 35	Packer Depth	From	To	Flush freshwater		Gas Volume		Total Load

Customer Representative Chris Gottschalk	Station Manager DAVE SCOTT	Treater Allen F. Werth
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Service Units	28443	27463	19832	21010					
Driver Names	A. Werth	K. Lesley	Stev. Lachance						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	RECEIVED	Service Log
2155				KANSAS CORPORATION COMMISSION	on loc. Discuss Safety, Setup Plans
				JAN 12 2010	Rig up to Run 5/2 csg 155'
				CONSERVATION DIVISION WICHITA, KS	Shoe Joint 20.94 w/ Float shoe + BATH
2730					Start csg. - cent-1-2-4-6-8-10-12'
0000					CASING @ 3412' CIR w/ Rig - Good C
0100	200#		5		Hookup To cmt csg. mix 50 SKS
	350#		7		60/40 Por scavenger
			49	6	Finish mix - wash out Pump Line
0115	300#			6 1/2	DRUP <del>DRUP</del> Latch down Plug.
	400#			5 1/2	Start Disp. 81 BBLs cap.
0130	1500#		81	4	caught Lift PSI w/ 49 BBL on Plug down
	0#				Release PSI - OK
0133			7		Plug Rat hole w/ 30 SKS 60/40 Por
					wash up Equip.
					RACK up Equip.
0200					Job complete.
					thanks Allen
					KEAVAN
					Steve

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. *57*

Date	Sec.	Twp.	Range	County	State	Oil Location	Finish
<i>3-4-09</i>	<i>4</i>	<i>15</i>	<i>12</i>	<i>Wichita</i>	<i>Ks</i>		<i>57 AM</i>
Lease <i>11/12/13</i>	Well No. <i>4</i>	Location <i>7 miles S of Russell, KS</i>					
Contractor <i>Oilwell</i>	Owner <i>41211 - 5711</i>			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job <i>SNIP</i>	T.D. <i>632</i>			Charge To <i>41211 - 5711</i>			
Hole Size <i>12 1/4</i>	Depth <i>626</i>			Street <i>1658 COLE BLVD STE 205</i>			
Csg. <i>3 1/2 24"</i>	Depth			City <i>LAKENWOOD</i> State <i>CO. 80401</i>			
Tbg. Size	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Drill Pipe	Depth						
Tool	Depth						
Cement Left in Csg. <i>SD</i>	Shoe Joint			CEMENT			
Press Max.	Minimum			Amount Ordered <i>225 sc cement, 240 lbs salt</i>			
Meas Line	Displace			Common <i>25 @ 10.00</i> <b>3250.00</b>			
Perf.	EQUIPMENT			Poz Mix			
Pumptrk <i>5</i>	No. Cementer	JAN 12 2010		Gel. <i>10 @ 12.00</i> <b>102.00</b>			
Bulktrk <i>7</i>	No. Helper	CONSERVATION DIVISION WICHITA, KS		Calcium <i>11 @ 42.00</i> <b>462.00</b>			
Bulktrk	No. Driver			Mills			
Bulktrk	No. Driver			Salt			
JOB SERVICES & REMARKS				Flowseal			
Pumptrk Charge	<i>600.00</i>						
Mileage <i>@ 6.00</i>	<i>54.00</i>						
Footage	Total <i>654.00</i>			Handling <i>91 @ 2.00</i> <b>684.00</b>			
Remarks:				Mileage <i>400.00</i> <b>400.00</b>			
				Pumptrk Charge <i>654.00</i> <b>654.00</b>			
				Shoe			
				Centralizer			
				Baskets			
				AFU Parts <b>69.00</b>			
				Rotating Head			
				Squeeze Mainfold			
				Tax <i>193.68</i> <b>193.68</b>			
				Discount <i>(1125.00)</i> <b>(1125.00)</b>			
Signature <i>[Signature]</i>				Total Charge <b>4,691.68</b>			

# Quality Oilwell Cementing

# Shelby Resources, LLC.

## DAILY DRILLING REPORT

Company: Shelby Resources, LLC  
445 Union Blvd, Ste #208  
Lakewood, CO 80228

Well: Miller-Davis #1-4  
Location: 1755' FSL & 850' FEL  
Sec. 4 T19S R12 W  
Barton County, KS

Gary Kreiger cell: 303-887-5085  
Chris Gottschalk cell: 785-623-1524

Wellsite Geologist: Keith Reavis  
Cell: (620) 218-3539  
Office: (620) 653-2464

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 12 2010

CONSERVATION DIVISION  
WICHITA, KS

Elevation: 1806' KB 1801' GL  
Field: Cheyenne  
API No.: 15-009-25332-00-00  
Surface Casing: 8 5/8" set @ ~626' KB

Drilling Contractor: Petromark Drilling Rig #2 620-617-4750 Tool Pusher: David Roach cell: 620-786-4631

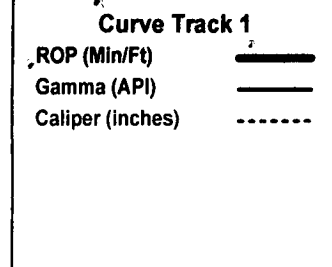
DATE	7:00 AM DEPTH	REMARKS
8/7/2009	2995	geologist Keith Reavis on location @ 0330 hrs, cfs Plattsmouth, did not warrant DST, resume drilling, drill Heebner, Toronto, Douglas and into Lansing, cfs A and B zones, gas kicks and shows warrant DST, TOH for DST #1 complete DST #1, successful test, TIH
8/8/2009	3170	drill ahead and cfs D and F zones, shows warrant DST, TOH for DST #2 complete DST #2, successful test, TIH with bit, resume drilling, cfs H and I, shows warrant DST
8/9/2009	3262	TOH for DST #3, run DST #3, successful test, back in hole, cut J zone TOH for DST #4, run DST, successful test, TIH, resume drilling
8/10/2009	3388	drill ahead BKC and Arbuckle, rathole ahead for logs, TD @ 3450 ft. 1130 hrs conduct logging operations, completed at 1635 hrs, geologist off location 1730 hrs

# Shelby Resources, LLC.

## WELL COMPARISON SHEET

DRILLING WELL Miller-Davis #1-4 1755' FSL & 850' FEL Sec. 4 T19S R12 W					COMPARISON WELL Thunderbird Miller #Y-1 N2 NE SE Sec. 4 T19S R12 W				COMPARISON WELL Thunderbird Miller #4 C N2 SE Sec. 4 T19S R12 W			
1806 KB					1806 KB		Structural Relationship		1805 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Plattsmouth	2921	-1115			2922	-1116	1		2924	-1119	4	
Heebner	2971	-1165			2976	-1170	5		2980	-1175	10	
Douglas	3005	-1199			3012	-1206	7		3015	-1210	11	
Lansing	3093	-1287			3100	-1294	7		3105	-1300	13	
Lansing G	3182	-1376			3184	-1378	2		3193	-1388	12	
Stark	3289	-1483			3296	-1490	7		3300	-1495	12	
Base KC	3335	-1529			3343	-1537	8		3348	-1543	14	
Arbuckle	3367	-1561			3380	-1574	13		3394	-1589	28	
Total Depth	3450	-1644			3402	-1596	-48		3500	-1695	51	

COMPARISON WELL Tom - Kat #1 Rusco NW NW SW Sec. 3 T19S R12 W				
1806 KB			Structural Relationship	
Log	Sub-Sea	Sample	Log	
Plattsmouth	2927	-1121	6	
Heebner	2978	-1172	7	
Douglas	3015	-1209	10	
Lansing	3105	-1299	12	
Lansing G	3192	-1386	10	
Stark	3296	-1490	7	
Base KC	3349	-1543	14	
Arbuckle	3399	-1593	32	
Total Depth	3406	-1600		

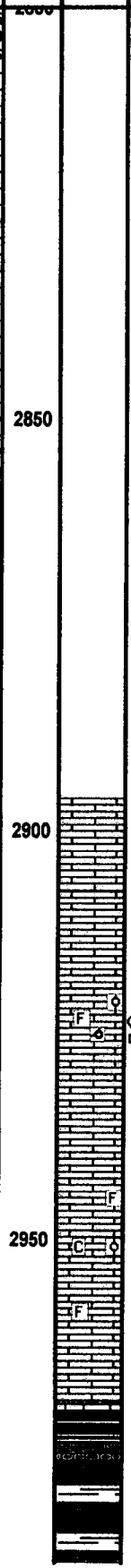
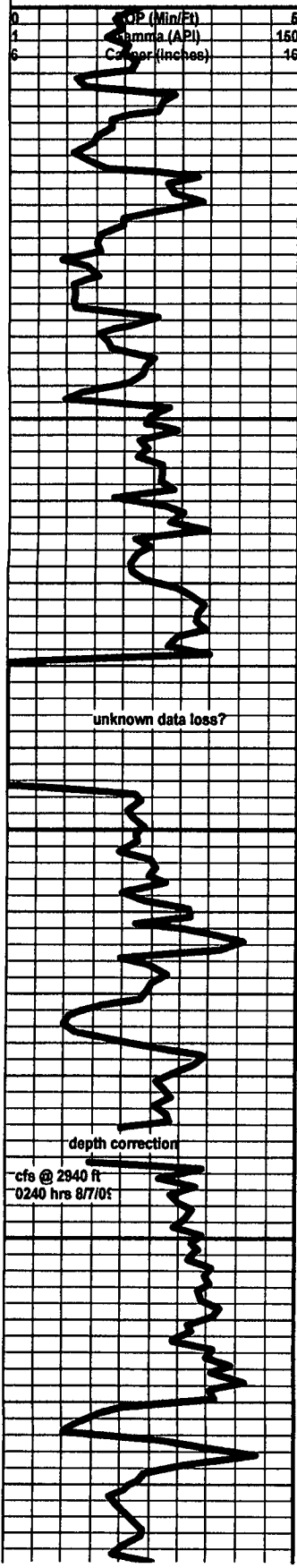
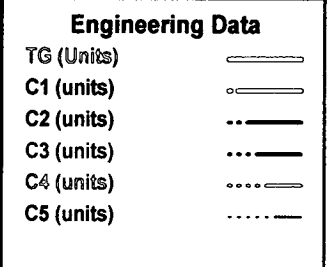


Depth

Lithology

Oil Shows

**Geological Descriptions**



begin wet and dry samples @ 2870 ft

**Plattsmouth 2921 -1115**

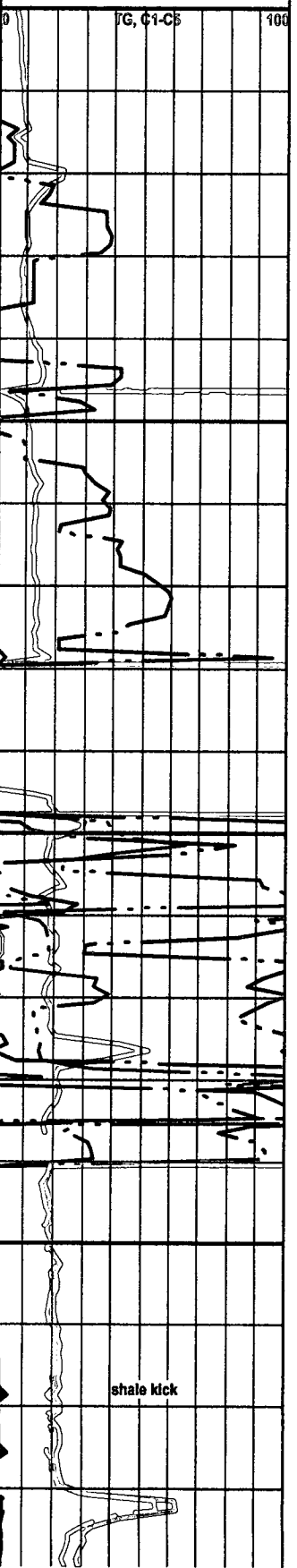
limestone, cream to gray, crypto - microcrystalline, oolitic to oomoldic to vuggy fossiliferous, some scattered saturated dark brown to black stain, tarry clingy oil on some specimens, trace tarry black free oil droplets, no odor, no fluorescenc

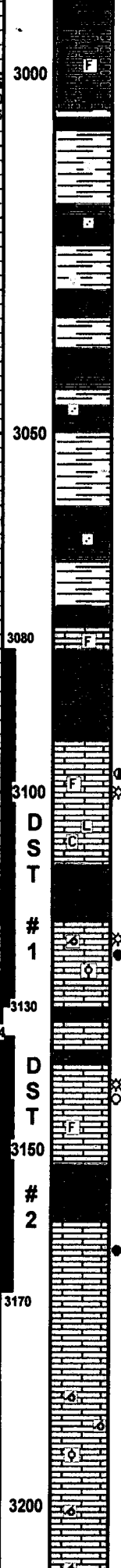
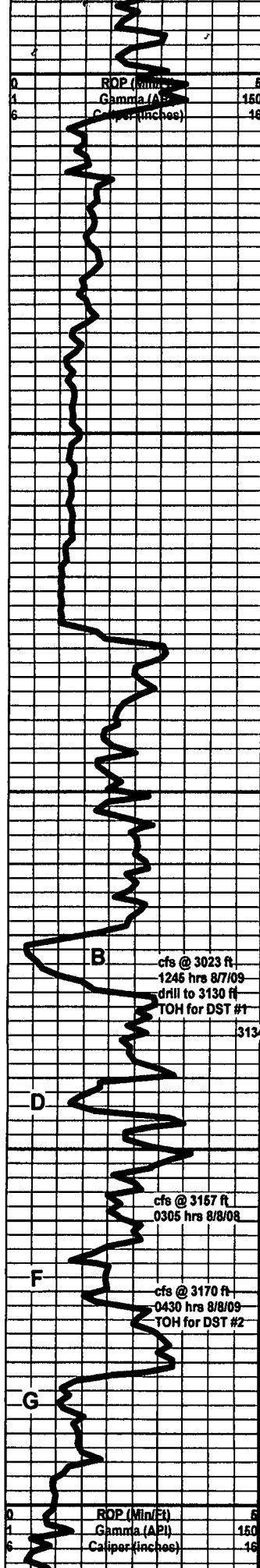
limestone, cream to gray, micro to cryptocrystalline, chalky to dense, fossiliferous, some oolitic, some scattered vugs, scattered brown to black stain, no show free oil, no odor, some scattered mineral fluoresece

**Heebner 2971 -1165**

shale, black carbonaceous

grayish green to green grain and platy shale





**Toronto 2994 -1188**  
 limestone, light gray to white, microcrystalline, fossiliferous, dense, cherty in part, some scattered pinpoint porosity, trace fossiliferous chert, no shows

**Douglas 3005 -1199**  
 shale, mixed gray to green, some red, some silty, scattered dark gray micaceous siltstone and some very fine grain micaceous quartz sandstone clusters, poor visible porosity, dense, no shows

as above

**Brown Lime 3077 -1271**  
 limestone, dark brown to tan, microcrystalline, fossiliferous, some secondary calcite, dense, no shows

**Lansing 3093 -1287**  
 limestone, cream to light gray, micro to cryptocrystalline, lithographic to slightly fossiliferous, abundant sucrosic surface and edge crystallization, scattered to even saturated light brown stain, show of free oil, gassy, good odor

limestone as above, decrease in show, Influx chalk and white cryptocrystalline limestone

limestone, tan to light gray, oolitic to oomoldic, mostly oomoldic, good oomold porosity, some interoolite solution vugs, mold walls lined with secondary calcite crystals, mostly saturated golden brown stain, good show free oil, strong odor, fairly even green fluorescence

limestone, gray, microcrystalline, fossiliferous, recrystallized, some fair crystalline lined vuggy porosity and fractures, spotty black to saturated brown stain, trace gas and bleeding oil, odor and free oil masked by mud from DST 1, some good bright green fluorescence, with tan to gray microcrystalline limestone, some chalky, scattered stain

limestone, gray to dark gray and tan mottled, oolitic to pelletal and fossiliferous, dense, poor visible porosity, some scattered stain, no free oil

limestone, gray, cryptocrystalline, dense, good solution vugs, crystal lined, saturated brown staining, bleeds free oil, odor and free oil masked, spotty bright green fluorescence, flood chalk and gray/white weathered chalky fossiliferous limestone

limestone, gray to light gray and cream, oolitic to oomoldic, poorly developed porosity and connectivity, barren with: some gray dense fossiliferous, few pieces white to light gray oolitic, matrix cherty, some stained solution vugs, no show free oil, no odor

as above, few show specimens



ROP (Min/Ft) 5  
 Gamma (API) 150  
 Caliper (inches) 16

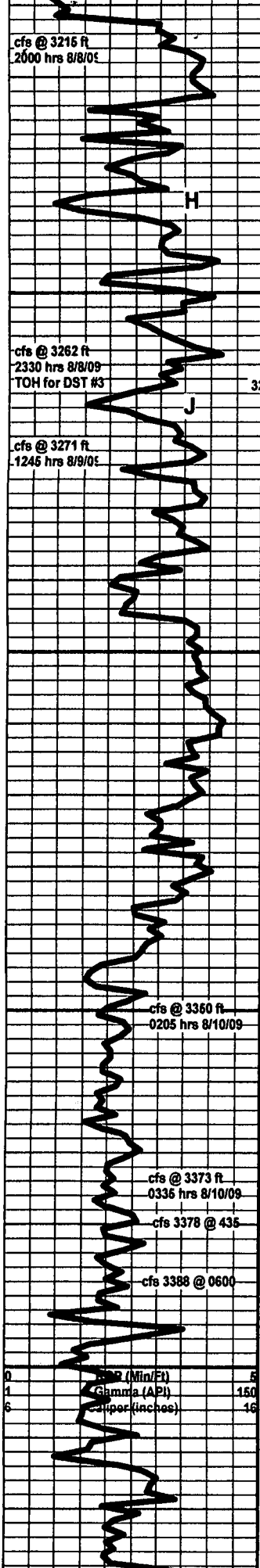
ROP (Min/Ft) 5  
 Gamma (API) 150  
 Caliper (inches) 16

Mud-Co Mud Ck @ 2993 ft. | 0715 hrs 8/7/09  
 Vis 51 WT 9.0  
 PV 12 YP 12  
 WL 9.2  
 Cake 1/32  
 PH 10.0  
 CHL 5100 ppm  
 Cal 20  
 Sol 4.7  
 LCM: 0  
 DMC: \$ 753.10  
 CMC: \$ 6088.95

Scale Change FG, C1-C5

Mud-Co Mud Ck @ 3170 ft. | 0735 hrs 8/8/09  
 Vis 56 WT 9.1  
 PV 14 YP 15  
 WL 9.6  
 Cake 1/32  
 PH 10.0  
 CHL 8100 ppm  
 Cal 20  
 Sol 5.3  
 LCM: 0  
 DMC: \$ 804.05  
 CMC: \$ 6893.00





limestone, mixed, cream to gray, fossiliferous to oolitic to lithographic, dense, poor visible porosity some scattered staining, no odor

black carbonaceous shale with gray silty shale

limestone, cream to light gray, microcrystalline, fossiliferous to very fine oolitic, grainy, some fair porosity, mostly barren, some with solution vugs and light brown staining, trace gas bubbles, trace light bleeding oil, no odor, fair green fluorescence

limestone, white to light gray, fossiliferous, some oolitic, some scattered fair interclast/oolite porosity, scattered golden brown to black stain through porosity, some free oil, bleeds well on break, questionable odor, good fluorescence

limestone, white to cream, fossiliferous to oolitic, mostly dense and barren with: some scattered vugs and interclast porosity, some secondary calcite in vugs, brown to black stain, trace gas bubbles and free oil, no odor, fair fluorescence on stained specimens

limestone, white to light gray, micro to cryptocrystalline, fossiliferous, chalky, trace cherty oolitic, no visible porosity, barren

**Stark Shale 3289 -1483**

grayish green silty shale limestone, white to cream, crypto to microcrystalline, recrystallized fossiliferous, some pinpoint and vuggy porosity, wormy golden brown stain, slowly bleeds gas bubbles, bleeds oil on break only, pale to bright green fluorescence, no odor

limestone, mixed white to cream and gray fossiliferous, dense, barren, few pieces as above scattered in samples

as above with influx of: limestone, gray, microcrystalline, lithographic, dense

shale, gray and green, some mottled and fossiliferous

limestone, white to cream and gray, fossiliferous, chalky, no shows

**Base KC 3335 -1529**

conglomerate - mixed shales and limestones, trace grayish black sandstone, very fine grained, dirty no show

as above, abundant soft pink clay, chalk and yellow fossiliferous cherts

**Arbuckle 3367 -1561**

dolomite, white, fine to microcrystalline, rhombic, poor visible intercrystalline porosity, few pieces with some intercrystalline staining, trace oil when broken, with appx 50% dolomite, light gray to tan microcrystalline, poor visible porosity, dense, mostly barren, trace stain and oil droplets when broken sulfur odor, bright yellow/green fluorescence

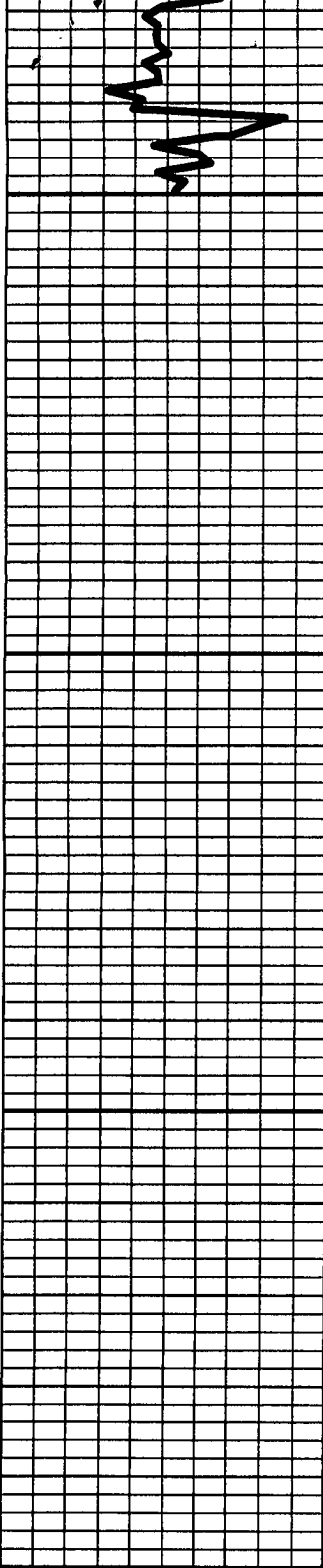
3373-78 same, yellow fluorescence, still slight show

3788 cfs, dolomite, cream to tan, fine to microcrystalline, rhombic to recrystallized, some visible porosity, mostly caliche filled, no shows, abundant caliche in samples

dolomite, mixed white to tan and gray, fine to microcrystalline, poor overall visible porosity, mostly rhombic to subrhombic, abundant oolitic chert and caliche, some scattered light brown staining, can break out filmy free oil, sulfur odor, yellow fluorescence, scattered bright green shales

dolomite and chert as above, influx microcrystalline subsucrosic, very dense, appx 20%, some scattered brown to black staining, no free oil, no odor, still carrying abundant shale and caliche





dolomite, tan, microcrystalline, with some white to gray fine crystalline, recrystallized, poor visible porosity, dense, moderate caliche, no shows

**TD @ 3450 ft 1130 hrs 9/10/09**  
**Superior Log TD 3449 ft**  
**Complete Logging Operations 1635 hrs 8/10/0**

