



KANSAS CORPORATION COMMISSION 1050339
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: DEREK PATTERSON
Purchaser: M V PURCHASING

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>10/12/2010</u>	<u>10/23/2010</u>	<u>11/22/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21677-00-00
Spot Description: _____
NE NE NW Sec. 34 Twp. 27 S. R. 18 East West
330 Feet from North / South Line of Section
2,310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Kiowa
Lease Name: ANTHONY Well #: 1 A-34
Field Name: UNNAMED
Producing Formation: KINDERHOOK
Elevation: Ground: 2196 Kelly Bushing: 2209
Total Depth: 5500 Plug Back Total Depth: 5188
Amount of Surface Pipe Set and Cemented at: 505 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: 6000 ppm Fluid volume: 440 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: ADVANTAGE RESOURCES, INC.
Lease Name: HARDY License #: 6926
Quarter NE Sec. 24 Twp. 28 S. R. 18 East West
County: KIOWA Permit #: D27161

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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 02/14/2011



1050339

Operator Name: L. D. Drilling, Inc. Lease Name: ANTHONY Well #: 1 A-34
 Sec. 34 Twp. 27 S. R. 18 East West County: Kiowa

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Attached				

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	12.25	8.625	24	505	A SERVLITE	200	3%CC,.25#CF
SURFACE	12.25	8.625	24	505	COMMON	175	2%Gel,3%CC,.25#CF
PRODUCTION	7.875	5.5	17	5217	60/40 POZMIX	275	

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 Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4786 - 4810	1500 gal 10% NE FE Acid	
		17300 gal ProFrac LG 2500	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>5188</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>12/08/2010</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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio
				Gravity

DISPOSITION OF GAS: <input 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. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	ANTHONY 1 A-34
Doc ID	1050339

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	ANTHONY 1 A-34
Doc ID	1050339

Tops

HEEBNER	4032	-1823
TORONTO	4048	-1839
DOUGLAS	4068	-1859
BROWN LIME	4183	-1974
LANSING	4192	-1983
BASE KANSAS CITY	4580	-2371
CHEROKEE	4708	-2499
MISSISSIPPIAN	4740	-2531
KH LOWER SAND	4787	-2578
VIOLA	4826	-2617
ARBUCKLE	5156	-2947
LTD	5504	-3295

Company	L.D. Drilling, Inc.	Lease Name	Anthony	
Address	7 SW 26th Ave.	Lease #	1A-34	
CSZ	Great Bend, KS 67530	Legal Desc	NE-NE-NW	Job Ticket 2126
Attn.	Derek Patterson	Section	34	Range 18W
		Township	27S	
		County	Kiowa	State KS
		Drilling Cont	Duke Drilling Rig #1	

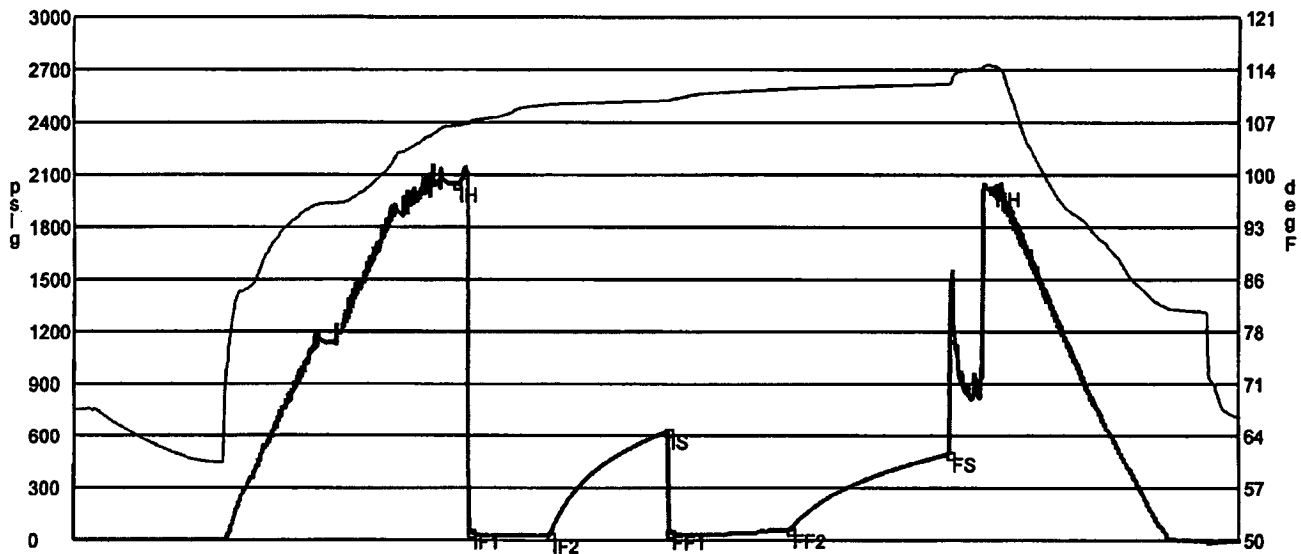
Comments

GENERAL INFORMATION

Test # 1	Test Date 10/18/2010	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters	Top Recorder #	W1119		
Test Type	Conventional Bottom Hole	Mid Recorder #	W1022		
	Successful Test	Bott Recorder #	13310		
# of Packers	2.0	Mileage	76	Approved By	
	Packer Size 6 3/4	Standby Time	0		
Mud Type	Gel Chem	Extra Equipmnt	Jars & Safety joint		
Mud Weight	9.2	Time on Site	2:45 AM		
Filtrate	8.8	Tool Picked Up	4:35 AM		
	Viscosity 49.0	Tool Layed Dwn	11:00 AM		
	Chlorides 5000				
Drill Collar Len	0	Elevation	2194.00	Kelley Bushings	2206.00
Wght Pipe Len	0				
Formation	Lansing "A"	Start Date/Time	10/18/2010 3:47 AM		
Interval Top	4184.0	End Date/Time	10/18/2010 11:02 AM		
	Bottom 4204.0				
Anchor Len Below	20.0				
	Between 0				
Total Depth	4204.0				
Blow Type	Strong blow throughout the initial flow period, hitting the bottom of the bucket instantaneously. Gas to surface in 19 minutes. Strong blow throughout the final flow period, hitting the bottom of the bucket instantaneously. Gas to surface instantaneously. Times: 30, 45, 45, 60.				

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
4150	Gas in Pipe	100%	0%	0%	0%
50	Slight water cut mud	0%	0%	10%	90%
		4150ft	0ft	5ft	45ft
DST Fluids		38000			



	Date	Time	Pressure	Temp	
IH	10/18/2010 6:08:50 AM	2.363889	2048.122	106.397	Initial Hydro-static
IF1	10/18/2010 6:14:20 AM	2.455556	48.691	107.042	Initial Flow (1)
IF2	10/18/2010 6:44:30 AM	2.958333	26.885	109.255	Initial Flow (2)
IS	10/18/2010 7:28:50 AM	3.697222	625.261	109.837	Initial Shut-in
FF1	10/18/2010 7:29:30 AM	3.708333	46.312	109.89	Final Flow (1)
FF2	10/18/2010 8:14:00 AM	4.45	57.301	111.397	Final Flow (2)
FS	10/18/2010 9:13:50 AM	5.447222	496.338	112.052	Final Shut-in
FH	10/18/2010 9:29:40 AM	5.711111	2022.391	114.504	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
20	0	3.58 mcf	4.50 h2o	0.25 in
30	0	5.86 mcf	12.00 h2o	0.25 in
0	10	4.45 mcf	7.00 h2o	0.25 in
0	20	5.86 mcf	12.00 h2o	0.25 in
0	30	5.32 mcf	10.00 h2o	0.25 in
0	40	4.45 mcf	6.50 h2o	0.25 in
0	45	4.12 mcf	6.00 h2o	0.25 in

Company	L.D. Drilling, Inc.	Lease Name	Anthony	
Address	7 SW 26th Ave.	Lease #	1A-34	
CSZ	Great Bend, KS 67530	Legal Desc	NE-NE-NW	Job Ticket 2126
Attn.	Derek Patterson	Section	34	Range 18W
		Township	27S	
		County	Kiowa	State KS
		Drilling Cont	Duke Drilling Rig #1	

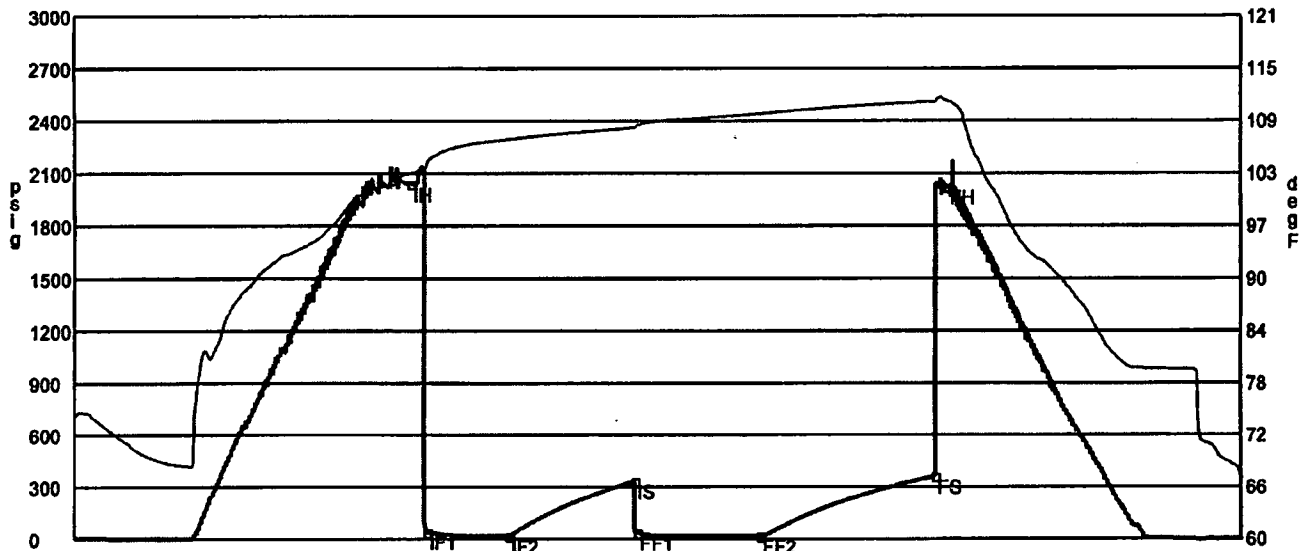
Comments

GENERAL INFORMATION

Test # 2	Test Date 10/19/2010	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters		Top Recorder # W1119	
Test Type Conventional Bottom Hole		Mid Recorder # W1022	
Successful Test		Bott Recorder # 13310	
# of Packers 2.0	Packer Size 6 3/4	Mileage 76	Approved By
Mud Type Gel Chem		Standby Time 0	
Mud Weight 9.4	Viscosity 47.0	Extra Equipmnt Jars & Safety joint	
Filtrate 10.0	Chlorides 8000	Time on Site 7:00 PM	
Drill Collar Len 0		Tool Picked Up 7:50 PM	
Wght Pipe Len 0		Tool Layed Dwn 2:15 AM	
Formation Lansing "B"		Elevation 2197.00	Kelley Bushings 2209.00
Interval Top 4220.0	Bottom 4243.0	Start Date/Time 10/18/2010 7:23 PM	
Anchor Len Below 23.0	Between 0	End Date/Time 10/19/2010 2:18 AM	
Total Depth 4243.0			
Blow Type	Strong blow throughout the initial flow period, reaching the bottom of the bucket in 2 minutes. After 10 minutes, I bled line off and it took 10 minutes to get back to bottom. Strong blow at the start of the final flow period, hitting the bottom of the bucket instantaneously. I bled line off after 5 minutes, and it took 16 minutes to get back to bottom. Times: 30, 45, 45, 62.		

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
675	Gas in Pipe	100% 675ft	0% 0ft	0% 0ft	0% 0ft
20	Mud	0% 0ft	0% 0ft	0% 0ft	100% 20ft
DST Fluids		0			



	Date	Time	Pressure	Temp	
IH	10/18/2010 9:21:50 PM	1.980556	2040.129	102.743	Initial Hydro-static
IF1	10/18/2010 9:27:40 PM	2.077778	42.872	103.769	Initial Flow (1)
IF2	10/18/2010 9:57:30 PM	2.575	17.75	106.674	Initial Flow (2)
IS	10/18/2010 10:42:30 PM	3.325	333.667	108.03	Initial Shut-In
FF1	10/18/2010 10:43:20 PM	3.338889	38.173	108.306	Final Flow (1)
FF2	10/18/2010 11:27:10 PM	4.069444	17.417	109.654	Final Flow (2)
FS	10/19/2010 12:29:40 AM	5.111111	361.379	111.086	Final Shut-In
FH	10/19/2010 12:34:00 AM	5.183333	2021.742	111.176	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company **L.D. Drilling, Inc.**
 Address **7 SW 26th Ave.**
 CSZ **Great Bend, KS 67530**
 Attn. **Derek Patterson**

Lease Name **Anthony**
 Lease # **1A-34**
 Legal Desc **NE-NE-NW**
 Section **34**
 Township **27S**
 County **Kiowa**
 Drilling Cont **Duke Drilling Rig #1**

Job Ticket **2126**
 Range **18W**
 State **KS**

Comments

GENERAL INFORMATION

Test # **3** Test Date **10/21/2010**
 Tester **Tim Venters**
 Test Type **Conventional Bottom Hole**
Successful Test

of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**
 Mud Weight **9.4** Viscosity **51.0**
 Filtrate **9.6** Chlorides **4000**

Drill Collar Len **0**
 Wght Pipe Len **0**

Formation **Kinderhook Sand**
 Interval Top **4730.0** Bottom **4803.0**
 Anchor Len Below **73.0** Between **0**
 Total Depth **4803.0**

Blow Type **Weak surface blow at the start of the initial flow period, building to 1/4 inch in 5 minutes where it held the rest of the period. Very weak surface blow throughout the final flow period. Times: 30, 45, 45, 60.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1022**
 Bott Recorder # **13310**

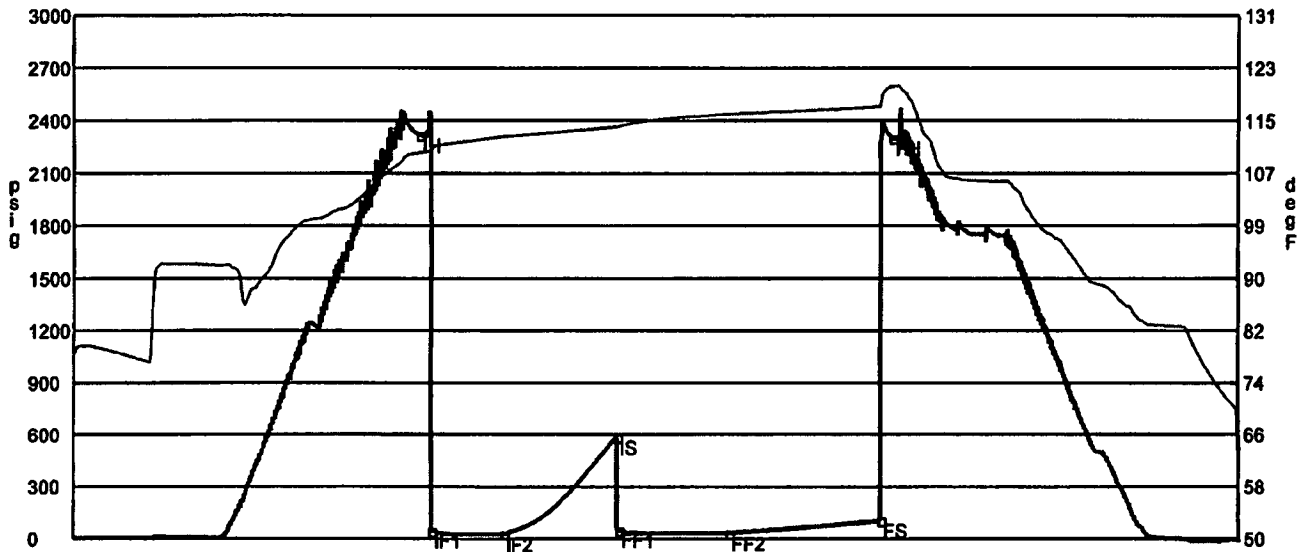
Mileage **76** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **6:20 PM**
 Tool Picked Up **7:25 PM**
 Tool Layed Dwn **2:35 AM**

Elevation **2197.00** Kelley Bushings **2209.00**

Start Date/Time **10/20/2010 6:56 PM**
 End Date/Time **10/21/2010 2:43 AM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
35	Mud	0% 0ft	0% 0ft	0% 0ft	100% 35ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	10/20/2010 9:13:50 PM	2.297222	2319.201	109.873	Initial Hydro-static
IF1	10/20/2010 9:18:40 PM	2.377778	46.228	110.028	Initial Flow (1)
IF2	10/20/2010 9:48:10 PM	2.869444	25.731	112.384	Initial Flow (2)
IS	10/20/2010 10:33:50 PM	3.630556	585.055	113.872	Initial Shut-In
FF1	10/20/2010 10:34:30 PM	3.641667	48.973	113.923	Final Flow (1)
FF2	10/20/2010 11:18:50 PM	4.380556	32.671	115.873	Final Flow (2)
FS	10/21/2010 12:19:30 AM	5.391667	105.928	117.008	Final Shut-In
FH	10/21/2010 12:24:30 AM	5.475	2301.901	120.066	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company **L.D. Drilling, Inc.**
 Address **7 SW 26th Ave.**
 CSZ **Great Bend, KS 67530**
 Attn. **Derek Patterson**

Lease Name **Anthony**
 Lease # **1A-34**
 Legal Desc **NE-NE-NW**
 Section **34**
 Township **27S**
 County **Kiowa**
 Drilling Cont **Duke Drilling Rig #1**

Job Ticket **2126**
 Range **18W**
 State **KS**

Comments

GENERAL INFORMATION

Test # **4** Test Date **10/21/2010**

Tester **Tim Venters**
 Test Type **Conventional Bottom Hole**
Successful Test

of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**
 Mud Weight **9.5** Viscosity **54.0**
 Filtrate **11.2** Chlorides **6000**

Drill Collar Len **0**
 Wght Pipe Len **0**

Formation **Kinderhook Sand**
 Interval Top **4764.0** Bottom **4812.0**
 Anchor Len Below **48.0** Between **0**
 Total Depth **4812.0**

Blow Type **Weak surface blow at the start of the initial flow period, building to a little over a 1/4 inch in 5 minutes where it held the rest of the period. Very weak surface blow at the start of the final flow period, building to 1 1/2 inches. Times: 30, 45, 45, 60.**

Chokes **3/4** Hole Size **7 7/8**

Top Recorder # **W1119**
 Mid Recorder # **W1022**
 Bott Recorder # **13310**

Mileage **76** Approved By
 Standby Time **0**

Extra Equipmnt **Jars & Safety joint**
 Time on Site **9:35 AM**
 Tool Picked Up **11:00 AM**
 Tool Layed Dwn **5:35 PM**

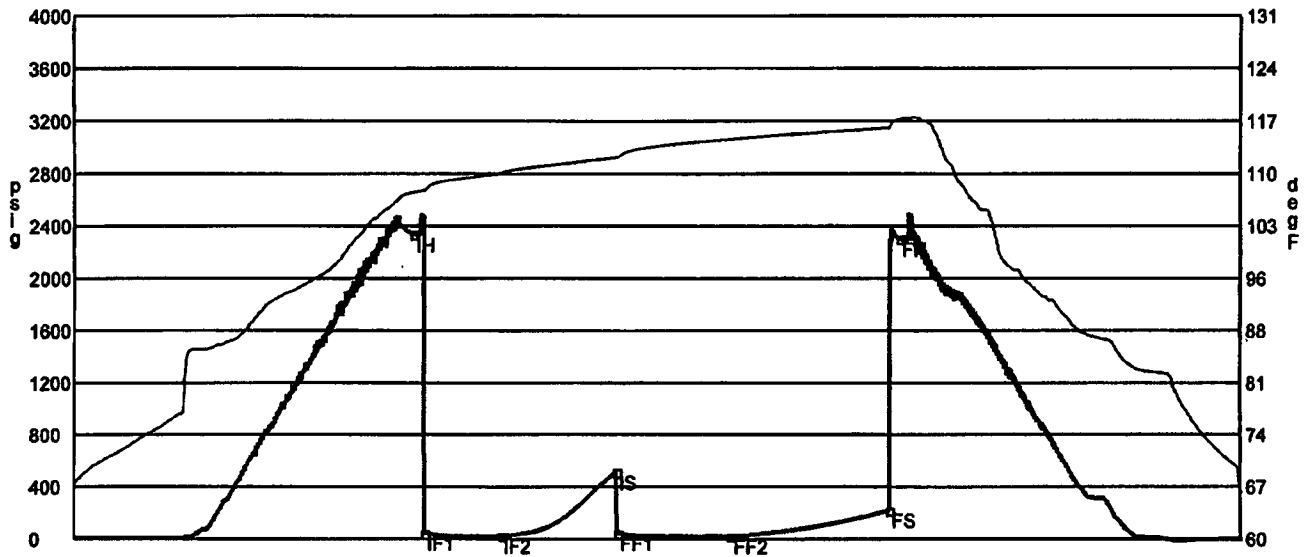
Elevation **2197.00** Kelley Bushings **2209.00**

Start Date/Time **10/21/2010 10:16 AM**
 End Date/Time **10/21/2010 5:47 PM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
20	Mud with a very slight trace of oil	0% 0ft	trace	0% 0ft	100% 20ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	10/21/2010 12:26:10 PM	2.169444	2338.485	107.166	Initial Hydro-static
IF1	10/21/2010 12:30:40 PM	2.244444	46.908	107.352	Initial Flow (1)
IF2	10/21/2010 1:00:40 PM	2.744444	25.958	109.885	Initial Flow (2)
IS	10/21/2010 1:45:40 PM	3.494444	514.532	111.92	Initial Shut-In
FF1	10/21/2010 1:46:10 PM	3.502778	47.582	111.928	Final Flow (1)
FF2	10/21/2010 2:30:00 PM	4.233333	21.139	114.395	Final Flow (2)
FS	10/21/2010 3:30:50 PM	5.247222	221.418	115.926	Final Shut-In
FH	10/21/2010 3:34:40 PM	5.311111	2305.002	117.058	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 02929 A

34-275-18W

DATE TICKET NO.

DATE OF JOB: 10-13-10	DISTRICT: Pratt, Kansas	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.	
CUSTOMER: L.D. Drilling, Incorporated		LEASE: Anthony					WELL NO: 1731	
ADDRESS:		COUNTY: Kiowa			STATE: Kansas			
CITY:		SERVICE CREW: C. Messick, M. Mattal, M. McGraw						
AUTHORIZED BY:		JOB TYPE: C.N.W. - Surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM TIME	
19,866	.5						10-12-10 9:30	
						ARRIVED AT JOB	10-12-10 11:30	
19903-19905	.5					START OPERATION	10-13-10 7:30	
						FINISH OPERATION	10-13-10 8:00	
19960-19918	.5					RELEASED	10-13-10 8:30	
						MILES FROM STATION TO WELL	30	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 106	A Serv Lite Cement	sk	200		\$ 2,600.00
P CP 100	Common Cement	sk	175		\$ 2,800.00
P CC 102	Cell flake	Lb	94		\$ 347.80
P CC 109	Calcium Chloride	Lb	1017		\$ 1,067.85
P CC 200	Cement Gel	Lb	330		\$ 82.50
P CF 105	Tap Rubber Plug, 8 7/8"	ea	1		\$ 225.00
P E 100	Pickup Mileage	mi	30		\$ 127.50
P E 101	Heavy Equipment Mileage	mi	60		\$ 420.00
P E 113	Bulk Delivery	tm	509		\$ 813.60
P CE 200	Cement Pump @ Feet To 500 Feet	Job	1		\$ 1,000.00
P CE 240	Blending and mixing service	sk	375		\$ 525.00
P CE 504	Plug Container	Job	1		\$ 250.00
P 5003	Service Supervisor	Job	1		\$ 175.00

SUB-TOTAL

\$ 7,303.98

CHEMICAL / ACID DATA			

SERVICE & EQUIPMENT	% TAX ON \$
MATERIALS	% TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: *Clarena R. M. ...*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Mike ...*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling, Incorporated	Lease No. Anthony	Date 10-13-10
Lease Anthony	Well # 1A-34	
Field Order # 2929	Station Pratt, Kansas	Casing 8 5/8 24Lb.
Type Job C.N.W. - Surface	Depth 505 Feet	County Kiowa
	Formation	State Kansas
		Legal Description 34-265-18W

PIPE DATA		PERFORATING DATA		MATERIAL USED		TREATMENT RESUME	
Casing Size 8 5/8 24 Lb./Ft.	Tubing Size	Shots/Ft	200 sacks	A Serv. Lite	with 3% Calcium Chloride	ISIP	25 Lb./St. Flat
Depth 505 Feet	Depth	From	To	3.5 Lb./Gal.	7.91 Gal./St.	Max	1.59 CV.F.T./St.
Volume 3.2 Bbl.	Volume	From	To	75 sacks	Common with 2.8 Gel	3% Calcium Chloride	25 Lb./St. cell flate
Max Press 350 P.S.I.	Max Press	From	To	5 Lb./Gal.	6.13 Gal./St.	Avg	1.34 CV.F.T./St.
Well Connection Plug Container	Annulus Vol	From	To	Flush	3 Bbl Fresh Water	HHP Used	Annulus Pressure
Plug Depth 470 Feet	Packer Depth	From	To	Flush	3 Bbl Fresh Water	Gas Volume	Total Load

Customer Representative Mitre Godfrey	Station Manager David Scott	Operator Clarence R. Messick
--	--------------------------------	---------------------------------

Service Units	19,986	19,903	19,905	19,960	19,918				
Driver Names	Messick	Mittal	McGraw						

Time	P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30						Trucks on location and hold safety meeting.
5:45						Dutre Drilling start to run 12 Joints new 24 Lb./Ft. 8 5/8" casing.
7:15						Casing in well. Circulate for 5 minutes.
7:23		250			5	Start Fresh Water Pre-Flush.
		250		10	5	Start mixing 200 sacks A Serv. Lite cement
				66	5	Start mixing 75 sacks Common cement
				107		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
7:44		150			5	Start Fresh Water Displacement.
7:50		390		31		Plug down. Shut in well.
						Circulated 10 sacks cement to pit.
						Wash up pump etc.
						Job Complete.
						Thank You.
						Clarence, Mitre, Mitre



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718-02683 A

DATE _____ TICKET NO. _____

DATE OF JOB: 10-24-10		DISTRICT: Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.			
CUSTOMER: L.O. Drilling Inc				LEASE: Anthony				WELL NO. 11-34			
ADDRESS:				COUNTY: Kiowa				STATE: Kans.			
CITY:				STATE:				SERVICE CREW: A. Werth, K. Lesley, Brad			
AUTHORIZED BY:				JOB TYPE: 5 1/2" L.S. PKR Shoe Cmw							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED: 10-23-10 11:00 AM					
2x443 P.u.	2 1/2					ARRIVED AT JOB: 10-24-10 8:30 AM					
3708-20820	2 1/2					START OPERATION: 10-24-10 5:00 AM					
19960-19918	2 1/2					FINISH OPERATION: 10-24-10 7:30 AM					
						RELEASED: 10-24-10 8:30 AM					
						MILES FROM STATION TO WELL: 30 miles					

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 Poz	SK	225		\$ 2700.00
CP103	60/40 Poz	SK	50		\$ 600.00
CC102	cell Flake	LB	57		\$ 210.90
CC111	SALT FINE	LB	2006		\$ 1605.00
CC112	Cement Friction Reducer	LB	97.15		\$ 522.00
CC201	Gilsonite	LB	112.8		\$ 755.76
CF607	Latch down Plug + Baffle 5 1/2 Blue	EA	1		\$ 400.00
CF1001	Cementing Shoe PKR Type 5 1/2 Red	EA	1		\$ 3700.00
CF1651	Turbolizer 5 1/2 Blue	EA	2		\$ 770.00
CF1801	Basket Blue 5 1/2	EA	2		\$ 580.00
CF204	Gal/CS-1L KCL sub	gal	1	\$ 35.00	\$ 35.00
LC151	Mud Flush	gal	500		\$ 420.00
E100	unit mileage charge pickup	mi	30		\$ 120.50
E101	Heavy Equip mileage	mi	60		\$ 240.00
E113	Bulk Delivery charge	TM	356		\$ 368.00
CF206	Depth Charge 5000-6000	1-4h	1		\$ 2880.00
CF240	Blending Mixing Service chg	SK	225		\$ 382.50
CF504	Plug container utilization chg	Job	1		\$ 250.00
S.003	Service Supervisor first 8hrs on loc	EA	1		\$ 1135.00
SUB TOTAL					\$ 11,601.07

CHEMICAL / ACID DATA	

SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Allen F. Ward THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Mike Helmer
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>L.A. Drilling Inc</i>	Lease No. <i>1A-34</i>	Date <i>10-24-10</i>
Lease <i>Anthony</i>	Well # <i>1A-34</i>	
Field Order # <i>02683A</i>	Station <i>Pratt KS</i>	County <i>Pratt</i>
Type Job <i>5 1/2" Long String w/ PKR Shoe</i>	Formation <i>CRM</i>	Legal Description <i>34-27-18</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>5 1/2"</i>	Tubing Size <i>5 1/2"</i>	Shots/Ft <i>225 SKs</i>	From <i>60/40 P02</i>	To <i>60/40 P10</i>	Acid <i>14.3# 6% H₂O₂</i>	RATE <i>14.3# 6% H₂O₂</i>	ISIP <i>5 Min.</i>
Depth <i>5217.96</i>	Depth <i>5217.96</i>	From <i>500</i>	To <i>500</i>	To <i>500</i>	Pre Pad <i>60/40 P10</i>	Max <i>R.H. M.H.</i>	10 Min.
Volume <i>120.89</i>	Volume <i>120.89</i>	From <i>500</i>	To <i>500</i>	To <i>500</i>	Pad <i>901 mud flush</i>	Min <i>15 Min.</i>	15 Min.
Max Press <i>1500</i>	Max Press <i>1500</i>	From <i>500</i>	To <i>500</i>	To <i>500</i>	Flac	Avg	Annulus Pressure
Well Connection <i>P.C.</i>	Annulus Vol.	From <i>500</i>	To <i>500</i>	To <i>500</i>		HHP Used	Annulus Pressure
Plug Depth <i>5202</i>	Packer Depth	From <i>500</i>	To <i>500</i>	To <i>500</i>	Flush <i>Disp H₂O</i>	Gas Volume	Total Load

Customer Representative <i>L.A.</i>	Station Manager <i>scotty</i>	Treater <i>Allen F. Werth</i>
--	----------------------------------	----------------------------------

Service Units <i>7443 33708 20980 19960 19918</i>	Driver <i>Werth</i>	Names <i>Kevin Lealey Brad</i>
--	------------------------	-----------------------------------

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1200 pm</i>					<i>and loc. Discuss Safety, Setup, Plan Job</i>
<i>1330</i>					<i>Rig laying down collars - out of hole, lay down Kelly Rig up to run 5 1/2" Csg. 17#</i>
<i>230</i>					<i>Start casing shoe ft. 15.63 cent. 1-7-9-11-13-15-17 Basket 1-35</i>
<i>515</i>					<i>Pipe @ 5217.96 Hookup + cis.</i>
<i>620</i>					<i>Drop PKR Shoe setting Ball</i>
<i>632</i>	<i>1200#</i>				<i>PKR Shoe set w/ Pump + BK</i>
<i>635</i>	<i>200#</i>		<i>24</i>	<i>5</i>	<i>Pump 24 BBLs 2% KCL</i>
			<i>12</i>	<i>5</i>	<i>Pump 12 BBLs mud flush</i>
			<i>3</i>	<i>3</i>	<i>Pump 3 BBLs H₂O</i>
			<i>57 BBL</i>	<i>6</i>	<i>start mix 225 SKs 60/40 P02 6% H₂O₂</i>
					<i>Finish mix washout Pump + line clear</i>
<i>705</i>				<i>8</i>	<i>Drop L.P. Plug + start Disp.</i>
				<i>7</i>	<i>Crack Lift w/ 80 BBLs out</i>
<i>730</i>	<i>1500#</i>		<i>120.8 BBLs</i>	<i>5</i>	<i>Plug down</i>
	<i>0#</i>				<i>Release PST 0"</i>
					<i>Plug Rat Hole w/ 30 SKs 60/40 P02</i>
					<i>Plug Mouse Hole w/ 20 SKs 60/40 P02</i>
<i>830</i>					<i>Washup + Rack up. (Job Complete)</i>

L. D. Drilling, Inc.

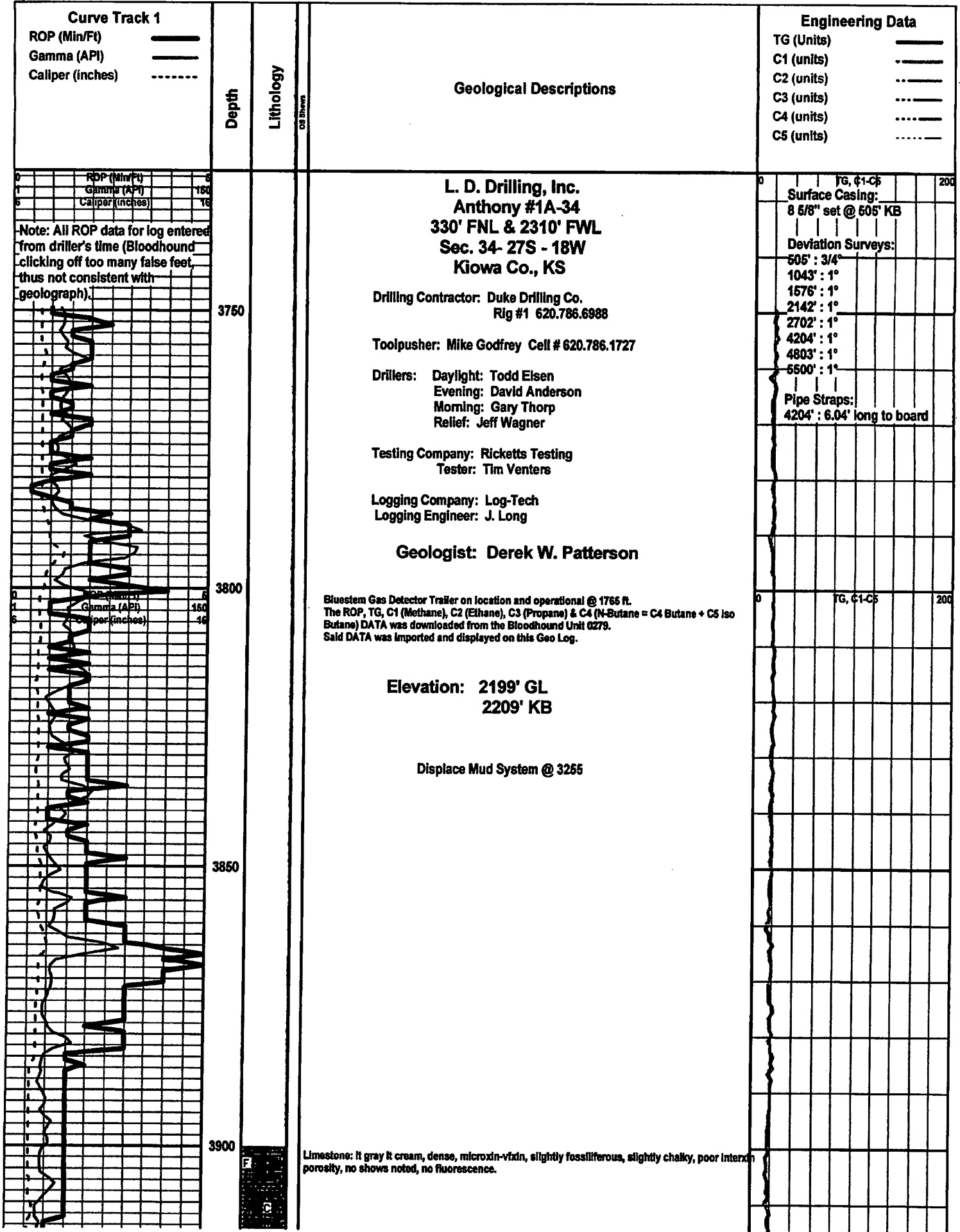
DAILY DRILLING REPORT

Company: L. D. Drilling, Inc.
7 S.W. 26th Avenue
Great Bend, Kansas 67530
Contact: L. D. Davis - Cell: 620.786.1788
L. D. Drilling - Office: 620.793.3051
Geologist: Derek W. Patterson
Cell: 316.655.3550
Office: 316.558.5202

Well: Anthony #1A-34
Location: 330' FNL & 2310' FWL
Sec. 34 - 27S - 18W
Kiowa Co., KS
Elevation: 2199' GL - 2209' KB
Field: Unnamed
API No.: 15-097-21677-0000
Surface Casing: 8 5/8" set @ 505' KB
Toolpusher: Mike Godfrey - 620.786.1727

Drilling Contractor: Duke Drilling Company, Rig #1 - 620.786.6988

10.18.2010	4204'	Geologist Derek W. Patterson on location 1215 hrs 10.17.10 @ 4010'. Reset Bloodhound. Drilling and connections Topeka, Heebner, Toronto, Douglas, Brown Lime, and into Lansing. CFS @ 4202' (LKC 'A'), shows and gas kick warrant DST, short trip, CTCH, drop survey, strap out for DST #1 (LKC 'A'). Conducting DST #1. Pipe Strap @ 4204': 6.04' long to board Deviation Survey @ 4204': 1° DMC: \$194.75 CMC: \$7,407.80
10.19.2010	4265'	Conducting DST #1, test successful, TIH w/ bit, CTCH, resume drilling Lansing 1415 hrs 10.18.10. CFS @ 4243' (LKC 'B'), shows warrant DST, TOH for DST #2 (LKC 'B'). Conducting DST #2, test successful, TIH w/ bit, CTCH, resume drilling Lansing 0600 hrs 10.19.10. DMC: \$944.70 CMC: \$8,352.50
10.20.2010	4709'	Drilling and connections Lansing, BKC, Marmaton, and into Cherokee. DMC: \$1850.25 CMC: \$10,202.75
10.21.2010	4808'	Drilling and connections Cherokee, Mississippian, and into Upper Kinderhook Sand. CFS @ 4767' (Upper Kinderhook Sand), resume drilling. CFS @ 4803' (Lower Kinderhook Sand), shows and gas kick warrant DST, short trip, CTCH, drop survey, TOH for DST #3 (Kinderhook Sand). Conducting DST #3, test successful, TIH w/ bit, CTCH, resume drilling Lower Kinderhook Sand 0645 hrs 10.21.10. Deviation Survey @ 4803': 1° DMC: \$209.50 CMC: \$10,412.25
10.22.2010	4950'	CFS @ 4812' (Lower Kinderhook Sand), shows and gas kick warrant DST, TOH for DST #4 (Lower Kinderhook Sand). Conducting DST #4, test successful, TIH w/ new bit: Varel - He29:1218209. CTCH, resume drilling Kinderhook 2145 hrs 10.21.10. Drilling and connections Kinderhook and into Viola, CFS @ 4950' (Viola). DMC: \$2,618.00 CMC: \$13,030.25
10.23.2010	5366'	Drilling and connections through Viola. Production casing on location 1500 hrs 10.23.10. Drilling and connections Viola, Simpson, and into Arbuckle. Drilling ahead to RTD of 5500'. DMC: \$871.25 CMC: \$13,901.50
10.24.2010	RTD - 5500' LTD - 5504'	Drilling and connections through Arbuckle to RTD of 5500', RTD reached 1615 hrs 10.23.10, CTCH, short trip, CTCH, drop survey, TOH for logging. Open hole logging commenced 2330 hrs 10.23.10, logging operations complete 0545 hrs 10.24.10. Orders received to run 5 1/2" production casing to further evaluate Kinderhook Sand zones encountered while drilling well and to dual complete as SWDW. Geologist Derek W. Patterson off location 0715 hrs 10.24.10. Deviation Survey @ 5500': 1°



Start 20' Wet & Dry Samples @ 3920'

Limestone: lt gray lt cream, dense, microxin-vfxin, slightly fossiliferous, slightly chalky, trace small scattered vugs, overall poor Interxn porosity, no shows noted, no fluorescence.

3950

Limestone: lt gray lt cream off white, dense, microxin-vfxin, slightly fossiliferous in part, slightly chalky, poor Interxn porosity, no shows noted, no fluorescence, with some scattered Chalk in tray.

Limestone: cream tan off white, dense, vfxin-microxin, fossiliferous, poor visible porosity, no shows noted, no fluorescence, with overall decrease in Chalky material, and slight influx Shale: gray dk gr some green, mostly blocky and soft.

Start 10' Wet & Dry Samples @ 4000'

Limestone: off white lt gray lt cream, dense to chalky matrix, vfxin, subfossiliferous in part, fair-poor Interxn porosity, no shows noted, no fluorescence.

FG, C1-C5 200

Geologist, Derek W. Patterson, on location 1215 hrs 10.17.10

Limestone: off white lt gray lt cream, dense, vfxin-fxin, very xin, subfossiliferous to barren, fair Interxn porosity, no shows noted, no fluorescence.

Reset Bloodhound @ 4026
(was 60' ahead of geologist)

Lighter Test

Heebner 4031 (-1822)

Shale: black, carbonaceous, with Shale: gray dk gray, mostly blocky, soft to ha

Andy's Mud Ck
@ 4019'
1155 hrs 10.17.10
Vis 49 WT 9.2
PV 20 YP 14
WL 8.8
Cake 1/32
pH 9.5
Chl 5,000 ppm
Cal 30
Sol 6.2
LCM: 1 #/bbl
DMC: \$330.00
CMC: \$7,213.05

Limestone: lt gray gray cream, dense, microxin-vfxin, fossiliferous to subfossiliferous, poor Interxn porosity, no shows noted, no fluorescence.

Toronto 4048 (-1839)

Limestone: off white lt gray lt cream, dense, microxin-vfxin, mostly barren with some sub-fossiliferous, some scattered 2ndary xin, overall poor Interxn porosity, no shows noted, no fluorescence.

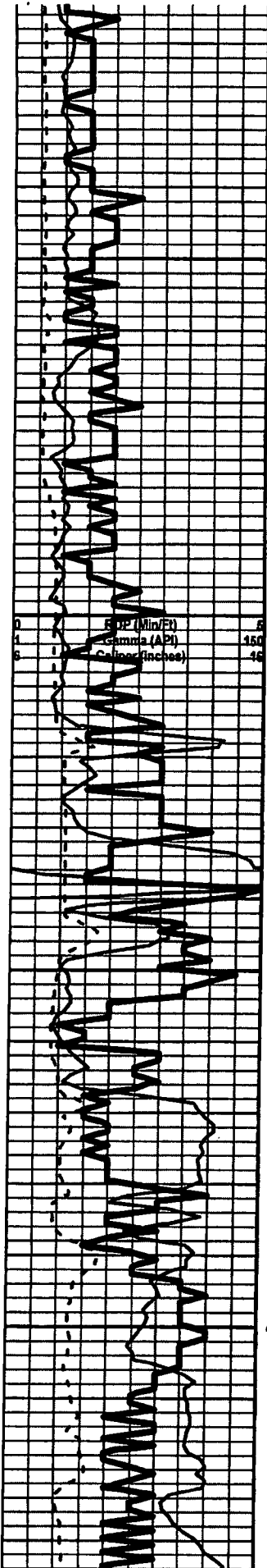
Douglas 4066 (-1857)

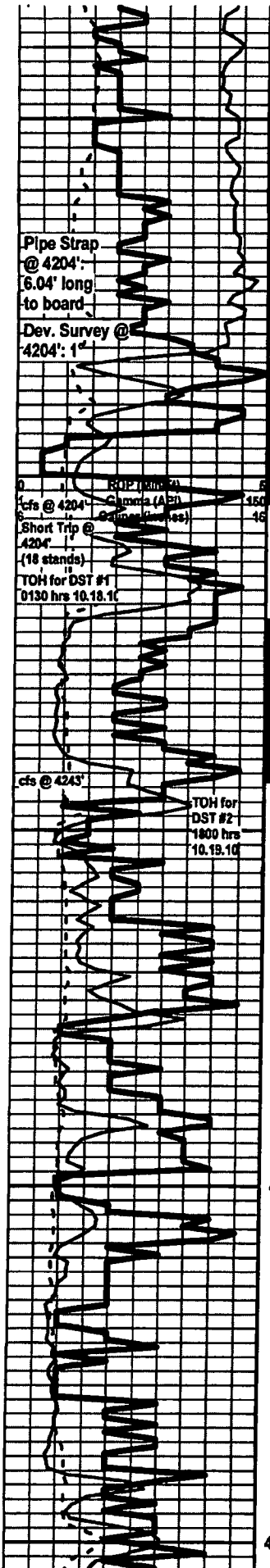
Shale: gray dk gray green brick red, round to blocky, mostly soft, some silty, scattered pyritic, with loose Pyrite fragments in tray.

4100

Shale: gray dk gray lt gray green some brick red, round to blocky, mostly soft, abundant silty shale, with overall decrease in Pyrite from above.

Shale: gray lt gray, mostly blocky, soft to hard, some silty, with trace Siltstone: salt and pepper, micaceous, poor visible porosity, no shows noted, no fluorescence.





4150

DST #1 4184' - 4204'

DST #2 4220' - 4243'

4250

4300

4350

Shale: gray dk gray, mostly blocky, soft and waxy, some slightly silty, with overall decrease in Siltstone as above.

Shale: gray dk gray, mostly blocky, soft and waxy, some slightly silty.

Brown Lime 4181 (-1972)

Limestone: tan brown, dense, microxin, fossiliferous, poor interxn porosity, no shows noted, no fluorescence, with Shale: gray dk gray, blocky and hard.

Lansing 4188 (-1979)

4204 cfs 30"/60" - Limestone: it cream off white, vfxn, oomoldic, some oolitic, fair 2ndary xin in porosity, good oomoldic porosity in most pieces, slight show gas bubbles from porosity with increase under lamp, very slight gassy oil sheen upon break in few pieces, bluish-white cut fluorescence, even bright yellow fluorescence.

Resume Drilling Following DST #1, 1415 hrs 10.18.10

Limestone: it cream tan, dense, microxin-vfxn, some scattered sub-oomoldic, fossiliferous with trace oolitic, poor-fair interxn/oomoldic porosity in few pieces with overall poor visible porosity, no shows noted, very poor even pale yellow fluorescence.

Shale: gray dk gray, round to blocky, soft and waxy.

Limestone: it gray off white, dense to chalky matrix, microxin-vfxn, slightly fossiliferous, poor interxn porosity, no shows noted, poor even dull yellow fluorescence.

4243' cfs 30"/60" - Limestone: off white to gray, chalky matrix, microxin-vfxn, sub-fossiliferous, small scattered small vugs, fair pinpoint/vuggy/interxn porosity, fair-poor show very lit golden oil droplets and gas bubbles upon break with fair increase when left under lamp, scattered golden brown saturated staining in porosity of few pieces, even bright yellow fluorescence, bluish milky white cut fluorescence, moderate odor in cup.

Resume Drilling Following DST #2, 0600 hrs 10.19.10

Shale: gray dk gray, mostly blocky, soft and waxy.

Limestone: it gray, chalky matrix, microxin-vfxn, slightly fossiliferous, poor interxn porosity, no shows noted, very poor-no fluorescence.

Limestone: cream tan, dense, microxin-vfxn, slightly fossiliferous, some scattered medium imbedded calcite crystals, poor interxn porosity, no shows noted, no fluorescence.

Shale: gray dk gray, mostly blocky, hard to soft and wax

Limestone: it cream to gray off white, chalky matrix, microxin-vfxn, fossiliferous in part, poor-fair interxn porosity in some pieces, no shows noted, no fluorescence.

Limestone: tan to brown, dense, vfxn, fossiliferous, some mottled, poor interxn porosity, no shows noted, no fluorescence

Limestone: tan to brown, dense, vfxn, fossiliferous, some mottled, slightly cherty in part, poor interxn porosity, no shows noted, no fluorescence.

Limestone: cream tan, chalky matrix, vfxn-vfxn, fossiliferous with some scattered oolitic, oomoldic, good oomoldic porosity in most pieces, no shows noted, poor even pale yellow fluorescence, with moderate Chalk in sample.

Limestone: tan cream, slightly chalky matrix, vfxn-microxin, barren, overall poor visible porosity, no shows noted, no fluorescence, with some scattered Limestone: tan, microxin, barren, slightly cherty, poor visible porosity, no shows noted, no fluorescence.

Limestone: tan cream, slightly chalky matrix, vfxn, mostly barren, poor visible porosity, no shows noted, no fluorescence.

Limestone: it gray to cream, dense, vfxn-microxin, slightly chalky, fossiliferous, poor interxn porosity, no shows noted, very poor-no fluorescence, with abundant loose Calcite shards and influx Chalk in sample.

Muncie Creek 4350 (-2141)

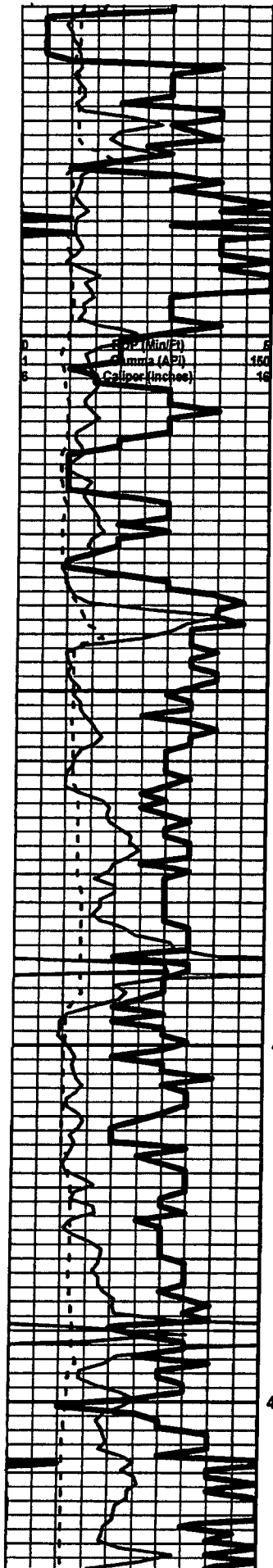
Shale: black, some carbonaceous, with Shale: gray dk gray, mostly blocky and hard.

107 Unit Gas Kick

40 Unit Recycle

Andy's Mud Ck @ 4204' 1300 hrs 10.18.10
Vis 47 Wt 9.4
PV 28 YP 17
WL 10.0
Cake 1/32
pH 9.5
Chl 8,000 ppm
Cal 60
Sol 7.3
LCM: 1 #/bbl
DMC: \$194.76
CMC: \$7,407.80

Bloodhound reading "Low Chromatograph Pressure" Tech on way for repairs. Total Gas still reading correctly.



Limestone: tan to cream to gray, vfxn, heavily oolitic, oomoldic, good oomoldic porosity in most pieces, no shows noted, very poor to spotty dull yellow fluorescence, with continued abundant Calcite shards from above.

Limestone: tan cream, dense, microxin, slightly fossiliferous, poor visible porosity, no shows noted, very poor even dull yellow fluorescence.

Limestone: light gray to cream, dense, microxin-vfxn, fossiliferous, poor visible porosity, no shows noted, very poor even dull yellow fluorescence.

Limestone: light cream to tan, dense to chalky matrix, microxin-vfxn, heavily fossiliferous, poor visible porosity, no shows noted, poor even dull yellow fluorescence.

Limestone: light cream to gray to tan, vfxn, fossiliferous with oolitic, oomoldic, good-fair oomoldic porosity in most pieces, no shows noted, even dull pale yellow fluorescence.

Limestone: light gray to cream off white, vfxn, fossiliferous with oolitic, oomoldic, good oomoldic porosity in most pieces, no shows noted, even dull pale yellow fluorescence.

Limestone: light cream off white, chalky matrix, microxin-vfxn, slightly fossiliferous, poor interxn porosity, no shows noted, even dull pale yellow fluorescence.

Shale: gray dk gray, mostly blocky, soft and waxy to hard.

Limestone: cream to tan, dense, microxin-vfxn, slightly fossiliferous to barren, trace small scattered vugs, poor vuggy/interxn porosity, no shows noted, even dull pale yellow-no fluorescence, with moderate Chalk in sample.

Limestone: off white to cream, dense to chalky matrix, vfxn-microxin, mostly barren, poor interxn porosity, no shows noted, even dull pale yellow-no fluorescence, with continued moderate Chalk in sample.

Limestone: off white to gray, slightly dense to slightly chalky matrix, vfxn-fxn, mostly barren with a few scattered fossils, overall poor interxn porosity, no shows noted, little-no fluorescence, with overall decrease in Chalk in sample, and trace Chert: tan to brown, fresh and sharp, slightly fossiliferous, no shows noted.

Stark Shale 4487 (-2278)

Shale: black, carbonaceous, with Shale: gray dk gray, mostly blocky, soft and waxy.

Limestone: cream to tan, chalky matrix, vfxn, slightly fossiliferous, poor interxn porosity, no shows noted, no fluorescence.

Limestone: light cream to gray, chalky to dense matrix, mostly barren, scattered 2ndary xln, poor interxn porosity, no shows noted, no fluorescence.

Limestone: cream to tan to cream, mostly dense, microxin-vfxn, slightly fossiliferous, some scattered 2ndary xln, poor interxn porosity, no shows noted, no fluorescence.

Limestone: light cream, chalky-dense matrix, vfxn-microxin, fossiliferous, poor interxn porosity, no shows noted, no fluorescence, with scattered Chalk in sample.

Hushpuckney 4539 (-2330)

Shale: black, carbonaceous, with Shale: gray dk gray, blocky and hard, some fissile.

Limestone: cream to light cream to gray, mostly dense, microxin, slightly fossiliferous to barren, poor interxn porosity, no shows noted, no fluorescence, with trace Chert: tan to brown, fresh and sharp, slightly fossiliferous, no shows noted.

Limestone: light cream off white, dense, microxin, scattered sub-fossiliferous, poor interxn porosity, no shows noted, no fluorescence, with trace Chert as above.

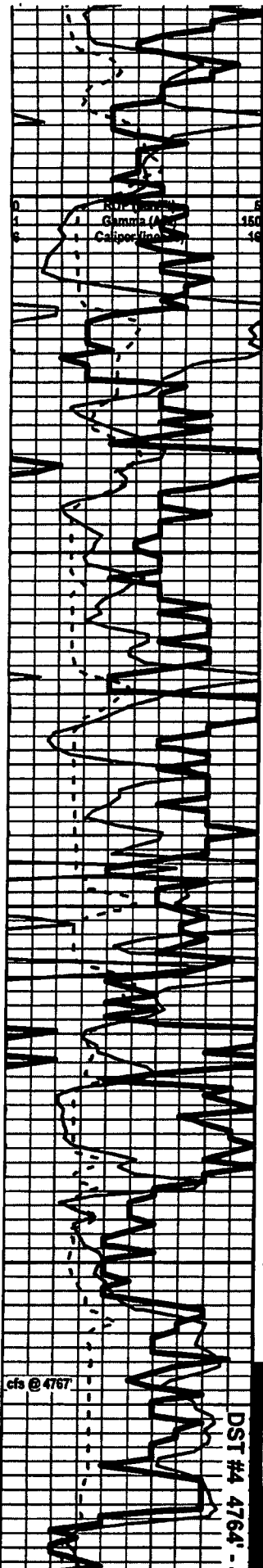
Limestone: cream to tan, dense, vfxn-fxn, slightly mottled, heavily fossiliferous, trace sub-oolitic, so scattered fair-poor interxn porosity, no shows noted, no fluorescence.

Andy's Mud Ck
 @ 4368
 1100 hrs 10.19.10
 Vis 60 WT 9.4
 PV 22 YP 16
 WL 10.8
 Cake 232
 pH 10.0
 Chl 8,000 ppm
 Cal 40
 Sol 7.5
 LCM: 2 #bbl
 DMC: \$944.70
 CMC: \$8,352.60

Bluestem Tech on location for Bloodhound repairs. Pump replaced, but still reading "Low Chromatograph Pressure." Total Gas still reading correctly.

Shale Kick

Shale Kick



Limestone: off white to cream, chalky matrix, microxn-vfxn, slightly fossiliferous, poor visible porosity, no shows noted, very poor even pale yellow fluorescence.

Base Kansas City 4584 (-2375)

Shale: gray dk gray some black, mostly blocky and hard, some scattered round soft and waxy, scattered fissile, with trace Pyrite nodules in sample.

Marmaton 4601 (-2392)

Limestone: gray cream tan, dense, microxn-vfxn chalky in part, fossiliferous to barren, some scattered oolitic, scattered pelletal, some 2ndary xn, poor interxn porosity, no shows noted, some even pale yellow mineral fluorescence, with abundant Shale from above.

Limestone: off cream off white, chalky, fxdn, pelletal, heavily fossiliferous with oolitic, trace oomoldic fair interxn/oomoldic porosity in most pieces, no shows noted, even dull pale yellow fluorescence, with overall decrease in Shale from above.

Limestone: gray cream tan, dense, microxn-vfxn, slightly fossiliferous, poor visible porosity, no shows noted, poor even pale yellow fluorescence, with Shale: gray dk gray some black, mostly blocky and hard.

Limestone (mixed): off cream to gray tan maroon purple, dense, microxn-vfxn with some lithographic non-descript, scattered sub-fossiliferous, slightly cherty in part, overall poor visible porosity, no shows noted, even dull pale yellow fluorescence, with scattered Chert: tan, translucent, fresh and sharp, slightly fossiliferous to barren, no shows noted, and mixed Shale: gray dk gray green brick red purple maroon, limy in part, round to blocky, hard to soft.

Shale: black carbonaceous, with Shale: gray dk gray green, mostly blocky and hard, with some scattered soft and waxy.

Limestone: cream tan, dense, microxn-vfxn with some lithographic non-descript, fossiliferous in part, slightly cherty in part, poor visible porosity, no shows noted, poor-no fluorescence, with trace Chert: tan amber, fresh and sharp, barren, no shows noted, and moderate Chalk in sample.

Lighter Test

Shale: black, carbonaceous, with Shale: gray dk gray green, mostly blocky, soft and waxy with some hard, some slightly silty.

Shale Kick

Limestone: off cream off white, chalky matrix, vfxn, mostly barren with some slightly fossiliferous in part, poor interxn porosity, no shows noted, poor-no fluorescence.

Cherokee 4707 (-2498)

Shale: black, carbonaceous, with Shale: gray dk gray, mostly blocky and hard, some fissile.

Shale Kick

Limestone: brown tan, dense, microxn-vfxn, fossiliferous, poor visible porosity, no shows noted, no fluorescence, with some scattered Chert: tan amber, fresh and sharp, barren, no shows noted.

Shale: black, carbonaceous, with Shale: gray dk gray, blocky and hard, some scattered soft and waxy.

Limestone: brown tan cream, dense, vfxn-fxdn, fossiliferous, poor visible porosity, no shows noted, no fluorescence, with scattered Chert as above, no shows noted.

Mississippian 4738 (-2529)

Chert: amber orange tan, fresh and sharp, sub-fossiliferous in part, few pieces with small solution vugs and slight staining along edges, no show free oil or gas, spotty bright yellow fluorescence in those with vugs/staining, very poor-no cut fluorescence, all others no fluorescence, with Chert: off cream tan, weathered, mostly barren, no shows noted, even dull pale yellow fluorescence.

Upper Kinderhook Sand 4752 (-2543)

cfs 4767 40"/60" - Sandstone: white pale green, calcareous matrix, vf-fine grained, medium-large clean clusters, sub-rounded to sub-angular, well sorted, most well cemented, breaks fairly easily in most pieces, fair-poor intergranular porosity, no shows noted, no fluorescence.

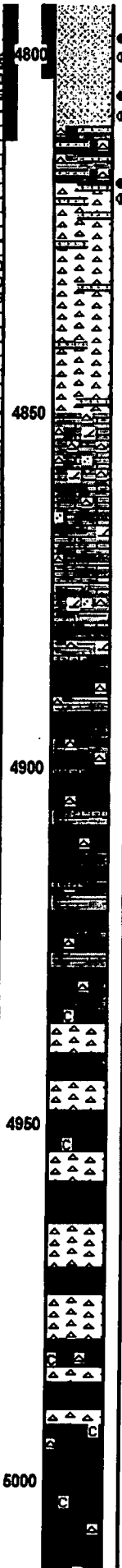
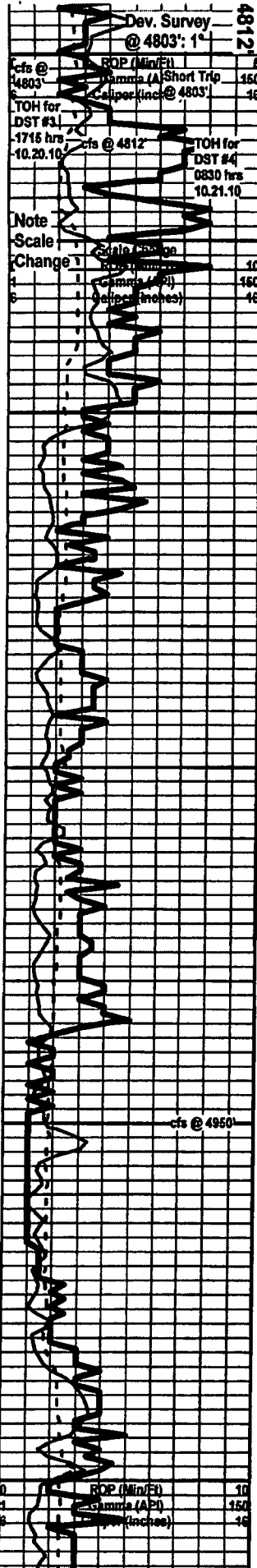
Andy's Mud Ck @ 4767
1000 hrs 10.20.10
Via 61 Wt 9.4
PV 22 YP 12
WL 9.6
Cake 2/32
pH 9.5
Chl 4,000 ppm
Cal 20
Sol 7.5
LCM: 4 #/bbl
DMC: \$1,850.28
CMC: \$10,202.75

Shale: gray dk gray pale green brown, round to blocky, soft to hard, some waxy, some sandy, trace fissile.

Lower Kinderhook Sand 4785 (-2576)

4803' cfs 20"/40" - Sandstone: tan, calcareous matrix, fine grained, medium-large clean clusters, sub-rounded, well sorted, friable, fair-good intergranular porosity, fair show free brown oil with good increase upon break. good to brown saturated stain. even bright pale yellow fluorescence. stream

109 Unit Gas Kick



milky white cut fluorescence, moderate to strong odor in cup.

4803' cfs 60" - Sandstone: as above with slight increase in shows and odor in cup.
Resume Drilling Following DST #3, 0645 hrs 10.21.1

4812' cfs 20" 140" - Sandstone: tan gray some pale green, calcareous matrix, fine grained, medium-large clusters, mostly clean with some slightly micaceous, sub-rounded, well sorted, friable-fair-good intergranular porosity, fair show free brown oil with good increase upon break, good dk brown saturated stain, trace dk brown-black tarry dead oil in few pieces, even bright pale yellow fluorescence, streaming milky white cut fluorescence, moderate to strong odor in cup, decrease in shows in 60".

Viola 4818 (-2609)
Run In New Bit Following DST #4 : Varel - He29:1218209
Resume Drilling Following DST #4, 2145 hrs 10.22.10

4830 Sample - Chert: white to gray pale yellow, speckled/sandy, fresh and sharp, opaque to transparent, no shows noted, no fluorescence, with Sandstone stringers: basically same description as above, fair-good show free oil with good increase upon break, even bright pale yellow fluorescence, streaming milky white cut fluorescence, moderate odor in cup, and some scattered Shale: gray green maroon, blocky and hard.

Chert: white to gray pale yellow pale green, speckled/sandy, fresh and sharp, opaque to transparent, barren, no shows noted, no fluorescence, with Sandstone stringers: as above with overall decrease in shows.

Limestone: off white to gray pale green, dense, fxdn-vfxn, dolomitic, arenaceous in part, barren, poor interxn porosity, no shows noted, even dull pale yellow-white fluorescence, with Chert: bone white, fresh and sharp, barren, no shows noted, no fluorescence.

Limestone: off white to gray pale green, dense, fxdn, dolomitic, arenaceous in part, barren, poor interxn porosity, no shows noted, even dull white fluorescence, with Dolomite: dk gray to cream, vfxn, arenaceous, fair interxn porosity, no shows noted, even dull white fluorescence, and scattered Chert: bone white, fresh and sharp, barren, no shows noted, no fluorescence.

Mixed Limestone, Dolomite, and Chert: as above, with Influx Shale: gray dk gray dk green brick red maroon purple, blocky and hard, some fissile.

4900 Sample - Nearly all Shale: gray dk gray dk green brick red maroon purple, blocky and hard, some fissile, some very large Shale silvers in sample, with scattered dolomitic Limestone and Dolomite as above, no shows noted, and Chert: white bone white, mostly fresh and sharp, translucent to transparent, no shows noted, no fluorescence.

Shale: gray dk gray dk green teal green brick red maroon purple, blocky and hard, some round and soft, some fissile, large Shale silvers in sample, with some scattered Limestone and Dolomite as above, no shows noted, and Chert as above.

Shale: mixed as above, with overall decrease in scattered Limestone and Dolomite, still carrying moderate amount of Chert: white bone white, mostly fresh and sharp, translucent to transparent, slightly fossiliferous in part, no shows noted, no fluorescence.

Predominately all Shale: gray dk gray dk green brick red some black, blocky and hard, some round and soft, some fissile, still carrying some large Shale silvers, with scattered Chert as above, no shows noted.

4950' cfs 60" - Dolomite: off white to cream to gray, fxdn-vfxn with some scattered coarsexdn, sub-rhombic-rhombic development, slightly chalky in part, scattered vugs, fair-good interxn/rhombic/vuggy porosity, no shows noted, poor pale yellow-white fluorescence, mixed with Chert: bone white, fresh and sharp, mostly barren, no shows noted, no fluorescence, and still carrying abundant Shale in sample (from above?).

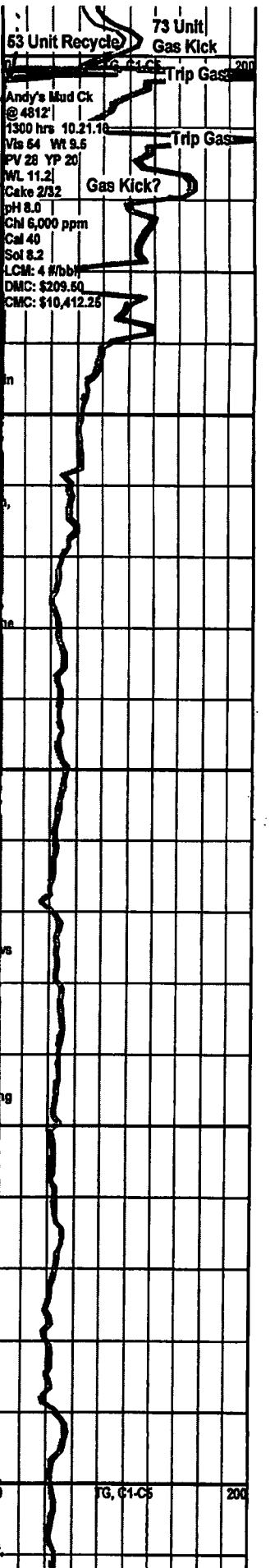
Dolomite: off white to gray, fxdn, good rhombic development, fair rhombic porosity, no shows noted, poor pale yellow-white fluorescence, with abundant Chert: bone white, fresh and sharp with some very slightly weathered, sub-fossiliferous in part, no shows noted, no fluorescence, and overall decrease in Shale from above.

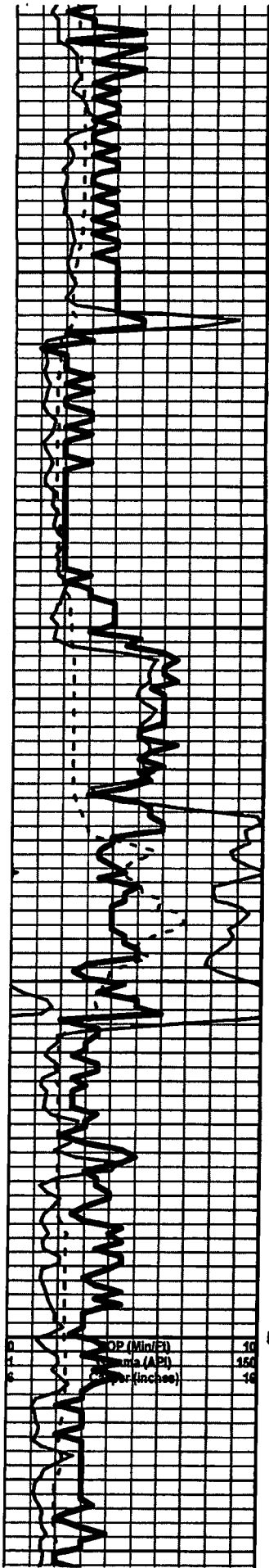
Dolomite: off white to gray, fxdn-vfxn, good rhombic development with some scattered sucrosic, fair interxn porosity, no shows noted, poor white fluorescence, with abundant Chert: bone white, becoming more weathered than above, sub-fossiliferous in part, no shows noted, no fluorescence.

Dolomite: off white to gray, fxdn-vfxn, fair rhombic development with some sub-sucrosic, chalky a pyritic in part, fair interxn porosity, no shows noted, poor white fluorescence, with Chert as above and, Influx Chalk in sample, sample washes white.

Dolomite: as above grading to Dolomite: brown tan, denser tight matrix, vfxn, sub-sucrosic to fair sucrosic development, slightly arenaceous, poor interxn porosity, no shows noted, no fluorescence with overall decrease in Chert and continued Chalk as above, sample washes to gray-white.

Dolomite: as above, with Dolomite: dk gray, dense tight matrix, coarsexdn, good rhombic development, scattered 2ndary xln along edges in few pieces, fair interxn/rhombic porosity, no shows noted, no





fluorescence, slight decrease in amount of Chalk, sample washes slightly white.

Dolomite: It brown tan cream, dense, vfxn-microxin in few pieces, overall poor xin development with some scattered sub-rhombic, slightly pyritic, poor interxin porosity, no shows noted, no fluorescence, with increase in Chalk, sample washes white.

Dolomite: It brown tan cream, dense, vfxn, overall poor xin development with some scattered sub-rhombic, slightly pyritic, poor interxin porosity, no shows noted, no fluorescence, with Dolomite: It cream tan, very chalky matrix, vfxn-fxn in few pieces, sub-rhombic development, poor interxin porosity with most porosity filled by chalk, no shows noted, little-no fluorescence, with continued Chalk as above, sample washes white.

Simpson 5058 (-2849)

Shale: gray dk gray dk green pale green brick red, mostly blocky and hard, with Sandstone stringers: cream off white, slightly chalky calcareous matrix, fine-medium grained, sub-rounded, poor intergranular porosity, no shows noted, no fluorescence.

Dolomite: tan lt brown, fxn, good sucrosic development, mostly friable, fair interxin/sucrosic porosity, no shows noted, no fluorescence, with Dolomite: It cream lt gray, dense, vfxn-microxin, very poor xin development, heavily arenaceous, poor interxin porosity, no shows noted, little-no fluorescence, Chert: bone white, fresh and sharp, opaque, barren, no shows noted, and some scattered Chalk in sample.

Dolomite: It cream lt gray, dense, vfxn, very poor xin development, heavily arenaceous, poor interxin porosity, no shows noted, little-no fluorescence, with Dolomite: cream lt cream, chalky matrix, vfxn-fxn, fair sub-rhombic development, poor interxin porosity with most porosity filled by chalk, no shows noted, no fluorescence, and scattered Chert and Chalk in sample.

Dolomite: gray lt gray, vfxn-fxn, good sucrosic development, slightly arenaceous in part, fair interxin/sucrosic porosity, no shows noted, no fluorescence, with Influx Chert: bone white, mostly fresh and sharp with some very slightly weathered, sub-fossiliferous, no shows noted, no fluorescence.

Dolomite: as above grading to Dolomite: gray dk gray, dense, vfxn-microxin, fair-poor sucrosic development, poor interxin porosity, no shows noted, no fluorescence, with continued Chert as above, no shows noted, no fluorescence.

Dolomite: brown tan dk gray, mottled, dense, vfxn-fxn, cherty and arenaceous, pyritic, slightly fossiliferous, poor visible porosity, no shows noted, no fluorescence, with decrease in Chert from above, grading to Shale: gray dk gray dk green teal brick red, blocky and hard, some fissile.

Shale: gray dk gray dk green teal brick red, blocky and hard, with Sandstone stringers: clear smoky gray, calcareous matrix, fine-coarse grained, sub-angular, medium-large dirty clusters, well cemented, fairly sorted, pyritic in part, poor intergranular porosity, no shows noted, no fluorescence.

Arbuckle 5155 (-2946)

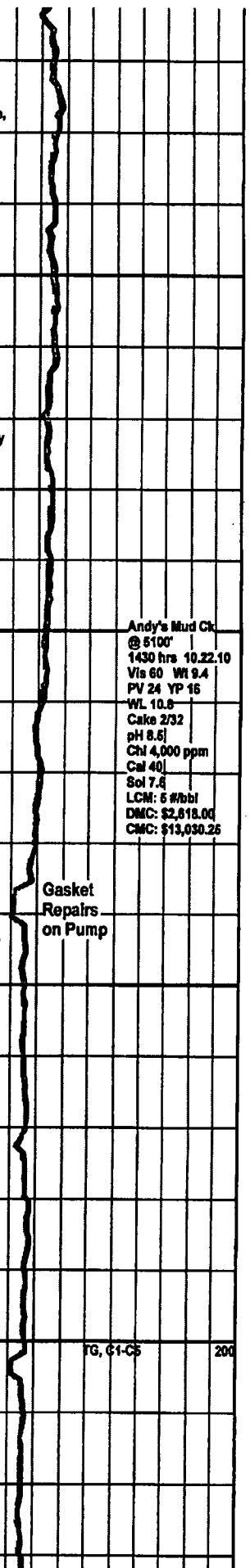
Dolomite: It gray lt cream, vfxn-microxin, poor xin development with some scattered sub-sucrosic, overall poor visible porosity, no shows noted, even bright pale yellow-green fluorescence.

Dolomite: It gray lt cream, vfxn-fxn, fair-good sucrosic development, oolitic in part, oomoldic, scattered vugs, fair-good sucrosic/oomoldic/vuggy porosity, no shows noted, even bright pale yellow-green fluorescence, with Chert: white bone white lt gray, fresh and sharp, oolitic, no shows noted, and scattered Pyrite nodules in sample.

Dolomite: It gray tan, vfxn-fxn, fair sucrosic development, scattered vugs, slightly arenaceous, some 2ndary xin along edges and in porosity, fair sucrosic/vuggy porosity in most places, no shows noted, even bright pale yellow-green fluorescence, with Chert: bone white, mostly fresh and sharp with some slightly weathered, oolitic, no shows noted, and scattered Pyrite nodules in sample.

Dolomite: It gray lt cream, fxn, sub-rhombic to fair rhombic development, trace small vugs, oolitic, trace oomoldic, arenaceous in part, some 2ndary xin along edges and in porosity, fair rhombic/vuggy/oomoldic porosity, no shows noted, even bright pale yellow-green fluorescence, with continued Chert and Pyrite nodules as above.

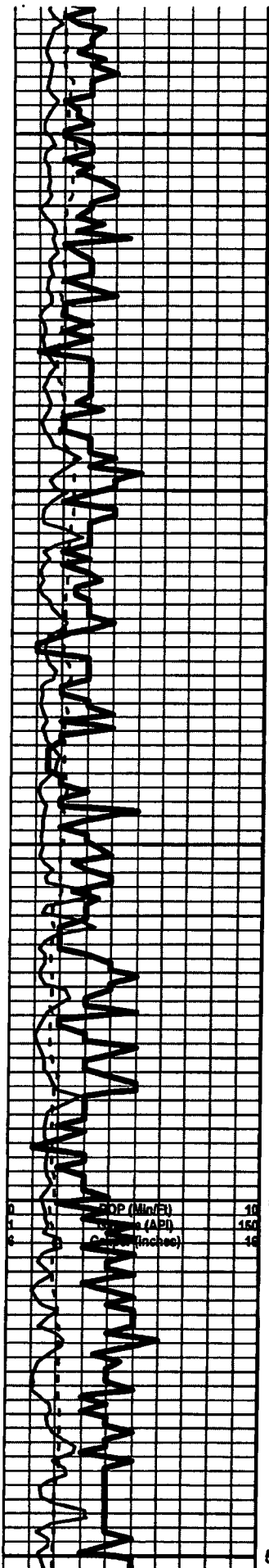
Dolomite: It cream off white, fxn-coarsexin, fair-good rhombic development, trace vugs, arenaceous, slightly chalky, fair-good rhombic/vuggy porosity, no shows noted, even bright pale yellow-green fluorescence, with decrease in Chert, and some scattered Chalk in sample.



Andy's Mud Ck
@ 5100'
1430 hrs 10.22.10
Vis 60 Wt 9.4
PV 24 YP 16
WL 10.6
Cake 2/32
pH 8.6
Cl 4,000 ppm
Cal 40
Sol 7.8
LCM: 6 #/bbl
DMC: \$2,618.00
CMC: \$13,030.25

Gasket
Repairs
on Pump

FG, C1-C5 200



5250

5300

5350

5400

5450

porosity, fair-good rhombic porosity, no shows noted, even bright pale yellow-green fluorescence.

Dolomite: It cream off white, coarsexn-fxn, good rhombic development, slightly chalky in part, sub-arenaceous, scattered 2ndary xln in porosity and along edges, fair-good rhombic porosity, no shows noted, even bright pale yellow-green fluorescence, with scattered Chert: gray smoky gray of white, fresh and sharp, opaque to translucent, fossiliferous, no shows noted.

Dolomite: off white to gray, coarsexn, good rhombic development, chalky, good rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with continued Chert: as above, and scattered loose Calcite crystals in sample.

Dolomite: It gray to cream, coarsexn-vfxn, fair rhombic development, slightly chalky, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with scattered Chert: bone white to gray, some slightly speckled, fresh and sharp, sub-fossiliferous, no shows noted, and trace loose Calcite crystals in sample.

Dolomite: It gray to cream, fxn-vfxn, fair-poor rhombic development, slightly chalky, poor rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with continued Chert as above.

Dolomite: It gray to cream off white, coarsexn, good rhombic development, slightly chalky, arenaceous in part, good rhombic porosity in most pieces, no shows noted, even dull pale yellow-green fluorescence, with some scattered Chert: as above, with some slightly pyritic, no shows noted.

Dolomite: It gray to cream, fxn, fair rhombic development, slightly chalky, 2ndary xln in porosity in most pieces, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with influx Shale: green dk green, blocky and hard, waxy, slightly pyritic, fissile.

Dolomite: It cream to tan, coarsexn-fxn, good rhombic development, some 2ndary xln in porosity, fair-good rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with continued Shale as above, and Sandstone: clear, dolomitic matrix, fine grained, well rounded, clean medium clusters, well cemented, well sorted, fair intergranular porosity, no shows noted, poor dull pale yellow fluorescence, and overall decrease in Shale from above.

Dolomite: It cream tan, denser matrix, coarsexn-fxn, fair rhombic development, 2ndary xln in porosity, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with scattered Sandstone stringers as above.

Dolomite: It gray off white, fxn, good sucrosic development with some scattered sub-rhombic, ch fair interxn porosity, no shows noted, even dull pale yellow-green fluorescence, with scattered Chert: white bone white, mostly fresh and sharp, no shows noted.

Dolomite: tan to brown to cream, fxn-coarsexn, good rhombic development, scattered 2ndary xln, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with scattered Chert as above.

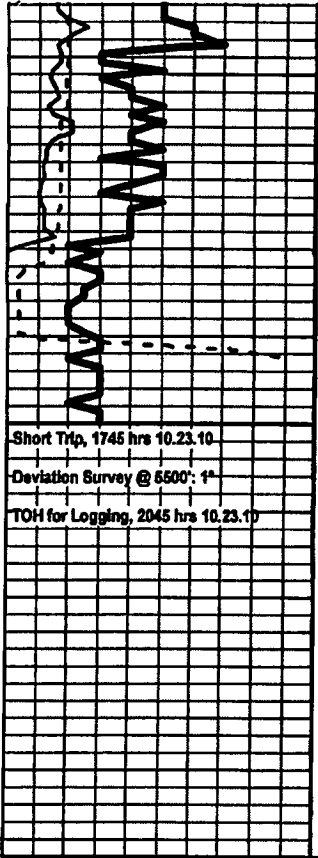
Dolomite: off white to gray, fxn-coarsexn, fair-good rhombic development, scattered 2ndary xln, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with Chert: white to gray, mostly fresh and sharp, sub-fossiliferous with some oolitic, no shows noted, scattered Chalk, and loose Calcite grains in sample.

Dolomite: It cream tan, fxn-vfxn with some scattered coarsexn, fair rhombic development, chalky, some 2ndary xln, fair rhombic porosity, no shows noted, even dull pale yellow-green fluorescence, with continued Chert as above.

Dolomite: off white, vfxn-microxn, fair-good sucrosic development, chalky, slightly pyritic, poor interxn porosity, no shows noted, even dull pale yellow-white fluorescence, with scattered Chert as above.

Dolomite: tan cream pink, microxn-vfxn, poor xln development with some slightly sucrosic, poor interxn porosity, no shows noted, even poor dull pale yellow-green fluorescence, with Chert: white bone white to gray, fresh and sharp, slightly fossiliferous, no shows noted.

TG, C1-C5	200
Andy's Mud Ck @ 5404'	
0930 hrs 10.23.10	
Vis 53	WT 9.4
PV 26	YP 18
WL 9.6	
Cake 2/32	
pH 8.0	
Chl 5,000 ppm	
Cal 40	
Sol 7.6	
LCM: 4.5 #/bbl	
DMC: \$871.25	
CMC: \$13,901.50	



6500

D
 F
 P
 C
 A

Dolomite: ft cream tan, mostly dense, vfdn-fxn, fair rhombic development, fair visible interaxin porosity, no shows noted, even dull pale yellow-green fluorescence, with continued Chert as above

Dolomite: as above, becoming less dense with increased porosity, no shows noted, even dull pale yellow-green fluorescence, and continued Chert.

Dolomite: ft cream to gray, fxdn-coarsxdn, fair-good rhombic development, slightly chalky, scattered vugs, fair-good rhombic/vuggy porosity in most places, no shows noted, even dull pale yellow-green fluorescence, with scattered Chert as above, and Influx Shale: green dk green dk gray, blocky and hard, fissile, slightly pyritic in part.

RTD 5500 (-3291)
LTD 5504' (-3295)

Rotary TD @ 5500', 1615 hrs 10.23.10
 Log Tech Open Hole Logging TD @ 5504'
 Commence Open Hole Logging Operations, 2330 hrs 10.23.10
 Complete Open Hole Logging Operations, 0545 hrs 10.24.10
 Orders Received to Run 5 1/2" Production Casing

Geologist Derek W. Patterson off location, 0715 hrs 10.24.10

Respectfully Submitted,
Derek W. Patterson

