



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____ Date: _____



1050339

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <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

Name	Top	Datum
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.**
 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 # **1** Test Date **10/18/2010**
 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 **9.2** Viscosity **49.0**
 Filtrate **8.8** Chlorides **5000**

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

Formation **Lansing "A"**
 Interval Top **4184.0** 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.**

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 **2:45 AM**
 Tool Picked Up **4:35 AM**
 Tool Layed Dwn **11:00 AM**

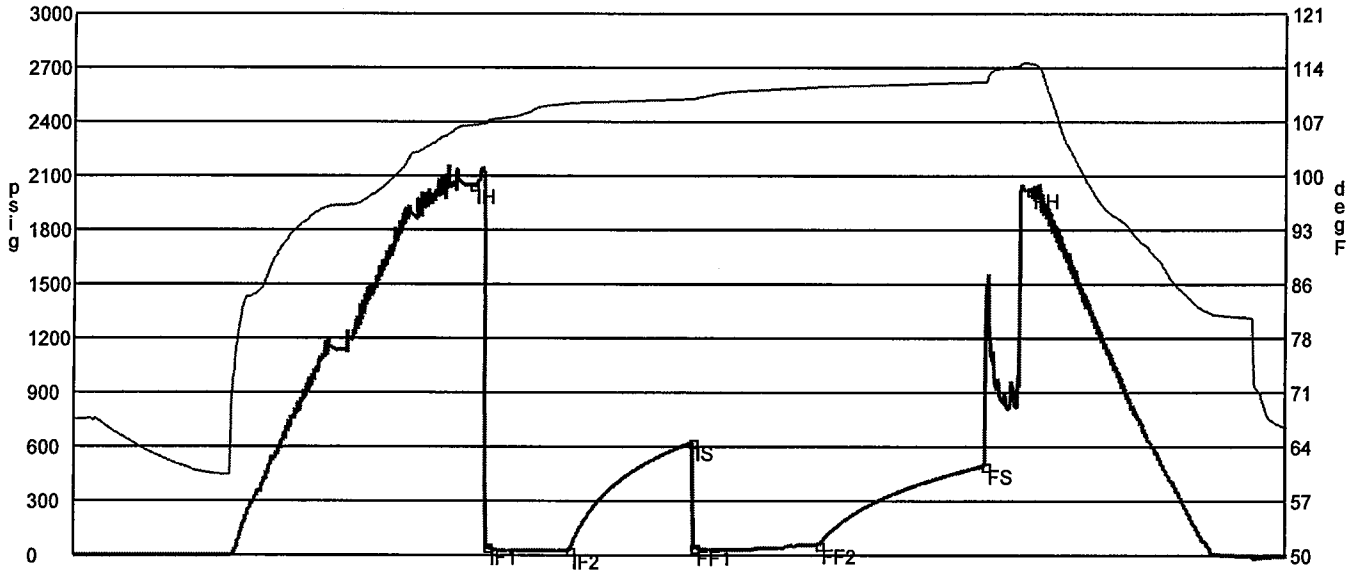
Elevation **2194.00** Kelley Bushings **2206.00**

Start Date/Time **10/18/2010 3:47 AM**
 End Date/Time **10/18/2010 11:02 AM**

RECOVERY

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

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
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.**
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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 # **2** Test Date **10/19/2010**
 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 **47.0**
 Filtrate **10.0** Chlorides **8000**

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

Formation **Lansing "B"**
 Interval Top **4220.0** Bottom **4243.0**
 Anchor Len Below **23.0** Between **0**
 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.**

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 **7:00 PM**
 Tool Picked Up **7:50 PM**
 Tool Layed Dwn **2:15 AM**

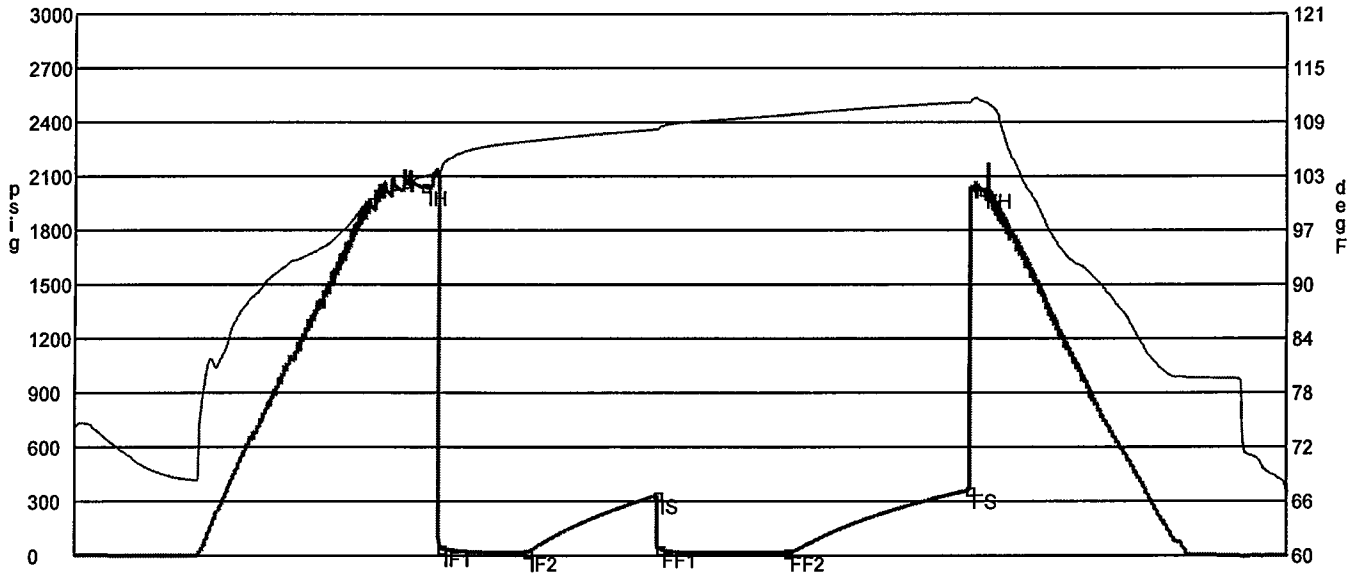
Elevation **2197.00** Kelley Bushings **2209.00**

Start Date/Time **10/18/2010 7:23 PM**
 End Date/Time **10/19/2010 2:18 AM**

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**

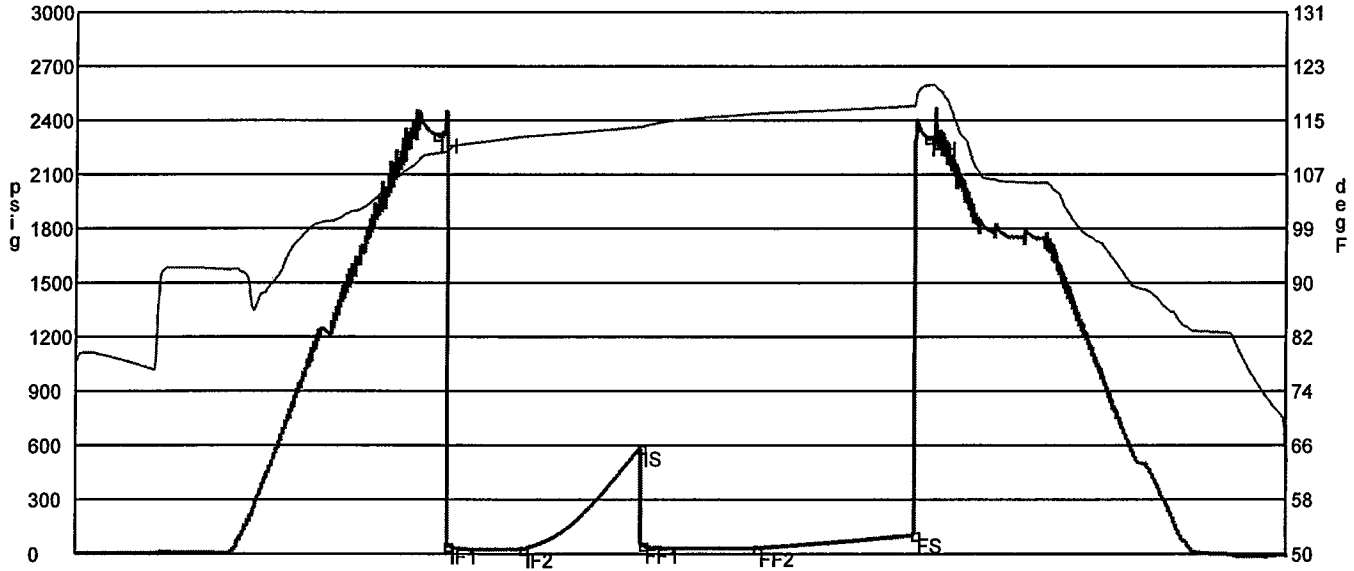
Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1022**
 Bott Recorder # **13310**
 Mileage **76** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **6:20 PM**
 Tool Picked Up **7:25 PM**
 Tool Layed Dwn **2:35 AM**
 Elevation **2197.00** Kelley Bushings **2209.00**

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 througout the final flow period. Times: 30, 45, 45, 60.**

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**

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**

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

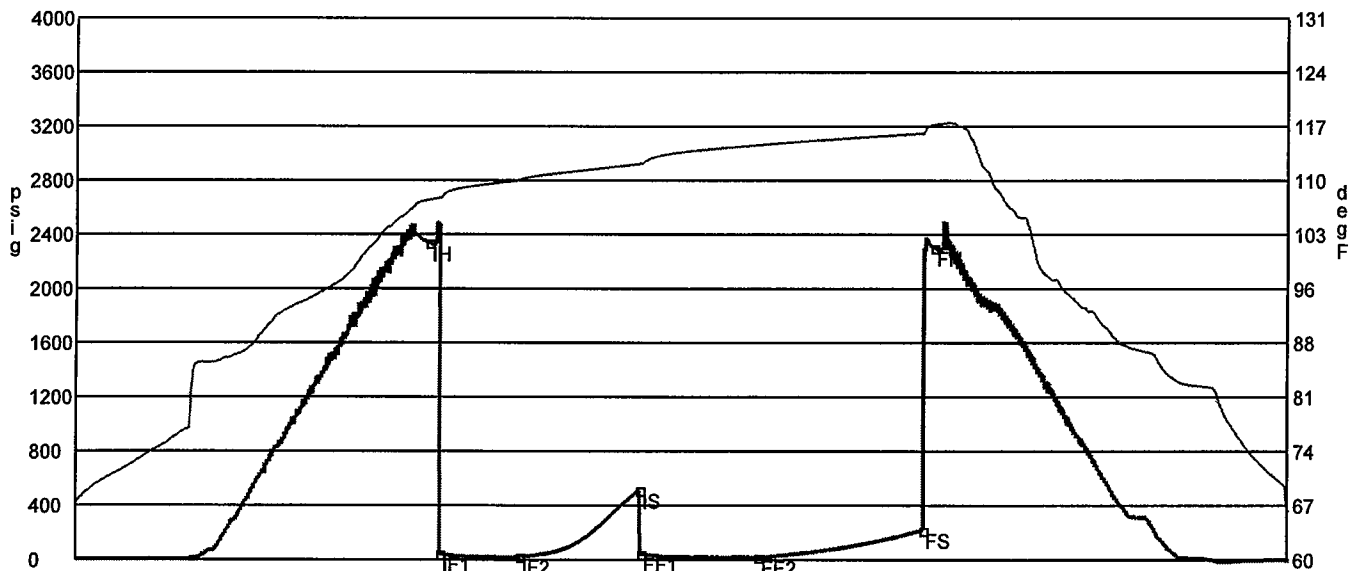
Elevation **2197.00** Kelley Bushings **2209.00**

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.**

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. 1-A34							
ADDRESS _____		COUNTY Kiowa STATE Kansas							
CITY _____ STATE _____		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	AM	9:30
						ARRIVED AT JOB	10-12-10	AM	11:30
19,903-19,905	.5					START OPERATION	10-13-10	AM	7:30
						FINISH OPERATION	10-13-10	AM	8:00
19,960-19,918	.5					RELEASED	10-13-10	AM	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	Top Rubber Plug, 8 5/8"	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: 0 Feet To 500 Feet	Job	1		\$ 1,000 00
P CE 240	Blending and Mixing service	sh	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 *Cherene R. Messick*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY *Mike Hadley*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

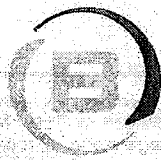
Customer L.D. Drilling, Incorporated	Lease No.	Date 10-13-10
Lease Anthony	Well # 1A-34	
Field Order # 2929	Station Pratt, Kansas	County Kiowa
Type Job C.N.W. - Surface	Depth 505 Feet	State Kansas
	Formation	Legal Description 34-275-18W

PIPE DATA		PERFORATING DATA		CEMENT USED	TREATMENT RESUME	
Casing Size 8 5/8" 24 Lb./Ft.	Tubing Size	Shots/Ft	200 sacks	A Serv-lite with 3% Calcium Chloride	BASE PRESS	ISIP
Depth 505 Feet	Depth	From	To	13.5 Lb./Gal., 7.91 Gal./ft.	1.59 CU.F.T./stk.	5 Min.
Volume 3.2 Bbl.	Volume	From	To	175 sacks Common with 2% Gel, 3% Calcium Chloride	1.34 CU.F.T./stk.	15 Min.
Max Press 350 PSI	Max Press	From	To	15 Lb./Gal., 6.13 Gal./ft.		
Well Connection Plug container	Annulus Vol.	From	To		HHP Used	Annulus Pressure
Plug Depth 490 Feet	Packer Depth	From	To	Flush 31 Bbl. Fresh Water	Gas Volume	Total Load

Customer Representative Mike Godfrey	Station Manager David Scott	Treater Clarence R. Messick
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Service Units	19,866	19,903	19,905	19,960	19,918				
Driver Names	Messick	Mattal	McGraw						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					Trucks on location and hold safety meeting.
5:45	Dulte	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 175 sacks Common Cement.
	0		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 trk.
					Job Complete.
					Thank You.
					Clarence, Mike, Mike



BASICSM
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.D. Drilling Inc		LEASE Anthony #1A-34 WELL NO.							
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 CWW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.u	2 1/2						10-23-10	AM	1100
33708-20920	2 1/2					ARRIVED AT JOB	10-24-10	PM	230
19960-19918	2 1/2					START OPERATION	10-24-10	AM	500
						FINISH OPERATION	10-24-10	AM	730
						RELEASED	10-24-10	AM	830
						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		\$ 1003.00
CC112	Cement Friction Reducer	lb	97.16		\$ 582.00
CC201	Gilsonite	lb	1128		\$ 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	7		\$ 770.00
CF1801	Basket Blue 5 1/2"	EA	2		\$ 580.00
C704	1-gal/CS-1L KCL sub	gal	1	\$ 35.00	\$ 35.00
CC151	Mud Flush	gnt	500		\$ 420.00
E100	unit mileage charge & pickup	mi	30		\$ 107.50
E101	Heavy Equip mileage	mi	60		\$ 420.00
E113	Bulk Delivery charge	tm	356		\$ 368.00
CE206	Depth Charge 5001-6000	1-4h	1		\$ 2880.00
CE240	Blending & mixing service chg	SK	225		\$ 385.00
CE504	Plug container utilization chg	Job	1		\$ 250.00
S003	Service Supervisor first 8hrs on loc	EA	1		\$ [REDACTED]
SUB TOTAL					4175.00

CHEMICAL / ACID DATA:			

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

DLS #11,60107

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

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.O. Drilling Inc	Lease No.	Date 10-24-10
Lease Anthony	Well # 1A-34	
Field Order # 02683A	Station Pratt FS	County Kiowa
Type Job 5 1/2" Long String w/ PKR Shoe	Casing 5 1/2"	Depth 5217.46
	Formation TO	Legal Description 34-27-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 5217.96	Depth	From	To	Pre Pad		Max		5 Min.
Volume 120.89	Volume	From	To	Pad		Min		10 Min.
Max Press 1500	Max Press	From	To	Frac		Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To	Flush		HHP Used		Annulus Pressure
Plug Depth 5202	Packer Depth	From	To	Disp		Gas Volume		Total Load

Customer Representative L.O.	Station Manager scotty	Treater Allen F. Werth
--	----------------------------------	----------------------------------

Service Units	2443	33708	20980	19960	19918				
Driver Names	A. werth	Keenan	Lesley	Brad					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200 pm					on loc. Discuss Safety, Setup, Plan Job
1230					Rig Laying down collars -
230					out of hole, lay down Kelly Rig up
515					To Run 5 1/2" Csg. 17'
620					Start casing shoe Jt. 15.63'
632	1800#				cent. 1-7-9-11-13-15-17
635	200#		24	5	Basket 1-35
			12	5	Pipe @ 5217.96 Hookup + CIA.
			3	3	Drop PKR Shoe setting Ball
				6	PKR Shoe set w/ Pump + RK
					Pump 24 BBLs 20% KCL
					Pump 12 BBLs mud Flush
					Pump 3 BBLs H2O
			57 BBL		start mix 225 SKS 60/40 Poz @ 14.3#
705				8.	Finish mix washout Pump + Line Clear
730	1500#		120.8 BBLs	7	Drop L.P. Plug + Start Disp.
	0#			5	Caught Lift w/ 80 BBLs out
					Plug down
					Release PSI 0#
830					Plug Rat Hole w/ 30 SKS 60/40 Poz
					Plug Mouse Hole w/ 20 SKS 60/40 Poz
					washup + Rackup. (Job Complete)

Thanks
Allen Keenan
10/24/10

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

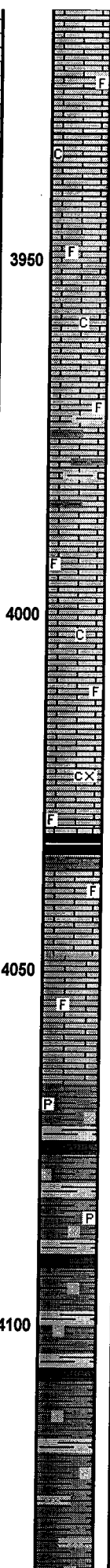
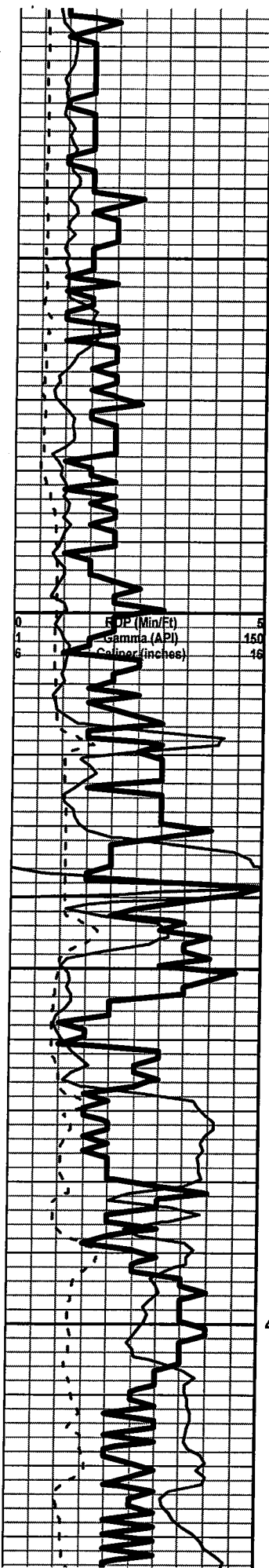
Drilling Contractor: Duke Drilling Company, Rig #1 - 620.786.6988

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°

L. D. Drilling, Inc.

WELL COMPARISON SHEET

Formation	DRILLING WELL				COMPARISON WELL											
	L. D. Drilling, Inc. - Anthony #1A-34 Sec. 34 - 27S - 18W 330' FNL & 2310' FWL				L. D. Drilling, Inc. - Anthony #1-27 Sec. 27 - 27S - 18W 1980' FSL & 1300' FWL				Cinco Exploration - Gene Einsel #1 Sec. 34 - 27S - 18W SW SW NE							
	2209 KB				Oil - Kinderhook 2194 KB				Dry 2199 KB							
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sample	Sub-Sea	Log	Sub-Sea	Log	Sample	Sub-Sea	Log	Sample	Sub-Sea	Log
Heebner	4031	-1822	4034	-1825	4022	-1830	8	5	4023	-1829	7	4	4046	-1847	25	22
Toronto	4048	-1839	4048	-1839	4036	-1844	5	5	4036	-1842	3	3	4054	-1855	16	16
Douglas	4066	-1857	4068	-1859	4058	-1866	9	7	4055	-1861	4	2	4069	-1870	13	11
Brown Lime	4181	-1972	4183	-1974	4178	-1986	14	12	4169	-1975	3	1	4198	-1999	27	25
Lansing	4188	-1979	4190	-1981	4185	-1993	14	12	4178	-1984	5	3	4206	-2007	28	26
Stark Shale	4487	-2278	4488	-2279	4479	-2287	9	8	4476	-2282	4	3	4510	-2311	33	32
Base KC	4584	-2375	4580	-2371	4570	-2378	3	7	4576	-2382	7	11	4604	-2405	30	34
Marmaton	4601	-2392	4600	-2391	4580	-2388	4	3	4590	-2396	4	5	4614	-2415	23	24
Cherokee	4707	-2498	4708	-2499	4700	-2508	10	9	4691	-2497	-1	-2	4732	-2533	35	34
Mississippian	4738	-2529	4740	-2531	4734	-2542	13	11	4724	-2530	1	-1	4774	-2575	46	44
Kinderhook	4749	-2540	4749	-2540	4746	-2554	14	14	4736	-2542	2	2	4818	-2619	79	79
Upper Sand	4752	-2543	4751	-2542	4749	-2557	14	15	4739	-2545	2	3	4822	-2623	80	81
Lower Sand	4785	-2576	4787	-2578	4787	-2595	19	17	4770	-2576	0	-2	4853	-2654	78	76
Viola	4818	-2609	4825	-2616	4833	-2641	32	25	4809	-2615	6	-1	4888	-2689	80	73
Simpson	5058	-2849	5056	-2847	Not Penetrated				Not Penetrated				Not Penetrated			
Arbuckle	5155	-2946	5156	-2947	Not Penetrated				Not Penetrated				Not Penetrated			
Total Depth	5500	-3291	5504	-3295	4874	-2682	-609	-613	4879	-2685	-606	-610	4928	-2729	-562	



Start 20' Wet & Dry Samples @ 3920'

Limestone: It gray It cream, dense, microxn-vfxln, slightly fossiliferous, slightly chalky, trace small scattered vugs, overall poor interxn porosity, no shows noted, no fluorescence.

3950

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

4000

Start 10' Wet & Dry Samples @ 4000'

Limestone: off white It gray It cream, dense to chalky matrix, vfxln, subfossiliferous in part, fair-poor interxn porosity, no shows noted, no fluorescence.

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

Limestone: off white It gray It cream, dense, vfxln-fxln, very xln, subfossiliferous to barren, fair interxn porosity, no shows noted, no fluorescence.

Heebner 4031 (-1822)

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

Limestone: It gray gray cream, dense, microxn-vfxln, fossiliferous to subfossiliferous, poor interxn porosity, no shows noted, no fluorescence.

4050

Toronto 4048 (-1839)

Limestone: off white It gray It cream, dense, microxn-vfxln, mostly barren with some sub-fossiliferous, some scattered 2ndary xln, 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 It gray green some brick red, round to blocky, mostly soft, abundant silty shale, with overall decrease in Pyrite from above.

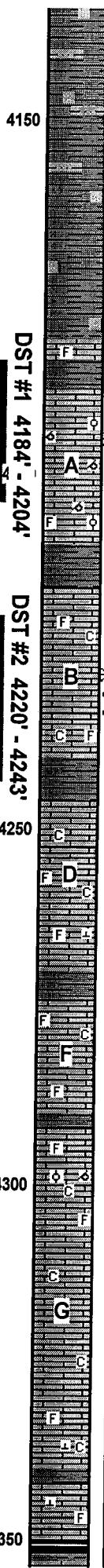
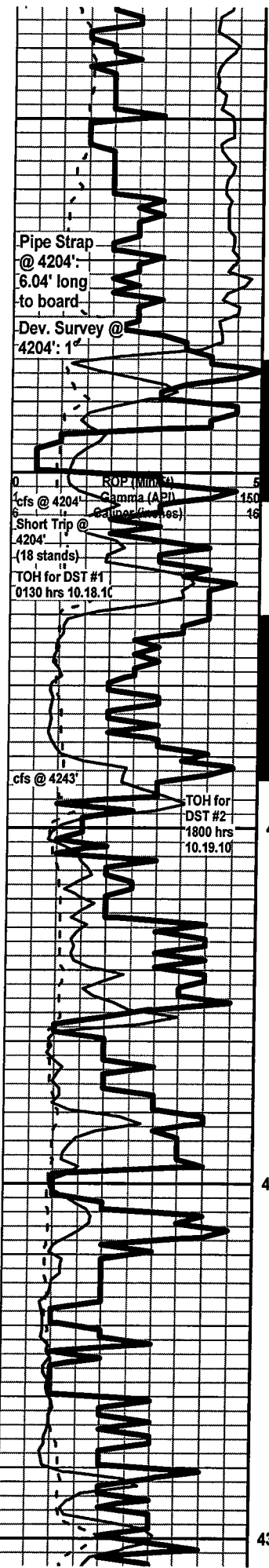
Shale: gray It gray, mostly blocky, soft to hard, some silty, with trace Siltstone: salt and pepper, micaceous, poor visible porosity, no shows noted, no fluorescence.

TC, C1-C5 200

Reset Bloodhound @ 4026
(was 50' ahead of geolograph)

Lighter Test

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



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.

Brown Lime 4181 (-1972)
Limestone: tan brown, dense, microxn, 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, vfxln, oomoldic, some oolitic, fair 2ndary xln 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, microxn-vfxln, some scattered sub-oomoldic, fossiliferous with tra 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, microxn-vfxln, slightly fossiliferous, poor inter porosity, no shows noted, poor even dull yellow fluorescence.

4243' cfs 30"/60" - Limestone: off white lt gray, chalky matrix, microxn-vfxln, sub-fossiliferous, small scattered small vugs, fair pinpoint/vuggy/interxn porosity, fair-poor show very lt golden oil dropples 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, microxn-vfxln, slightly fossiliferous, poor interxn porosity, no shows noted, very poor-no fluorescence

Limestone: cream tan, dense, microxn-vfxln, 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 lt gray off white, chalky matrix, microxn-vfxln, fossiliferous in part, poor-fair interxn porosity in some pieces, no shows noted, no fluorescence.

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

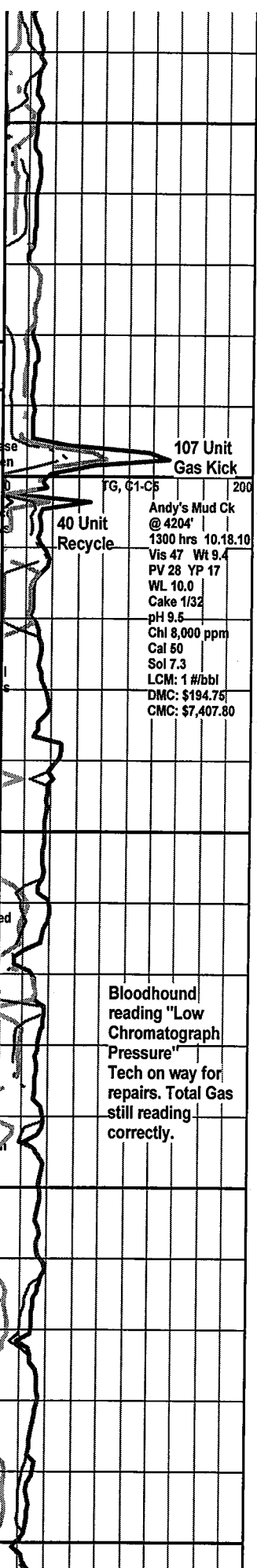
Limestone: tan lt brown, dense, vfxln, fossiliferous, some mottled, slighty cherty in part, poor interxn porosity, no shows noted, no fluorescence.

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

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

Limestone: It gray lt cream, dense, vfxln-microxn, slightly chalky, fossiliferous, poor interxn porosity, no shows noted, very poor-no fluorescence, with abundant loose Calcite shards and influx Chalk in sample.



107 Unit Gas Kick

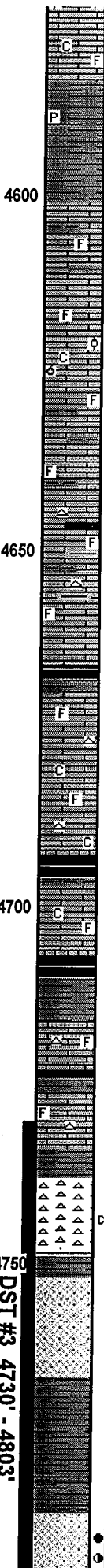
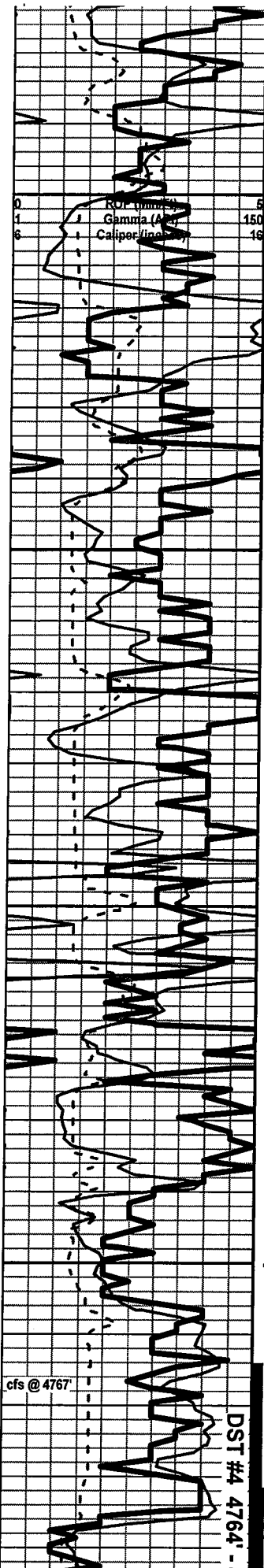
40 Unit Recycle

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 50
Sol 7.3
LCM: 1 #/bbl
DMC: \$194.75
CMC: \$7,407.80

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

Muncie Creek 4350 (-2141)

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



Limestone: off white to cream, chalky matrix, microxn-vfxln, 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-vfxln chalky in part, fossiliferous to barren, some scattered oolitic, scattered pelletal, some Zndary xln, poor interxn porosity, no shows noted, some even pale yellow mineral fluorescence, with abundant Shale from above.

Limestone: It cream off white, chalky, fxl, 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-vfxln, 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): It cream to gray tan maroon purple, dense, microxn-vfxln 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, limey 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-vfxln 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.

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

Limestone: It cream off white, chalky matrix, vfxln, 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.

Limestone: brown tan, dense, microxn-vfxln, 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, vfxln-fxl, 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: It cream tan, weathered, mostly barren, no shows noted, even dull pale yellow fluorescence.

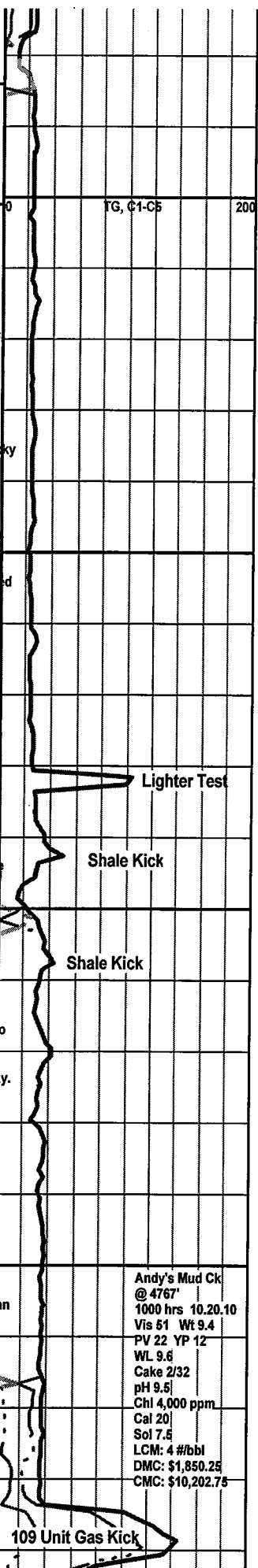
Upper Kinderhook Sand 4752 (-2543)

cfs 4767 40"/60" - Sandstone: white pale green, calcareous matrix, v-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.

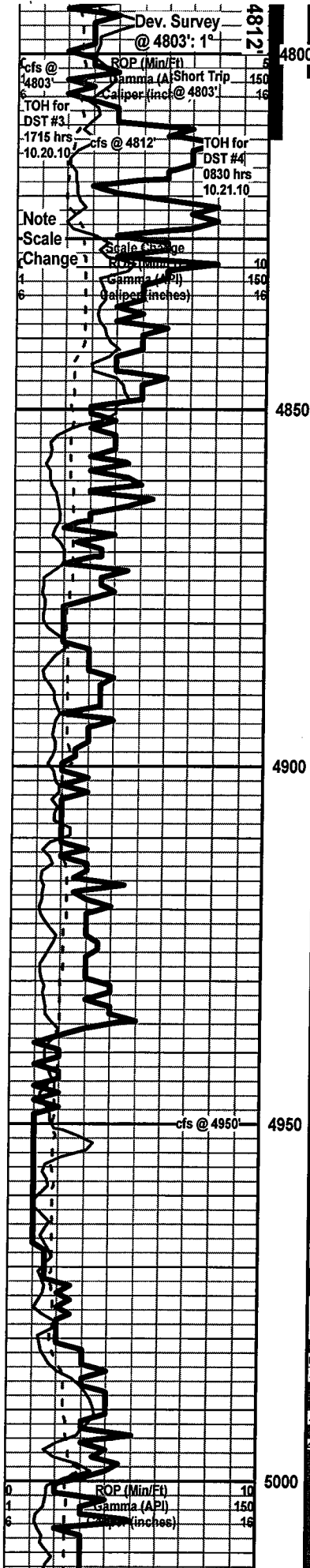
Shale: gray dk gray pale green brown, round to blocky, soft to hard, some waxy, some sandy, trace fissile.

Lower Kinderhook Sand 4785 (-2576)

4803' cfs 20"/60" - 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



Andy's Mud Ck @ 4767' | 1000 hrs 10.20.10
Vis 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: \$1,850.25
CMC: \$10,202.75



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"/40" - 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 it 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 lt 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 lt 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 lt gray pale green, dense, fxln-vfxln, 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 lt gray pale green, dense, fxln, dolomitic, arenaceous in part, barren, poor interxn porosity, no shows noted, even dull white fluorescence, with Dolomite: lt gray lt cream, vfxln, 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 slivers 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 slivers 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 slivers, with scattered Chert as above, no shows noted.

4950' cfs 60" - Dolomite: off white lt cream lt gray, fxln-vfxln with some scattered coarsexln, 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?).

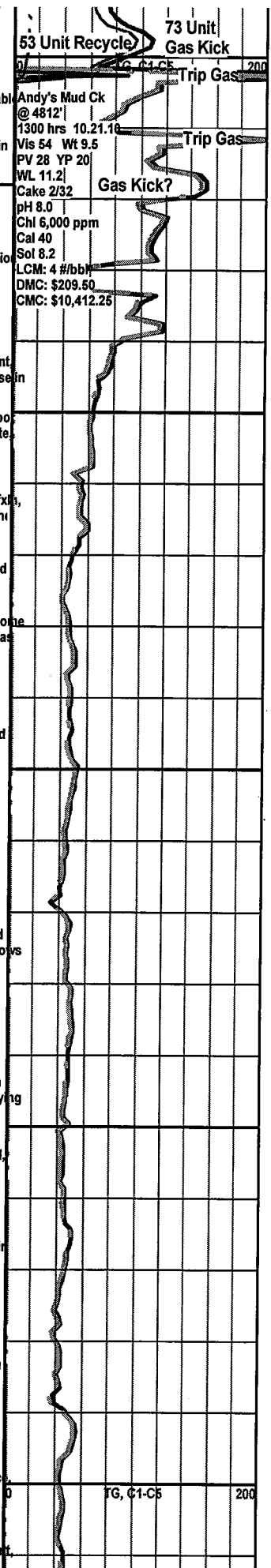
Dolomite: off white lt gray, fxln, good rhombic development, fair rhombic porosity, no shows noted, poor pale yellow-white fluorescence, with abundant Chert: bone white, fresh and sharp with some very slightly weathered, sub-fossiliferous in part, no shows noted, no fluorescence, and overall decrease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

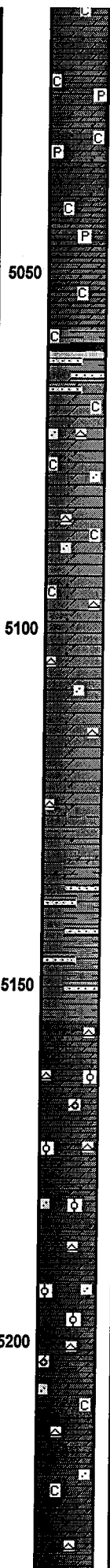
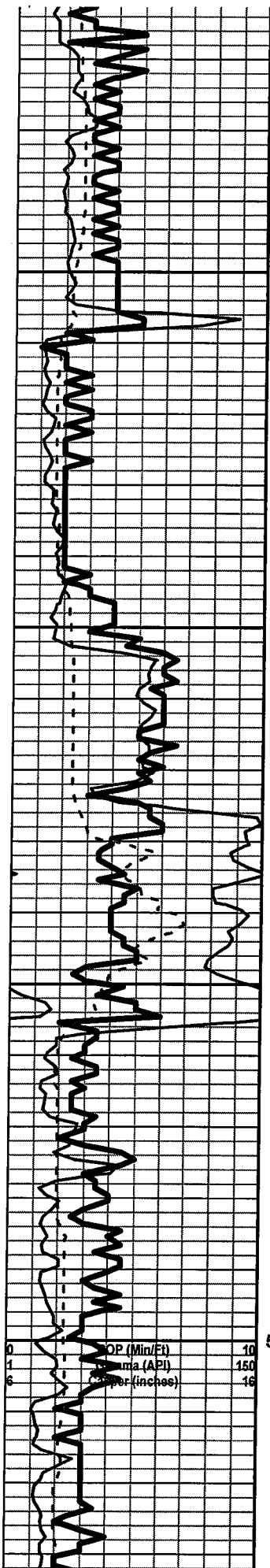
Dolomite: off white lt gray, fxln-vfxln, good rhombic development with some scattered sucrosic, fair interxn porosity, no shows noted, poor white fluorescence, with abundant Chert: bone white, becoming more weathered than above, sub-fossiliferous in part, no shows noted, no fluorescence.

Dolomite: off white lt gray, m fxln-vfxln, 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, vfxln, 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 lt gray-white.

Dolomite: as above, with Dolomite: lt gray, dense tight matrix, coarsexln, 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, vfxln-microxln in few pieces, overall poor xln development with some scattered sub-rhombic, slightly pyritic, poor interxln porosity, no shows noted, no fluorescence, with increase in Chalk, sample washes white.

Dolomite: It brown tan cream, dense, vfxln, overall poor xln development with some scattered sub-rhombic, slightly pyritic, poor interxln porosity, no shows noted, no fluorescence, with Dolomite: It cream tan, very chalky matrix, vfxln-fxln in few pieces, sub-rhombic development, poor interxln 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 ft brown, fxln, good sucrosic development, mostly friable, fair interxln/sucrosic porosity, no shows noted, no fluorescence, with Dolomite: It cream It gray, dense, vfxln-microxln, very poor xln development, heavily arenaceous, poor interxln porosity, no shows noted, little-no fluorescence, Chert: bone white, fesh and sharp, opaque, barren, no shows noted, and some scattered Chalk in sample.

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

Dolomite: gray It gray, vfxln-fxln, good sucrosic development, slightly arenaceous in part, fair interxln/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, vfxln-microxln, fair-poor sucrosic development, poor interxln porosity, no shows noted, no fluorescence, with continued Chert as above, no shows noted, no fluorescence.

Dolomite: brown tan dk gray, mottled, dense, vfxln-fxln, 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 It cream, vfxln-microxln, poor xln development with some scattered sub-sucrosic, overall poor visible porosity, no shows noted, even bright pale yellow-green fluorescence.

Dolomite: It gray It cream, vfxln-fxln, 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 It gray, fresh and sharp, oolitic, no shows noted, and scattered Pyrite nodules in sample.

Dolomite: It gray tan, vfxln-fxln, fair sucrosic development, scattered vugs, slightly arenaceous, some 2ndary xln along edges and in porosity, fair sucrosic/vuggy porosity in most pieces, 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 It cream, fxln, sub-rhombic to fair rhombic development, trace small vugs, oolitic, trace oomoldic, arenaceous in part, some 2ndary xln 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, fxln-coarsexln, 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.

Dolomite: It cream off white coarsexln good rhombic development chalky in part some 2ndary xln

Andy's Mud Ck
@ 5100'
1430 hrs 10.22.10
Vis 60 Wt 9.4
PV 24 YP 16
WL 10.8
Cake 2/32
pH 8.5
Chi 4,000 ppm
Cal 40
Sol 7.6
LCM: 5 #/bbl
DMC: \$2,618.00
CMC: \$13,030.25

Gasket
Repairs
on Pump

FG, C1-C5 200

