



KANSAS CORPORATION COMMISSION 1051665
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 # _____

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: _____



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
<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 <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 Bbbs.	Gas Mcf	Water Bbbs.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	DAMME 44
Doc ID	1051665

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction Log
Micoresistivity Log
Sonic Cement Log

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	DAMME 44
Doc ID	1051665

Tops

Name	Top	Datum
Heebner	3798	-898
Lsnsing	3842	-942
Base KC	4316	-1416
Marmaton	4340	-1440
Pawnee	4416	-1516
Fort Scott	4449	-1549
Cherokee	4465	-1565
Miss	4738	-1839
St Louis	4756	-1856

ALLIED CEMENTING CO., LLC. 038689

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE <u>2-5-11</u>	SEC. <u>28</u>	TWP. <u>22</u>	RANGE <u>23 W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>Damme</u>		WELL# <u>44</u>		LOCATION <u>Garden City KS 7 North</u>		COUNTY <u>Finney</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>3 west 1/2 North west 1-20</u>			

CONTRACTOR H-2 Rig 1 OWNER Hartman oil company

TYPE OF JOB <u>Surface</u>	
HOLE SIZE	T.D. <u>1683</u>
CASING SIZE <u>2 7/8</u>	DEPTH <u>1686</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>45.16</u>
CEMENT LEFT IN CSG. <u>45.16</u>	
PERFS.	
DISPLACEMENT <u>104.46 BBLs</u>	
EQUIPMENT	

CEMENT		
AMOUNT ORDERED	<u>550x 65% 35 6% 6c1</u>	
	<u>3% cc 3/4 # flaseal Per-5x</u>	
	<u>150x class 3% cc + 1/4 # flaseal Per-5x</u>	
COMMON	<u>150</u>	@ <u>15.45</u> <u>2317.50</u>
POZMIX		@
GEL		@
CHLORIDE	<u>2.3</u>	@ <u>58.20</u> <u>133.86</u>
ASC		@
ALW	<u>550</u>	@ <u>14.80</u> <u>8140.00</u>
FLO-SEAL	<u>450 #</u>	@ <u>2.50</u> <u>1125.00</u>
		@
		@
		@
		@
HANDLING	<u>700</u>	@ <u>2.40</u> <u>1680.00</u>
MILEAGE	<u>700 x 70</u>	@ <u>.10</u> <u>4900.00</u>
		TOTAL <u>19,501.1</u>

PUMP TRUCK	CEMENTER <u>Wayne</u>
# <u>366</u>	HELPER <u>Bill</u>
BULK TRUCK	
# <u>457</u>	DRIVER <u>Pedro</u>
BULK TRUCK	
# <u>470</u>	DRIVER <u>Jose</u>

REMARKS:

Pipe on Bottom Drop Ball
Circulate with Rig mud
Shut Down Hook up To cement
line Mix 550x 65/35 + 6% gel
+ 3% cc + 3/4 # flaseal Top stage
150x class A 3% cc + 1/4 # flaseal
Per-5x Shut Down Release Plus
Displace 104.50 BBLs land plus at
1300 PSI

CHARGE TO: Hartman oil Company
STREET _____
CITY _____ STATE _____ ZIP _____

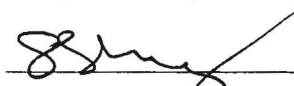
SERVICE

DEPTH OF JOB	<u>1686'</u>	
PUMP TRUCK CHARGE		<u>2011.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>70</u>	@ <u>7.00</u> <u>490.00</u>
MANIFOLD	@	
	@	
	@	
		TOTAL <u>2501.00</u>

PLUG & FLOAT EQUIPMENT

<u>2 Cent-ize-5</u>	@ <u>49.00</u>	<u>98.00</u>
<u>2 Baskett</u>	@ <u>221.00</u>	<u>442.00</u>
<u>1 Inseut</u>	@ <u>158.00</u>	<u>158.00</u>
<u>1 Rubber plug</u>	@ <u>74.00</u>	<u>74.00</u>
	@	
		TOTAL <u>772.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME James Shultz
SIGNATURE 

SALES TAX (If Any) _____
TOTAL CHARGES 22,774.10
DISCOUNT 100% IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 040999

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE <u>2-13-11</u>	SEC. <u>28</u>	TWP. <u>22</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>Damme</u>	WELL # <u>44</u>	LOCATION <u>Garden city 9N2W</u>	COUNTY <u>Finney</u>	STATE <u>Ks</u>			
OLD OR NEW (Circle one) <u>NEW</u>			<u>1.5 100 Kts wts into</u>				

CONTRACTOR <u>H2 Drilling Rig</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4875'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4893'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>2130'</u>
CEMENT LEFT IN CSG. <u>2130'</u>	
PERFS.	
DISPLACEMENT <u>115.94</u>	

EQUIPMENT

PUMP TRUCK # <u>423-281</u>	CEMENTER <u>Andrew</u>
	HELPER <u>Larene</u>
BULK TRUCK # <u>386</u>	DRIVER <u>Jerry</u>
BULK TRUCK #	DRIVER

CEMENT	AMOUNT ORDERED <u>175 sks Lite 4#</u>	
	<u>5# Gilsonite</u>	
	<u>175 sks com 10% salt 20 gel</u>	
COMMON	<u>175 sks</u>	@ <u>15.45</u> <u>2703.75</u>
POZMIX		@
GEL	<u>3 sks</u>	@ <u>20.80</u> <u>62.40</u>
CHLORIDE		@
ASC		@
	<u>LITE 175 sks</u>	@ <u>14.05</u> <u>2458.75</u>
	<u>Gilsonite 85#</u>	@ <u>.89</u> <u>778.75</u>
	<u>salt 17 sks</u>	@ <u>23.95</u> <u>403.58</u>
		@
HANDLING	<u>387 sks</u>	@ <u>2.40</u> <u>928.80</u>
MILEAGE	<u>70/387/10</u>	<u>2709.00</u>
		TOTAL <u>9845.03</u>

REMARKS:

Pump 5 BBL water mix 125 sks
LITE followed by 175 sks com down
5 1/2 casing wash pump and lines
clean, start Displacement,
1000* LIFT pressure Land plug
at 1500* float held

Thank you

CHARGE TO: Hartman oil
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

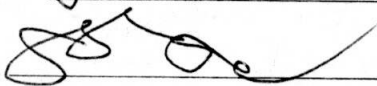
DEPTH OF JOB <u>4893'</u>	
PUMP TRUCK CHARGE	<u>2185.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>70 miles</u>	@ <u>7.00</u> <u>490.00</u>
MANIFOLD	@
	@
	@
	TOTAL <u>26.75</u>

PLUG & FLOAT EQUIPMENT

<u>5/2</u>	
<u>1 AP4 float shoe</u>	@ <u>214.00</u>
<u>1 Latch down plug Assy</u>	@ <u>164.00</u>
<u>w/ 1 Basket</u>	@ <u>161.00</u>
<u>10 Centralizers</u>	@ <u>35.00</u> <u>350.00</u>
	@
	TOTAL <u>889.00</u>

To Allied Cementing Co., LLC.
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SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME JAMES SHULTZ
SIGNATURE 



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil**

10500 E. Berkeley Sq. Pkwy.
Suite 100
Wichita, KS 67206

ATTN: Steve Murphy

28-22s-23w Finney,KS

Damme #44

Start Date: 2011.02.11 @ 01:02:00

End Date: 2011.02.11 @ 09:10:00

Job Ticket #: 040646 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hartman Oil
10500 E. Berkeley Sq. Pkw y.
Suite 100
Wichita, KS 67206
ATTN: Steve Murphy

Damme #44
28-22s-23w Finney,KS
Job Ticket: 040646 **DST#: 1**
Test Start: 2011.02.11 @ 01:02:00

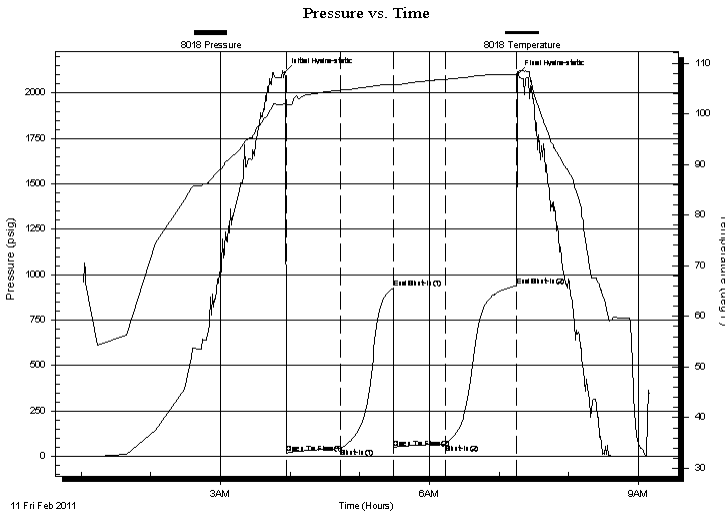
GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:57:00
Time Test Ended: 09:10:00
Interval: **4354.00 ft (KB) To 4383.00 ft (KB) (TVD)**
Total Depth: 4383.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37
Reference Elevations: 2900.00 ft (KB)
2890.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8018 Inside
Press @ Run Depth: 69.17 psig @ 4358.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.02.11 End Date: 2011.02.11 Last Calib.: 2011.02.11
Start Time: 01:02:05 End Time: 09:09:59 Time On Btm: 2011.02.11 @ 03:55:20
Time Off Btm: 2011.02.11 @ 07:15:50

TEST COMMENT: IF: 6" Blow.
IS: No return.
FF: B.O.B. @ 40 min.
FS: Surface return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.17	101.95	Initial Hydro-static
2	17.95	101.28	Open To Flow (1)
49	44.16	104.63	Shut-In(1)
94	926.77	105.77	End Shut-In(1)
94	47.85	105.54	Open To Flow (2)
139	69.17	106.79	Shut-In(2)
200	940.30	107.81	End Shut-In(2)
201	2102.40	108.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GOCM 5g 35o 60m	0.22
90.00	GOCM 20g 30o 50m	0.44
0.00	600 Feet GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil
10500 E. Berkeley Sq. Pkw y.
Suite 100
Wichita, KS 67206
ATTN: Steve Murphy

Damme #44
28-22s-23w Finney,KS
Job Ticket: 040646 **DST#: 1**
Test Start: 2011.02.11 @ 01:02:00

Tool Information

Drill Pipe:	Length: 3705.00 ft	Diameter: 3.80 inches	Volume: 51.97 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 105000.0 lb
		Total Volume: 55.17 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.50 ft			String Weight: Initial 95000.00 lb
Depth to Top Packer:	4354.00 ft			Final 96000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4327.50	
Shut In Tool	5.00			4332.50	
Hydraulic tool	5.00			4337.50	
Jars	5.00			4342.50	
Safety Joint	2.50			4345.00	
Packer	5.00			4350.00	27.50 Bottom Of Top Packer
Packer	4.00			4354.00	
Stubb	1.00			4355.00	
Perforations	3.00			4358.00	
Recorder	0.00	8018	Inside	4358.00	
Recorder	0.00	6751	Outside	4358.00	
Perforations	22.00			4380.00	
Bullnose	3.00			4383.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil
10500 E. Berkeley Sq. Pkw y.
Suite 100
Wichita, KS 67206
ATTN: Steve Murphy

Damme #44
28-22s-23w Finney,KS
Job Ticket: 040646 **DST#: 1**
Test Start: 2011.02.11 @ 01:02:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

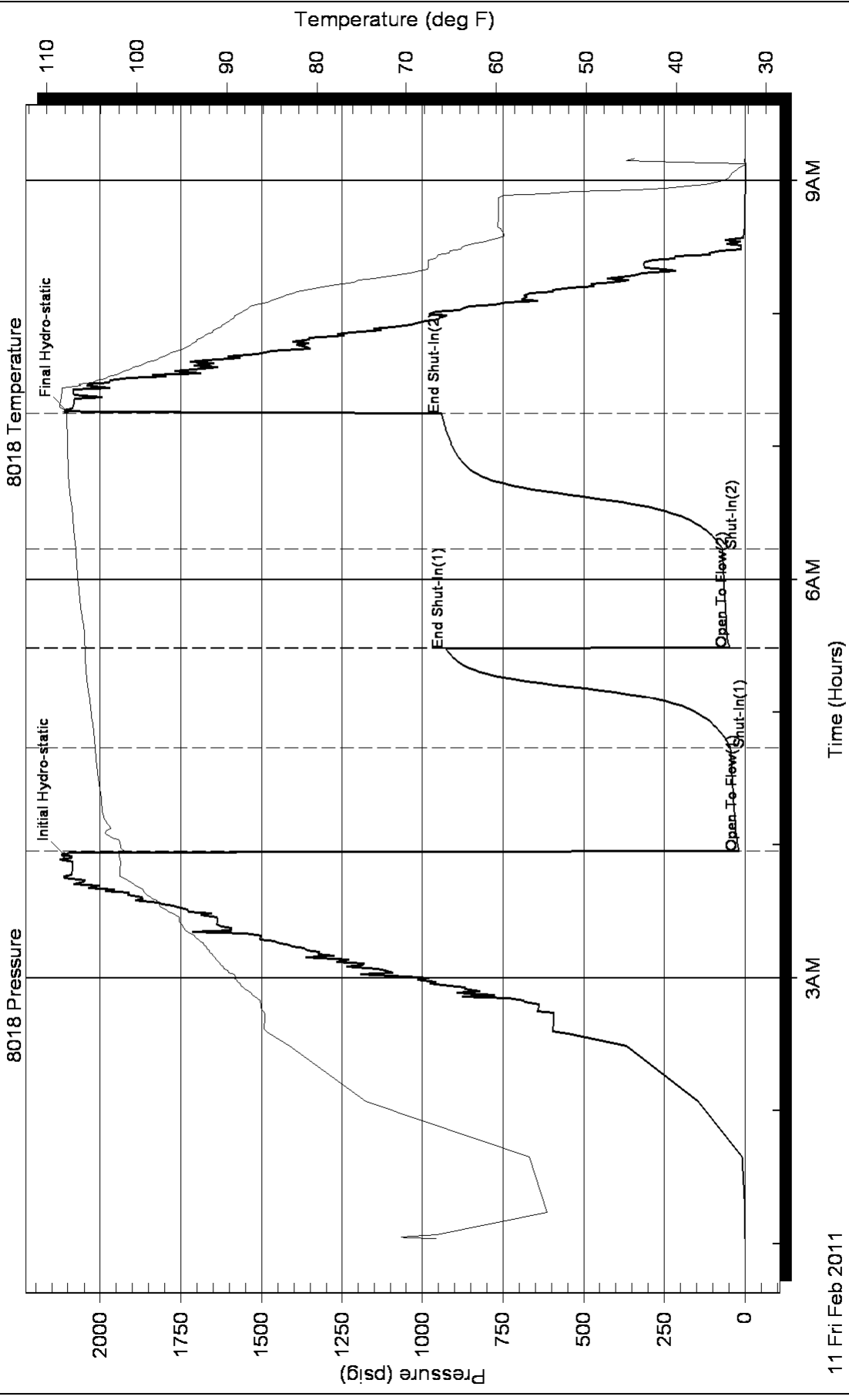
Recovery Information

Recovery Table

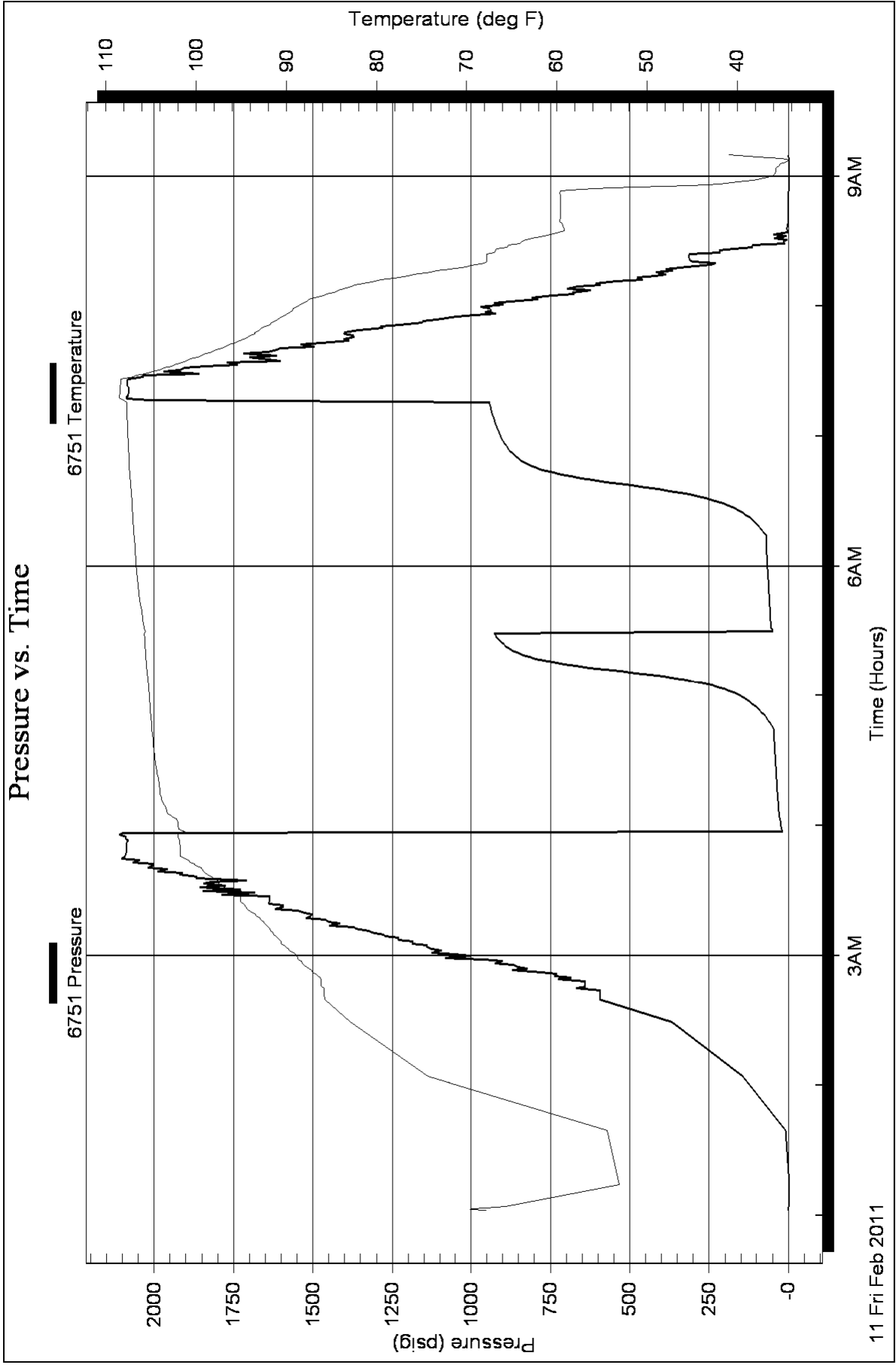
Length ft	Description	Volume bbl
45.00	GOCM 5g 35o 60m	0.221
90.00	GOCM 20g 30o 50m	0.443
0.00	600 Feet GIP	0.000

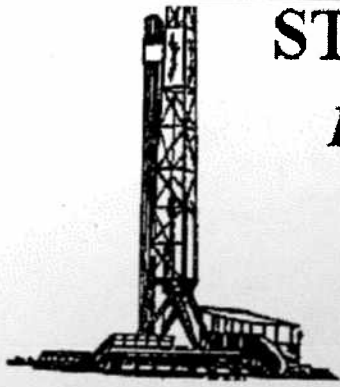
Total Length: 135.00 ft Total Volume: 0.664 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



11 Fri Feb 2011





STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030
Fax 785.387.2400

RR#1, Box 69
Otis, Kansas 67565
geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Damme #44
Location: Finney County
License Number: API No. 15-055-22091-00-00
Spud Date: 2/1/11
Surface Coordinates: 2640' FNL & 1020' FEL (Approx W/2 W/2 E/2 E/2)
Section 28 - T22S - R33W
Bottom Hole Coordinates: Same as above (Vertical well w/minimal deviation)
Ground Elevation (ft): 2890' K.B. Elevation (ft): 2900'
Logged Interval (ft): 3600' To: 4875' Total Depth (ft): RTD-4875 LTD-4877'
Formation: Pennsylvanian to Mississippian
Type of Drilling Fluid: Chemical/Polymer/Gel (Mudco - Tony Maestas, Mud Engineer)

Region: Kansas

Drilling Completed: 2/14/11

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Hartman Oil Co., Inc.
Address: 10500 E. Berkely Sq. Parkway
Wichita, KS 67206

GEOLOGIST

Name: Steven P. Murphy, PG
Company: Consulting Petroleum Geologist
Address: 3365 County Rd 390
Otis, KS 67565
Cell: 620-639-3030

REMARKS

Log-Tech Hays,KS shop) performed the open-hole wireline logging with Compensated Neutron/Density (CNCDL), Dual Induction (DIL), & Microlog (MEL) logs. The following are formation log tops with associated datums (in parentheses) referenced to sea level:

Heebner - 3798 (-898)
Lansing - 3842 (-942)
Base KC - 4316 (-1416)
Marmaton - 4340 (-1440)
Myrick Station - 4384 (-1484)
Pawnee - 4416 (-1516)
Fort Scott - 4449 (-1549)
Cherokee - 4465 (-1565)
Morrow Shale - 4650 (-1750)
Mississippian - 4738 (-1839)

OPERATOR

Company: Hartman Oil Co., Inc.
Address: 10500 E. Berkely Sq. Parkway
Wichita, KS 67206

GEOLOGIST

Name: Steven P. Murphy, PG
Company: Consulting Petroleum Geologist
Address: 3365 County Rd 390
Otis, KS 67565
Cell: 620-639-3030

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Heebner - 3798 (-898)
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Base KC - 4316 (-1416)
Marmaton - 4340 (-1440)
Myrick Station - 4384 (-1484)
Pawnee - 4416 (-1516)
Fort Scott - 4449 (-1549)
Cherokee - 4465 (-1565)
Morrow Shale - 4650 (-1750)
Mississippian - 4738 (-1839)
St. Louis "C" - 4756 (-1856)

COMMENTS

H2 Drilling - Rig #1 (Toolpusher James Schultz)
moved onto location, rigged up and spudded on 2/1/2011.

8-5/8" surface casing was set @ 1683'.
5-1/2" production casing was set 1' off bottom.

Deviation surveys were taken by wireline at the following depths:

1037' - 1 deg
1683' - 1 deg
2637' - 3/4 deg
4333' - 1/2 deg

Pipe was strapped @ 4383' (DST #1). The strap was 1.56' long to the board. No corrections were made to the geolograph and/or the mudlog. Subsequent logging indicated a difference of 2' long to the RTD of 4875'.

Based on the results of DST #1, and sample & log analysis, the operator elected to set 5-1/2" casing to further test the Marmaton and Myrick Station, Pawnee, and St. Louis "C".

The recommended perforation intervals include the following zones:

St. Louis "C": 4762-4769
Pawnee: 4417-4722
Myrick Station: 4386-4392
Marmaton: 4372-4376

Dry samples were collected and delivered to the Hartman Oil Co. Garden City production facility.

COMMENTS

H2 Drilling - Rig #1 (Toolpusher James Schultz)
 moved onto location, rigged up and spudded on 2/1/2011.

8-5/8" surface casing was set @ 1683'.
 5-1/2" production casing was set 1' off bottom.

Deviation surveys were taken by wireline at the following depths:

- 1037' - 1 deg
- 1683' - 1 deg
- 2637' - 3/4 deg
- 4333' - 1/2 deg

Pipe was strapped @ 4383' (DST #1). The strap was 1.56' long to the board. No corrections were made to the geograph and/or the mudlog. Subsequent logging indicated a difference of 2' long to the RTD of 4875'.

Based on the results of DST #1, and sample & log analysis, the operator elected to set 5-1/2" casing to further test the Marmaton and Myrick Station, Pawnee, and St. Louis "C".

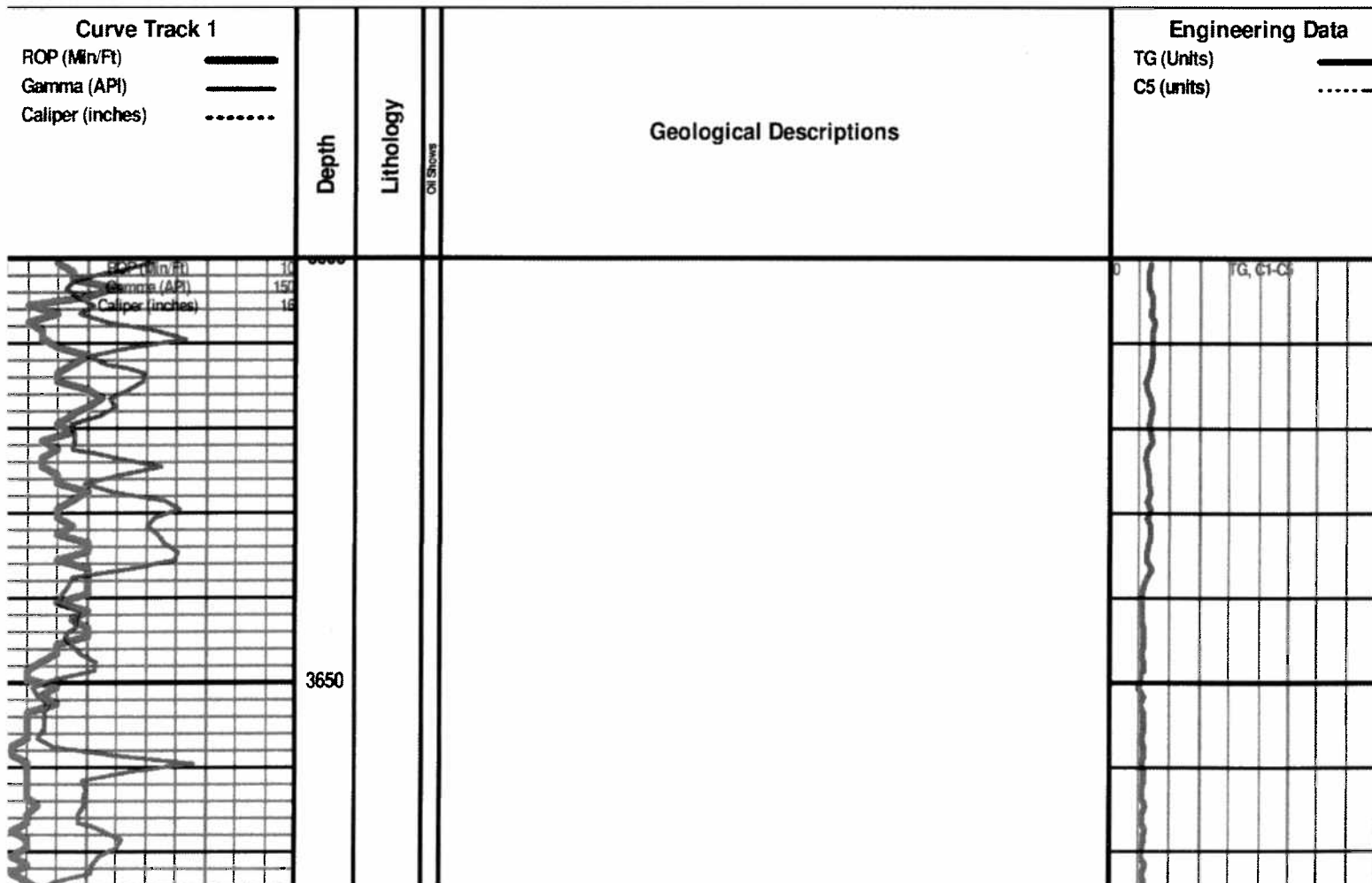
The recommended perforation intervals include the following zones:

- St. Louis "C": 4762-4769
- Pawnee: 4417-4722
- Myrick Station: 4386-4392
- Marmaton: 4372-4376




Dry samples were collected and delivered to the Hartman Oil Co. Garden City production facility.

Respectfully submitted,

Steven P. Murphy, PG
 Kansas License #228



Curve Track 1

ROP (Min/Ft) 
Gamma (API) 
Caliper (inches) 

Engineering Data

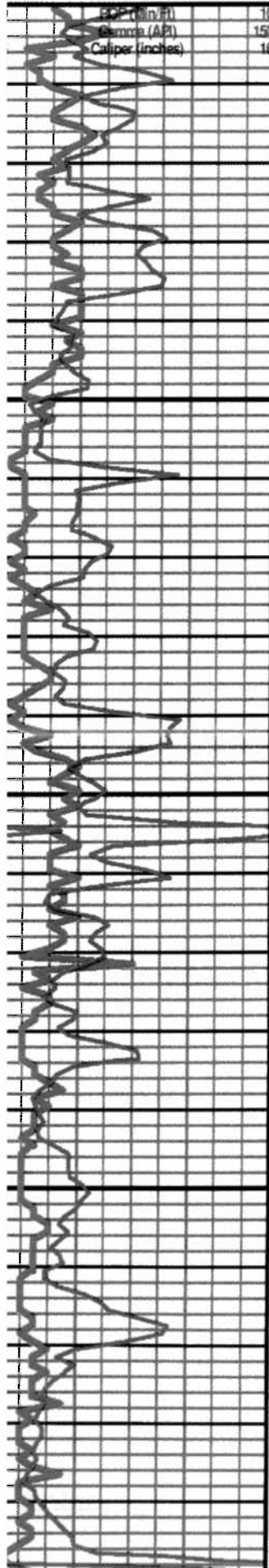
TG (Units) 
C5 (units) 

Depth

Lithology

Oil Shows

Geological Descriptions



3650

3700

3750

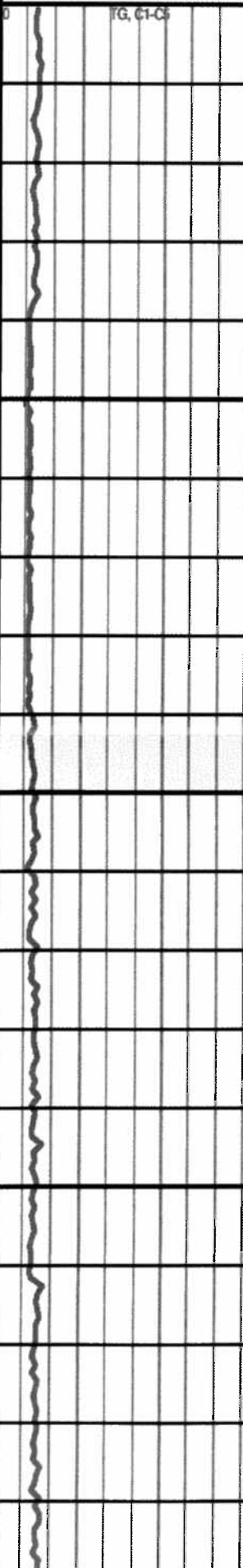


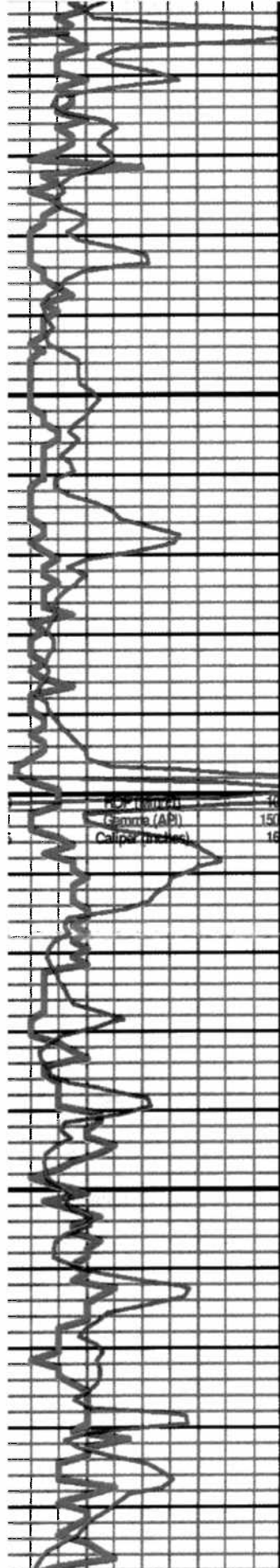
SH: gry

LS: crm-tan-brn, vfxln, dense, NS

LS: crm-tan-brn, vfxln, dense, NS

TG, C1-C5





3750

3800

3850



SH: gry

LS: crm-tan-brn, vfxln, dense, NS

LS: crm-tan-brn, vfxln, dense, NS

HEEBNER 3797 (-897)

SH: gry

LS: crm-tan, vfxln, dense, chalky, NS

LS: crm-tan, vfxln, dense, chalky, NS

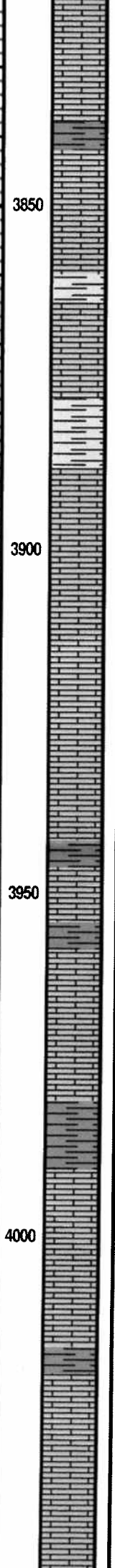
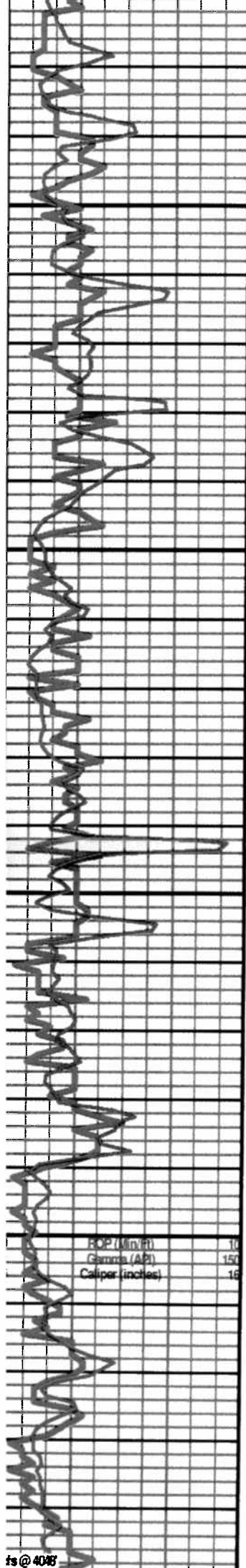
SH: gry

LANSING 3840 (-940)

LS: wh-tan, vfxln, foss, dense, sl
chalky, NS

LS: wh-tan, vfxln, foss, dense, sl
chalky, NS

SH: gry-grn-red



LS: crm-tan, vfxln, dense, chalky, NS

SH: gry
LANSING 3840 (-940)

3850
 LS: wh-tan, vfxln, foss, dense, sl chalky, NS

LS: wh-tan, vfxln, foss, dense, sl chalky, NS

SH: gry-grn-red

3900
 LS: crm-tan, fxln, dense, chalky, NS

LS: wh-tan, vfxln, dense, chalky, NS

LS: wh-tan, vfxln, dense, chalky, NS

3950
 SH: dk gry

SH: dk gry

LS: crm-tan, fxln, pr-fr inxln por, chalky, NS

SH: gry-grn

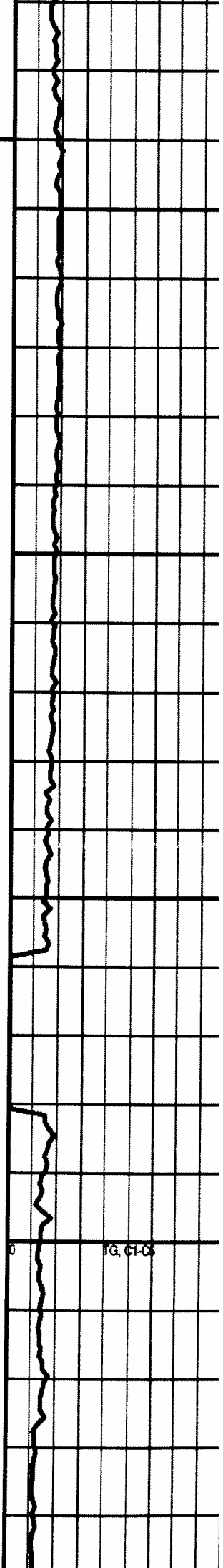
4000
 LS: tan-brn, fxln, sl foss, fr-gd inxln por, chalky, NS

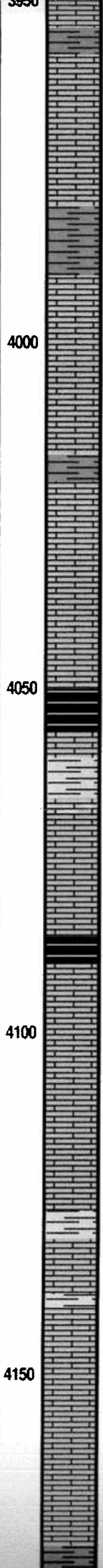
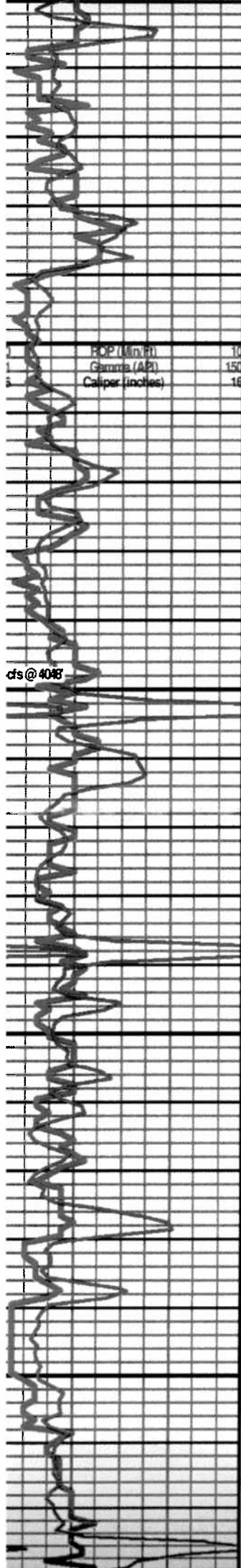
LS: tan-brn, fxln, sl foss, fr-gd inxln por, chalky, NS

SH: gry

LS: tan-lt brn, sl foss, chalky, dense, NS

LS: tan-lt brn, sl foss, chalky, dense, cherty, NS





SH: dk gry

LS: crm-tan, fxln, pr-fr inxln por, chalky, NS

SH: gry-grn

LS: tan-brn, fxln, sl foss, fr-gd inxln por, chalky, NS

LS: tan-brn, fxln, sl foss, fr-gd inxln por, chalky, NS

SH: gry

LS: tan-lt brn, sl foss, chalky, dense, NS

LS: tan-lt brn, sl foss, chalky, dense, cherty, NS

SH: blk-gry

SH: dk gry-grn-brn

LS: crm-tan, vfxln, sl chalky, dense, cherty, NS

SH: blk-dk gry

LS: crm-tan, fxln, mostly dense, rare fr inxln/ppt por, ool in pt, NS

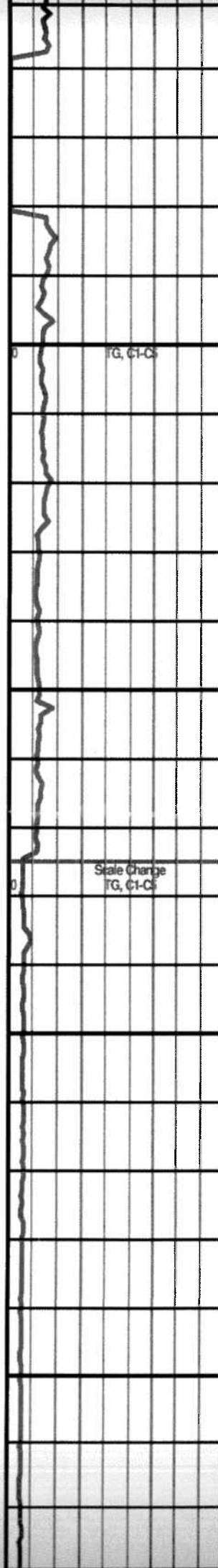
LS: wh-tan, vfxln, dense, sl chalky, sl foss, NS

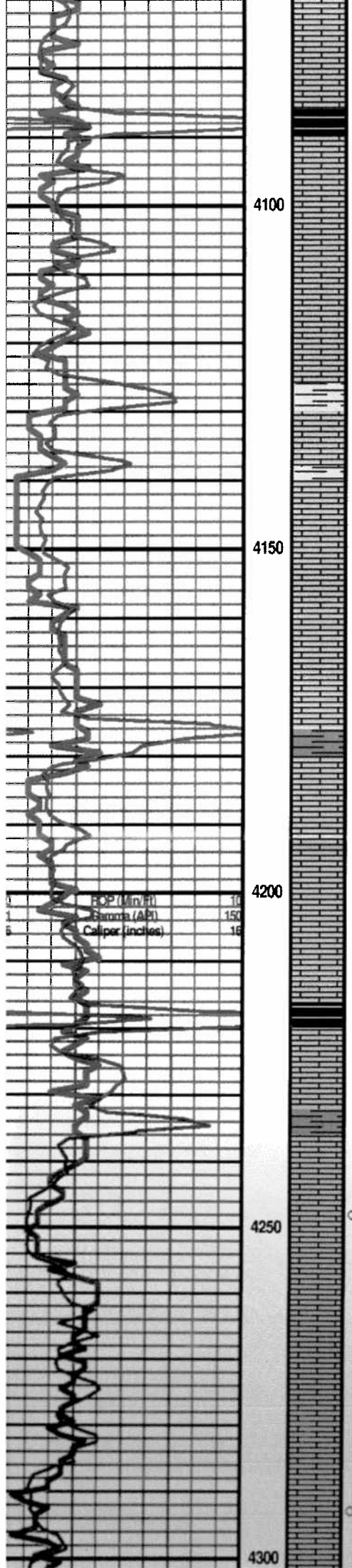
SH: gry-brn-grn

LS: crm-tan, fxln, oolic, fr-gd oomoldic por, chalky, NS

LS: crm-tan, fxln, oolic, pr-fr oomoldic por, chalky, NS

SH: dk gry-blk-brn





LS: crm-tan, vfxln, sl chalky, dense, cherty, NS

SH: blk-dk gry

4100 LS: crm-tan, fxlIn, mostly dense, rare fr inxln/ppt por, ool in pt, NS

LS: wh-tan, vfxln, dense, sl chalky, sl foss, NS

SH: gry-brn-grn

4150 LS: crm-tan, fxlIn, oolic, fr-gd oomoldic por, chalky, NS

LS: crm-tan, fxlIn, oolic, pr-fr oomoldic por, chalky, NS

SH: dk gry-blk-brn

LS: wh-tan-gry, fxlIn, oolic, fr oomoldic por, sl chalky, NS

4200 LS: wh-tan-gry, fxlIn, oolic, fr oomoldic por, sl chalky, NS

SH: blk-gry

LS: tan-gry, vfxln, dense, NS

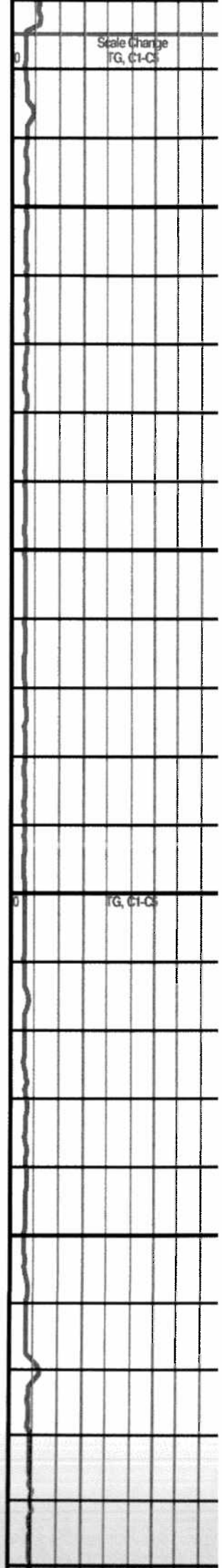
SH: gry

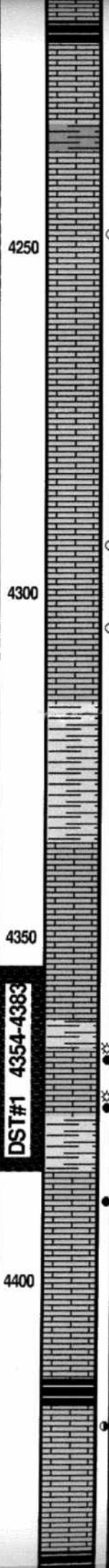
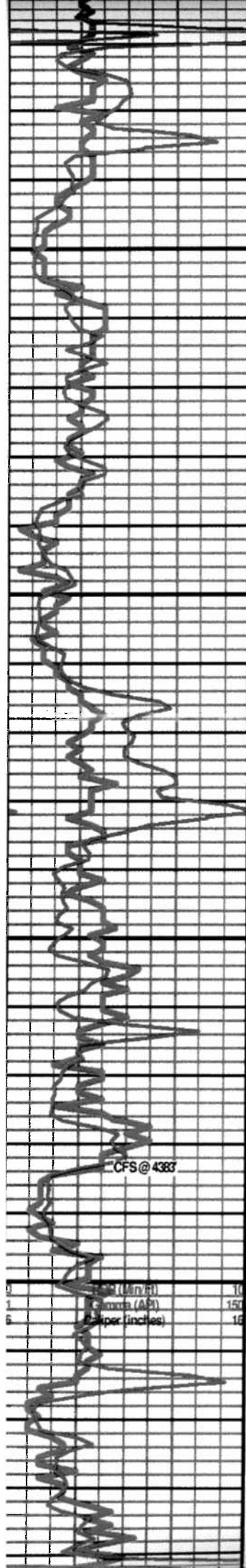
4250 LS: wh-gry, fxlIn, oolic, fr-gd oomoldic por, nsfo, minor str, no odor

LS: crm-gry, vfxln, dense, sl chalky, abund chert, NS

LS: crm-gry, vfxln, dense, sl chalky, abund chert, NS

LS: crm-gry, fxlIn, sl chalky, pr-fr inxln por, vssfo, minor str, sl odor





SH: blk-gry

LS: tan-gry, vfxln, dense, NS

SH: gry

LS: wh-gry, fxl, oolic, fr-gd oomoldic por, nsfo, minor str, no odor

LS: crm-gry, vfxln, dense, sl chalky, abund chert, NS

LS: crm-gry, vfxln, dense, sl chalky, abund chert, NS

LS: crm-gry, fxl, sl chalky, pr-fr inxln por, vssfo, minor str, sl odor

LS: crm-gry, fxl, sl chalky, pr-fr inxln por, vssfo, minor str, sl odor

BKC 4320 (-1420)

SH: gry-blk-brn-red

MARMATON 4343 (-1443)

LS: tan-gry, vfxln, dense, NS

LS: wh-gry, fxl, foss, gd vug & interfoss por, gsfo (gsy on brk), gd even str, gd odor

LS: wh-gry, fxl, foss, gd vug & interfoss por, gsfo (gsy on brk), gd even str, gd odor

LS: wh-crm, f-mxl, oolic., gd ppt/vug por, fsfo, minor str, sl odor

LS: crm-tan-gry, vfxln, dense, NS

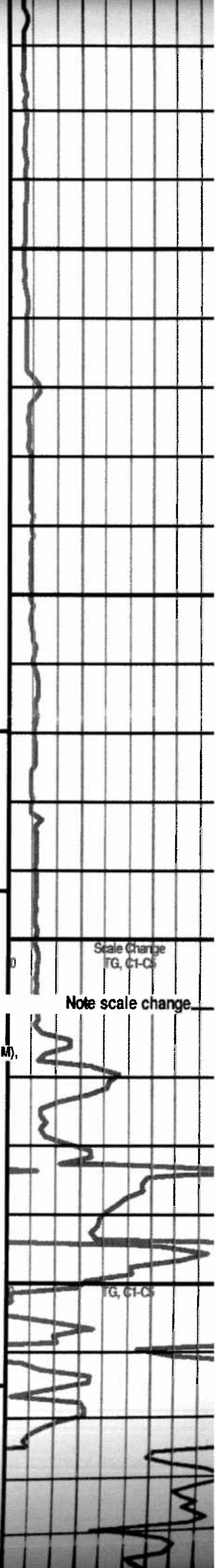
Pawnee 4415 (-1515)

LS: wh-crm-tan, fxl, fr inxln por, tr fo, sl str, sl odor

LS: crm-tan-gry, vfxln, cherty, dense, NS

SH: blk, carb

DST #1 (Marmaton) 4354-4383
 45:45:45:60
 IF: Built to 6", no return
 FF: BOB in 40 min, surface return
 Recovery: 80' GIP, 45' GOCM (5% G, 35% O, 60% M),
 90' GOCM (20% G, 30% O, 50% M)
 IHP: 2110 FHP: 2102
 IFP: 18-44
 ISIP: 927
 FFP: 48-68
 FSIP: 940
 BHT: 108 deg F



Scale Change
 IG, C1-C5

Note scale change

IG, C1-C5

St. Scott 4447 (-1547)

SH: gry-blk-brn-red

MARMATON 4343 (-1443)

LS: tan-gry, vfxln, dense, NS

LS: wh-gry, fxlIn, foss, gd vug & interfoss por, gsfo (gsy on brk), gd even str, gd odor

LS: wh-gry, fxlIn, foss, gd vug & interfoss por, gsfo (gsy on brk), gd even str, gd odor

LS: wh-crm, f-mxlIn, oolic., gd ppt/vug por, fsfo, minor str, sl odor

LS: crm-tan-gry, vfxln, dense, NS

Pawnee 4415 (-1515)

LS: wh-crm-tan, fxlIn, fr inxln por, tr fo, sl str, sl odor

LS: crm-tan-gry, vfxln, cherty, dense, NS

SH: blk, carb

Ft. Scott 4447 (-1547)

LS: crm-tan-gry, vfxln, oolitic in pt, sl foss & chalky, dense NS

SH: blk, carb

Cherokee 4468 (-1568)

LS: crm-brn, fxlIn, oolic, mostly v. dense w/chert, rare ssfo w/fr inxln/vug por, vssfo, minor str, sl odor

LS: tan-brn as above

LS: crm-tan-gry, vfxln, dense, sl chalky, shaley

LS: tan-gry, vfxln, dense, sl mottled

LS: tan-gry, vfxln, dense, sl mottled

LS: crm-brn, vfxln, dense

DST #1 (Marmaton) 4354-4383
45:45:45:60
IF: Built to 6", no return
FF: BOB in 40 min, surface return
Recovery: 60% GP, 45% GOCM (5% G, 35% O, 60% M),
90% GOCM (20% G, 30% O, 50% M)
IHP: 2110 FHP: 2102
IFP: 18-44
ISIP: 927
FFP: 48-69
PSP: 940
BHT: 108 deg F

Scale Change
TG, G1-C5

Note scale change

TG, G1-C5

Note scale change

4350

4400

4450

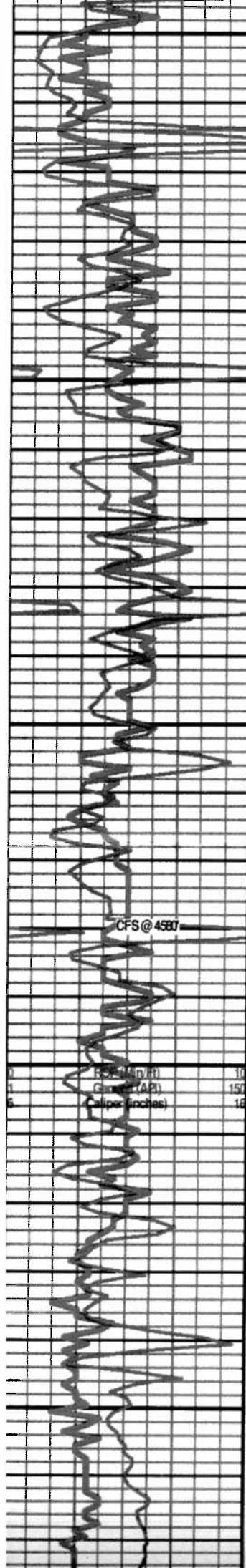
4500

4550

DST#1 4354-4383

CFS@4383

Flow (Min/ft) 10
Gamma (API) 150
Porosity (Inches) 15



Ft. Scott 4447 (-1547)

LS: crm-tan-gry, vfxln, oolitic in pt, sl foss & chalky, dense NS

SH: blk, carb

Cherokee 4468 (-1568)

LS: crm-brn, fxlIn, oolic, mostly v. dense w/chert, rare ssfo w/fr inxln/vug por, vssfo, minor stn, sl odor

LS: tan-brn as above

LS: crm-tan-gry, vfxln, dense, sl chalky, shaley

LS: tan-gry, vfxln, dense, sl mottled

LS: tan-gry, vfxln, dense, sl mottled

LS: crm-brn, vfxln, dense

LS: crm-brn, vfxln, dense

SH: blk-brn

LS: tan-brn, vfxln, dense, abund cht

LS: tan-brn, vfxln, dense, abund cht

LS: tan-gry, vfxln, chalky, dense, abund cht

LS: crm-tan-brn, vfxln, sl chalky, dense, abund cht

LS: crm-tan-brn, vfxln, sl chalky, dense, abund cht

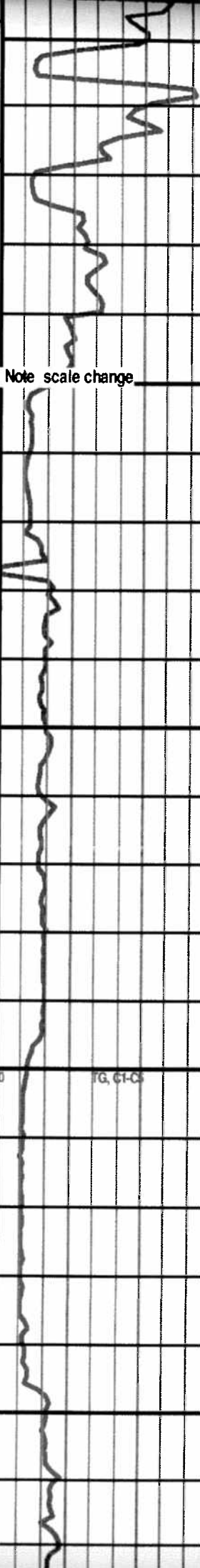
Cht: blk, vitr, sharp

SH: gry-blk-grn, blocky

Morrow Shale 4650 (-1750)

SH: blk-gry-grn

SH: blk-gry-grn

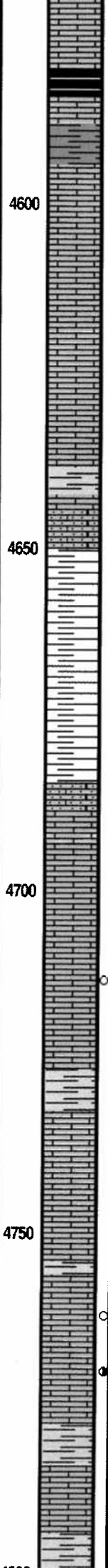
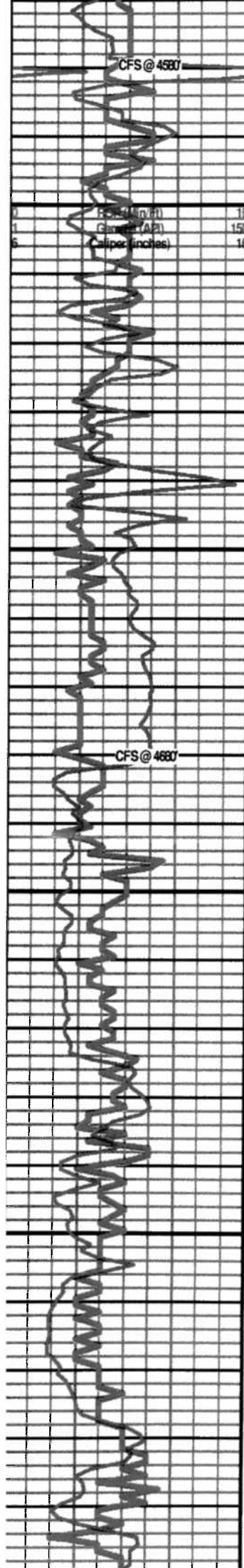


Note scale change

CFS @ 4587

10
5
5
10
15
16
Box (inches)
Gauge (A/B)
Caliper (inches)

FG, C1-C5



LS: tan-brn, vfxln, dense, abund cht

LS: tan-brn, vfxln, dense, abund cht

LS: tan-gry, vfxln, chalky, dense, abund cht

LS: crm-tan-brn, vfxln, sl chalky, dense, abund cht

LS: crm-tan-brn, vfxln, sl chalky, dense, abund cht

Cht: blk, vitr, sharp

SH: gry-blk-grn, blocky

Morrow Shale 4650 (-1750)

SH: blk-gry-grn

SH: blk-gry-grn

LS: wh-crm, vfxln, dense, abund lignite (wash blk), sl sandy/shaley

LS: wh-tan, vfxln, chalky, dense, NS

LS: crm-tan, fxin, oolitic, mostly dense, rare fair inxln por, vssfo on break, rare stn, no odor

LS: crm-gry, crp-xln, v. dense, no vis por, NS

SH: gry

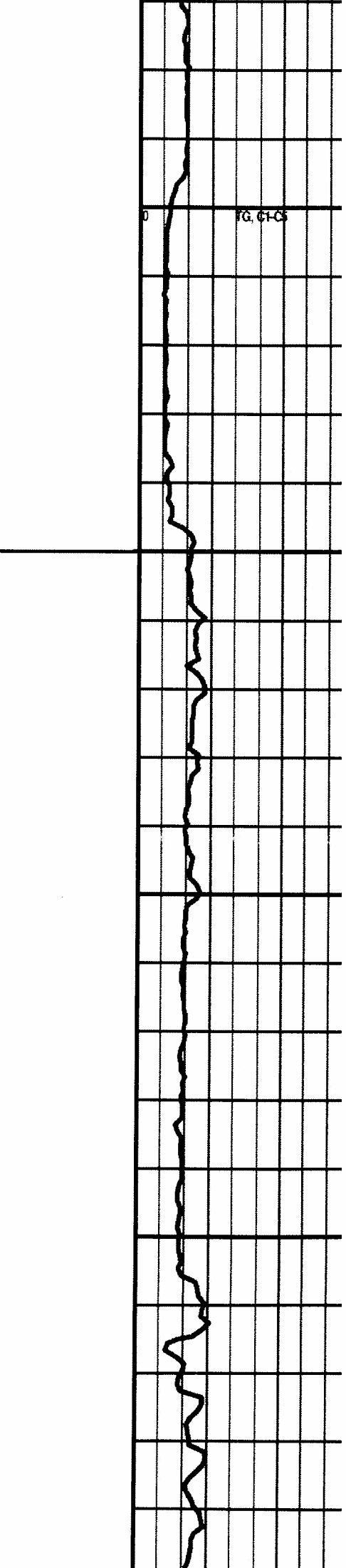
LS: crm-tan, vfxln, dense, sl chalky, minor cht, NS

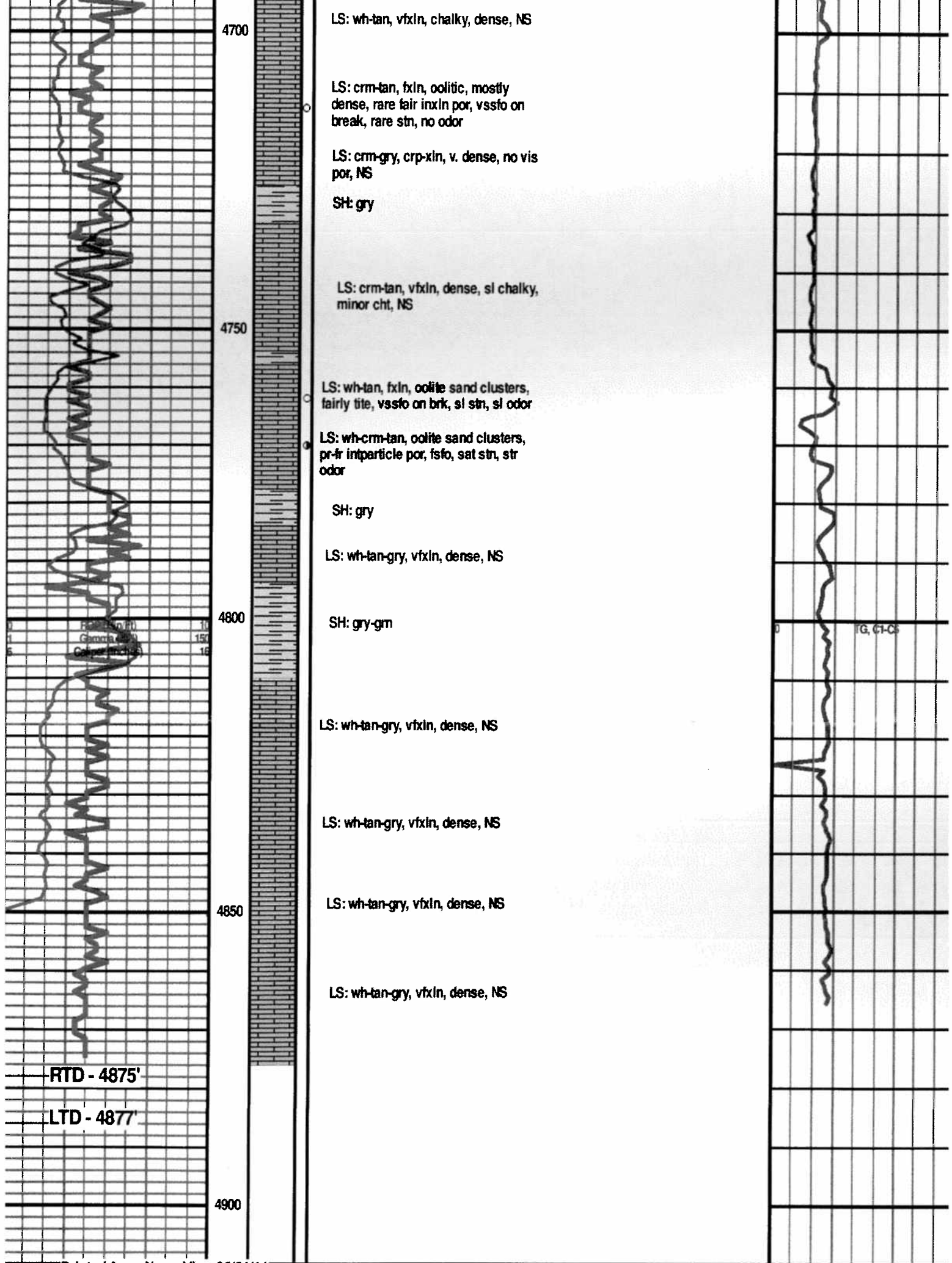
LS: wh-tan, fxin, oolite sand clusters, fairly tile, vssfo on brk, sl stn, sl odor

LS: wh-crm-tan, oolite sand clusters, pr-fr intparticle por, tsfo, sat stn, str odor

SH: gry

LS: wh-tan-gry, vfxln, dense, NS





Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



phone: 316-337-6200
fax: 316-337-6211
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 10, 2011

Catherine H Stucky
Hartman Oil Co., Inc.
10500 E BERKELEY SQ PKWY STE 100
WICHITA, KS 67206

Re: ACO1
API 15-055-22091-00-00
DAMME 44
E/2 Sec.28-22S-33W
Finney County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Catherine H Stucky