



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1086103

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: _____



1086103

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

CASING RECORD ☐ New ☐ 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 <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. <i>(Submit ACO-5)</i> ☐ Commingled <i>(Submit ACO-4)</i> ☐ Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Hembree, Robert F
Well Name	Schwartzkopf 'K' 1
Doc ID	1086103

Tops

Name	Top	Datum
T/Anhydrite	1585	+735
B/Anhydrite	1610	+710
Topeka	3377	-1057
Heebner	3699	-1379
Toronto	3720	-1400
Lansing	3741	-1421
B/KC	4052	-1732
Marmaton	4082	-1762
Pawnee	4159	-1839
Ft. Scott	4236	-1916
Mississippian	4331	-2011
RTD	4343	-2023



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 131098
Invoice Date: May 4, 2012
Page: 1

**Bill To:**

Robert F. Hembree
P O Box 542
Ness City, KS 67560

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Hem	Swartzkopf K-1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	May 4, 2012	6/3/12

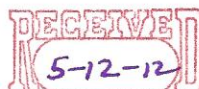
Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	16.25	2,437.50
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
162.90	SER	Handling	2.10	342.09
37.00	SER	Ton Miles	2.35	86.95
1.00	SER	Surface	1,125.00	1,125.00
5.00	SER	Heavy Vehicle Mileage	7.00	35.00
5.00	SER	Light Vehicle Mileage	4.00	20.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	EQUIP OPER	Kevin Eddy		
1.00	EQUIP OPER	Joel Monahan		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ **880.25**

ONLY IF PAID ON OR BEFORE
May 29, 2012

Subtotal	4,401.29
Sales Tax	175.91
Total Invoice Amount	4,577.20
Payment/Credit Applied	
TOTAL	4,577.20



< 880.25 >
3696.95

ALLIED OIL & GAS SERVICES, LLC 053525

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Great Bend

DATE <u>5-4-12</u>	SEC <u>35</u>	TWP <u>18</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Sub # 24000</u>	WELL # <u>K-1</u>	LOCATION <u>E 1/2 E 1/2 NW 1/4</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Pickrell LCo

TYPE OF JOB Drill Free

HOLE SIZE 1 1/4" T.D. 225

CASING SIZE 8 1/8" DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 ft

PERFS.

DISPLACEMENT 17.74

OWNER Robert Hembree

CEMENT AMOUNT ORDERED 150 sks

(1955 A 30.00 20.00 gal)

COMMON	<u>150</u>	@	<u>16.25</u>	<u>2,437.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>162.9</u>	@	<u>2.10</u>	<u>342.09</u>
MILEAGE	<u>7.4 x 5x</u>	@	<u>2.35</u>	<u>86.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Great

360 HELPER Ken E

BULK TRUCK

378 DRIVER Steel M

BULK TRUCK

DRIVER

REMARKS:

Pipe on bottom, break circ

at 110' mark, hook up

cement pipe, mix 150 sks,

cement 4000 (30.00 4.00 17.74)

Back to 57' mark

put 1/4" - (count 20' circ)

stop down

TOTAL 3,221.29

SERVICE

DEPTH OF JOB 225

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE hvm 5 @ 7.00 35.00

MANIFOLD @

hvm 5 @ 4.00 20.00

@

CHARGE TO: Robert F Hembree

STREET PO Box 542

CITY Ness, KS STATE KS ZIP 67560 0542

TOTAL 1180.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any) _____

TOTAL CHARGES 4,401.29

DISCOUNT 20% 880.25 IF PAID IN 30 DAYS

3521.04

PRINTED NAME Mike Kern

SIGNATURE Mike Kern



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 131179

Invoice Date: May 15, 2012

Page: 1

**Bill To:**

Robert F. Hembree
P O Box 542
Ness City, KS 67560

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Hem	Schwartzkopf #1 "K"	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	May 15, 2012	6/14/12

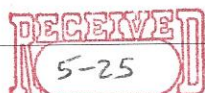
Quantity	Item	Description	Unit Price	Amount
144.00	MAT	Class A Common	16.25	2,340.00
96.00	MAT	Pozmix	8.50	816.00
8.00	MAT	Gel	21.25	170.00
60.00	MAT	FloSeal	2.70	162.00
257.76	SER	Handling	2.10	541.30
5.00	SER	Ton Miles	25.29	126.43
1.00	SER	Rotary Plug	1,250.00	1,250.00
5.00	SER	Heavy Vehicle Mileage	7.00	35.00
5.00	SER	Light Vehicle Mileage	4.00	20.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	EQUIP OPER	Kevin Eddy		
1.00	EQUIP OPER	Joel Monahan		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1092.14

ONLY IF PAID ON OR BEFORE

Jun 9, 2012



Subtotal	5,460.73
Sales Tax	344.03
Total Invoice Amount	5,804.76
Payment/Credit Applied	
TOTAL	5,804.76

- 1092.14
4,712.62

ALLIED OIL & GAS SERVICES, LLC 053535

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Groff Box 2, KS

DATE <u>5-15-12</u>	SEC. <u>35</u>	TWP. <u>18</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00am</u>	JOB FINISH <u>4:00pm</u>
LEASE <u>Schwartzkopf</u>	WELL # <u>1</u>	LOCATION <u>Ness City, KS</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>3/4 south, east into</u>				

CONTRACTOR Pickrail #10 OWNER Robert Hembre

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4343

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Greg R
366 HELPER Kevin E

BULK TRUCK
482-112 DRIVER Joel M

BULK TRUCK
DRIVER

REMARKS:

1st plug mix 50 sks @ 1590 ft
2nd plug mix 50 sks @ 810 ft
3rd plug mix 50 sks @ 450 ft
4th plug mix 40 sks @ 240 ft
5th plug mix 30 sks @ 60 ft
Mix 30 sks @ Redhook

CEMENT
AMOUNT ORDERED 240 sks 60/40
4 1/2 gal 1/4 glassal

COMMON	<u>144</u>	@ <u>16.25</u>	<u>2,340.00</u>
POZMIX	<u>96</u>	@ <u>8.50</u>	<u>816.00</u>
GEL	<u>8</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE		@	
ASC		@	
<u>Flow Seal</u>	<u>60</u>	@ <u>2.70</u>	<u>162.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>257.76</u>	@ <u>2.10</u>	<u>541.29</u>
MILEAGE	<u>10.76% 5</u>	@ <u>2.35</u>	<u>126.43</u>
			TOTAL <u>4,155.72</u>

SERVICE

DEPTH OF JOB	<u>1590</u>	
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>Hvm 5</u>	@ <u>7.00</u> <u>35.00</u>
MANIFOLD	@	
	<u>hvm 5</u>	@ <u>4.00</u> <u>20.00</u>
	@	

TOTAL 1305.00

CHARGE TO: Robert Hembre

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

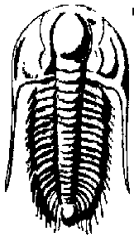
TOTAL

To: Allied Oil & Gas Services, 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 Mike Kern

SIGNATURE Mike Kern

SALES TAX (If Any)
TOTAL CHARGES 5,460.72
20% 1,092.14
DISCOUNT 4,368.58 IF PAID IN 30 DAYS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Robert F Hembree

35-18s 24 Ness KS

#1 Schwartzkoph K

Job Ticket: 47029

DST#: 1

ATTN: Fred Hembree

Test Start: 2012.05.13 @ 01:55:57

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:57

Time Test Ended: 08:59:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 64

Interval: ft (KB) To ft (KB) (TVD)

Total Depth: 4261.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2320.00 ft (KB)

2313.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8788

Press@RunDepth: 32.47 psig @ ft (KB)

Start Date: 2012.05.13

End Date:

2012.05.13

Start Time: 01:56:02

End Time:

08:59:56

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

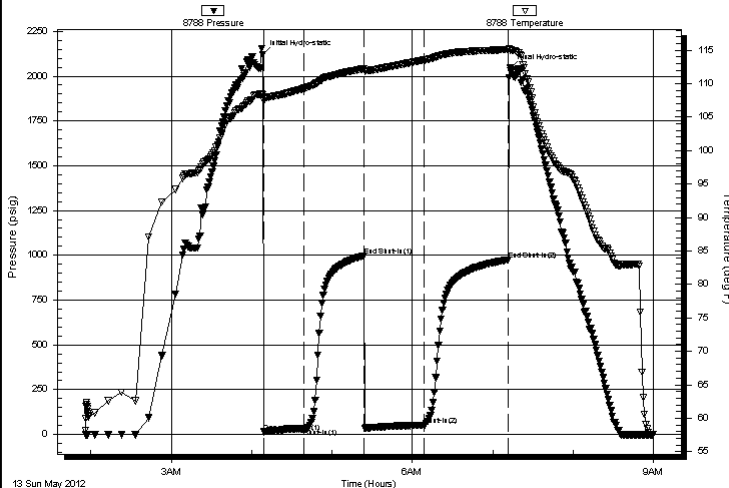
Time On Btm: 2012.05.13 @ 04:08:27

Time Off Btm: 2012.05.13 @ 07:12:57

TEST COMMENT: IF- weak blow built to 2"

FF- weak blow built to 5" no blow on either shutin

Pressure vs. Time



PRESSURE SUMMARY

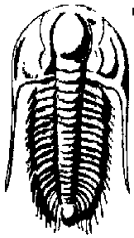
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.46	108.37	Initial Hydro-static
1	14.92	107.40	Open To Flow (1)
31	32.47	109.29	Shut-In(1)
76	997.59	112.24	End Shut-In(1)
121	52.96	113.53	Shut-In(2)
183	975.43	115.09	End Shut-In(2)
185	2044.76	115.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	watery mud 30% w 70% mud	0.28
60.00	oil specked mud w with clean oil on top	0.84
0.00	Rw .135 @ 65 = 60000	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Robert F Hembree

35-18s 24 Ness KS

#1 Schwartzkoph K

Job Ticket: 47029

DST#: 1

ATTN: Fred Hembree

Test Start: 2012.05.13 @ 01:55:57

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: 52.00 sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 60000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	watery mud 30% w 70% mud	0.281
60.00	oil specked mud with clean oil on top	0.842
0.00	Rw .135 @ 65 = 60000	0.000

Total Length: 80.00 ft Total Volume: 1.123 bbl

Num Fluid Samples: 0

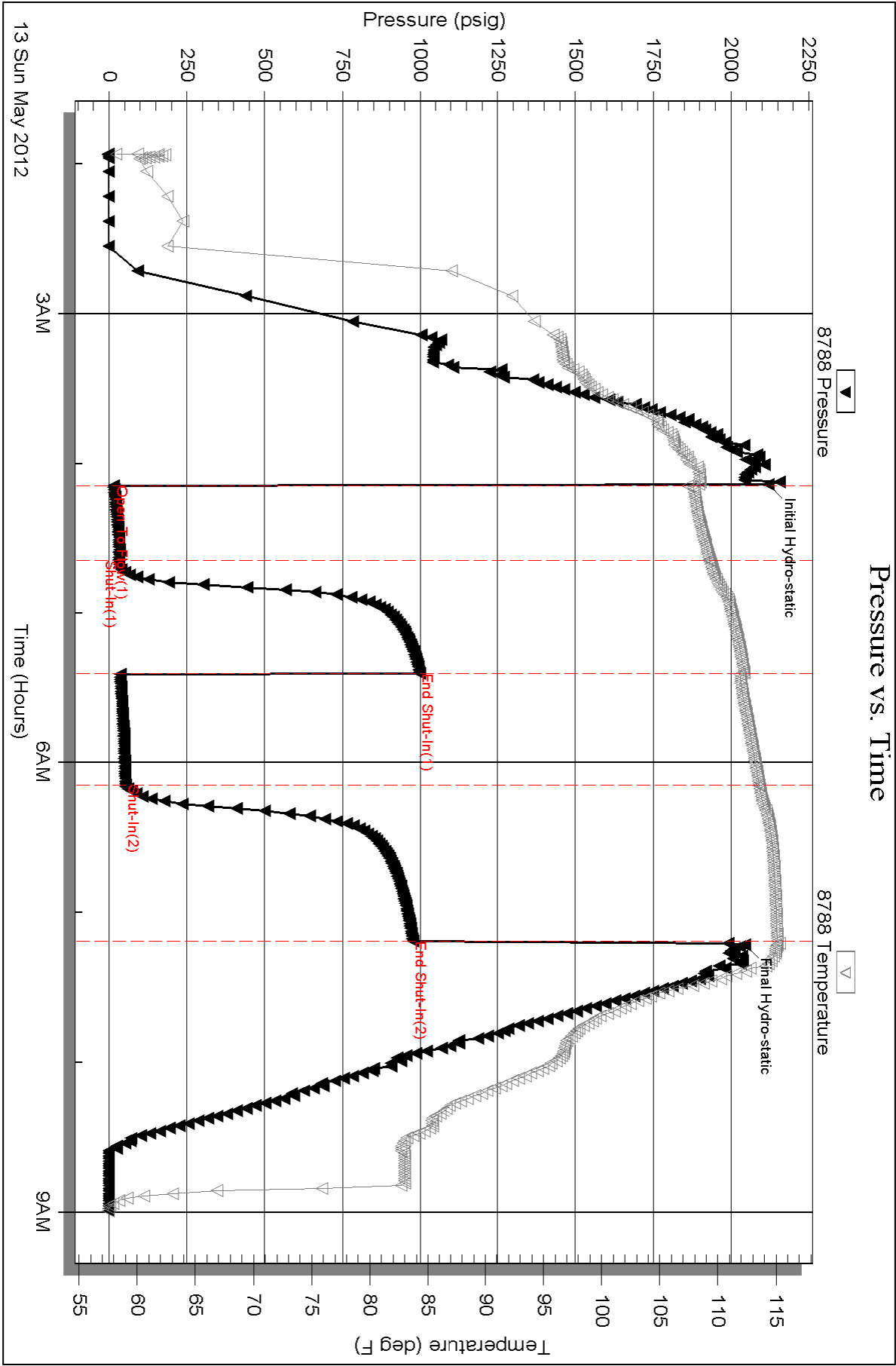
Num Gas Bombs: 0

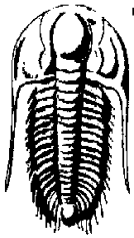
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: clean water in hyd tool





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Robert F Hembree

35-18s 24 Ness KS

Box 542
Ness City KS

#1 Schwartzkopf K

Job Ticket: 47030

DST#: 2

ATTN: Fred Hembree

Test Start: 2012.05.13 @ 23:55:58

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:01:53

Time Test Ended: 05:54:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 64

Interval: 4302.00 ft (KB) To 4338.00 ft (KB) (TVD)

Reference Elevations: 2320.00 ft (KB)

Total Depth: 4338.00 ft (KB) (TVD)

2313.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8788 Inside

Press@RunDepth: 15.13 psig @ 4303.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.13

End Date:

2012.05.14

Last Calib.: 2012.01.04

Start Time: 23:55:58

End Time:

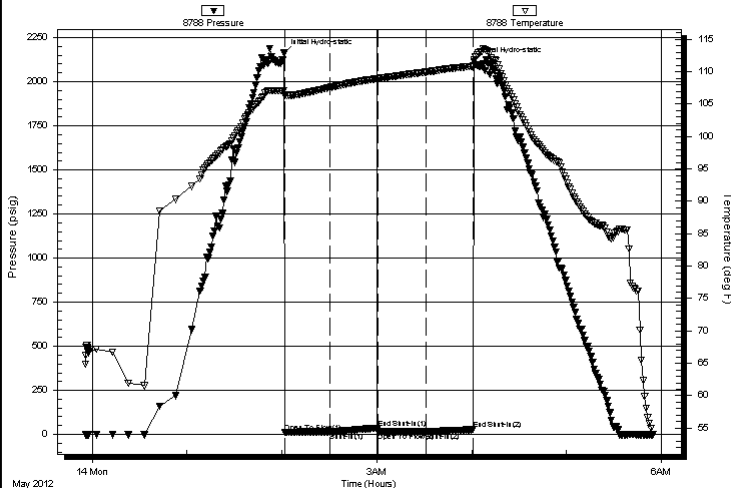
05:54:52

Time On Btm: 2012.05.14 @ 02:01:23

Time Off Btm: 2012.05.14 @ 04:01:23

TEST COMMENT: IF weak blow built to 3/4"
FF- no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.01	107.13	Initial Hydro-static
1	13.04	106.26	Open To Flow (1)
29	15.10	107.55	Shut-In(1)
59	36.47	108.94	End Shut-In(1)
60	14.89	108.94	Open To Flow (2)
90	15.13	109.92	Shut-In(2)
120	27.72	110.85	End Shut-In(2)
120	2115.73	111.82	Final Hydro-static

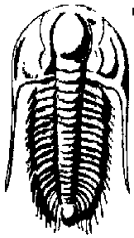
Recovery

Length (ft)	Description	Volume (bbl)
6.00	oil specked mud	0.08
4.00	clean oil	0.06

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Robert F Hembree

35-18s 24 Ness KS

Box 542
Ness City KS

#1 Schwartzkoph K

Job Ticket: 47030

DST#: 2

ATTN: Fred Hembree

Test Start: 2012.05.13 @ 23:55:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 10.16 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	oil specked mud	0.084
4.00	clean oil	0.056

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8788

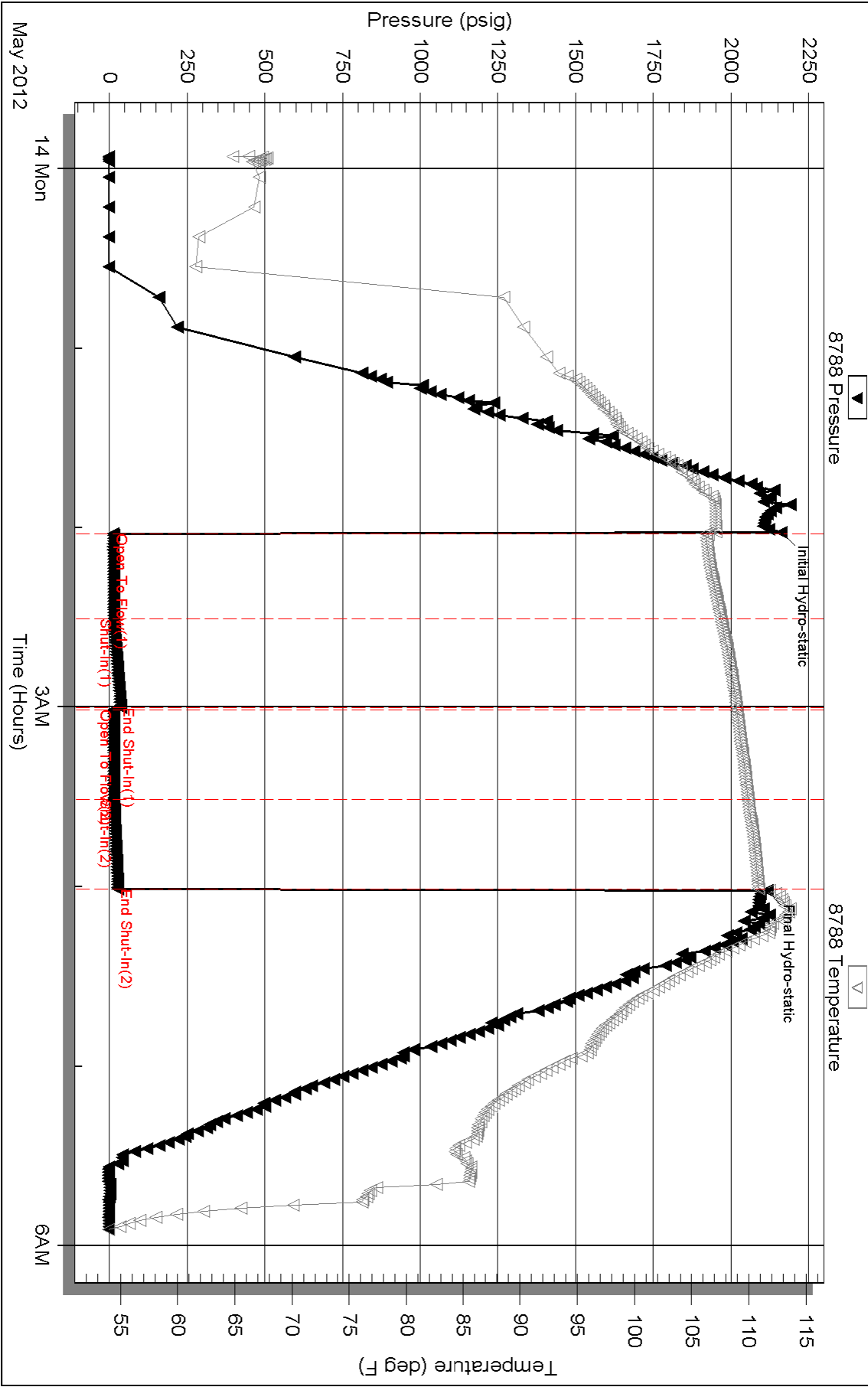
Inside

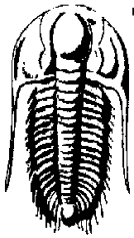
Robert F Hembree

#1 Schw artzkoph K

DST Test Number: 2

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Robert F Hembree

35-18s 24 Ness KS

Box 542
Ness City KS

#1 Schwartzkopf K

Job Ticket: 47031

DST#: 3

ATTN: Fred Hembree

Test Start: 2012.05.14 @ 14:39:54

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:42:24

Time Test Ended: 21:01:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 64

Interval: 4300.00 ft (KB) To 4343.00 ft (KB) (TVD)

Reference Elevations: 2320.00 ft (KB)

Total Depth: 4343.00 ft (KB) (TVD)

2313.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8788 Inside

Press@RunDepth: 16.51 psig @ 4304.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.14

End Date:

2012.05.14

Last Calib.: 2012.05.14

Start Time: 14:39:59

End Time:

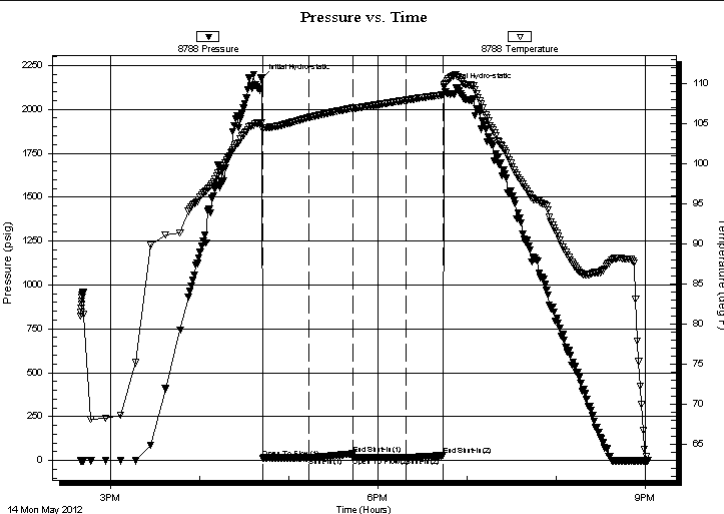
21:01:53

Time On Btm: 2012.05.14 @ 16:41:54

Time Off Btm: 2012.05.14 @ 18:44:24

TEST COMMENT: IF- weak blow built to 3/4"

FF- weak 1/4" blow died in 20 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.15	105.10	Initial Hydro-static
1	14.15	104.25	Open To Flow (1)
32	16.07	105.77	Shut-In(1)
61	37.79	106.94	End Shut-In(1)
62	16.95	106.94	Open To Flow (2)
97	16.51	107.95	Shut-In(2)
122	28.30	108.62	End Shut-In(2)
123	2125.57	109.88	Final Hydro-static

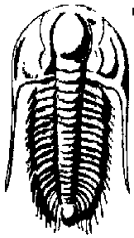
Recovery

Length (ft)	Description	Volume (bbl)
11.00	oil specked mud	0.15
1.00	clean oil	0.01

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Robert F Hembree

35-18s 24 Ness KS

Box 542
Ness City KS

#1 Schwartzkoph K

Job Ticket: 47031

DST#: 3

ATTN: Fred Hembree

Test Start: 2012.05.14 @ 14:39:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
11.00	oil specked mud	0.154
1.00	clean oil	0.014

Total Length: 12.00 ft

Total Volume: 0.168 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

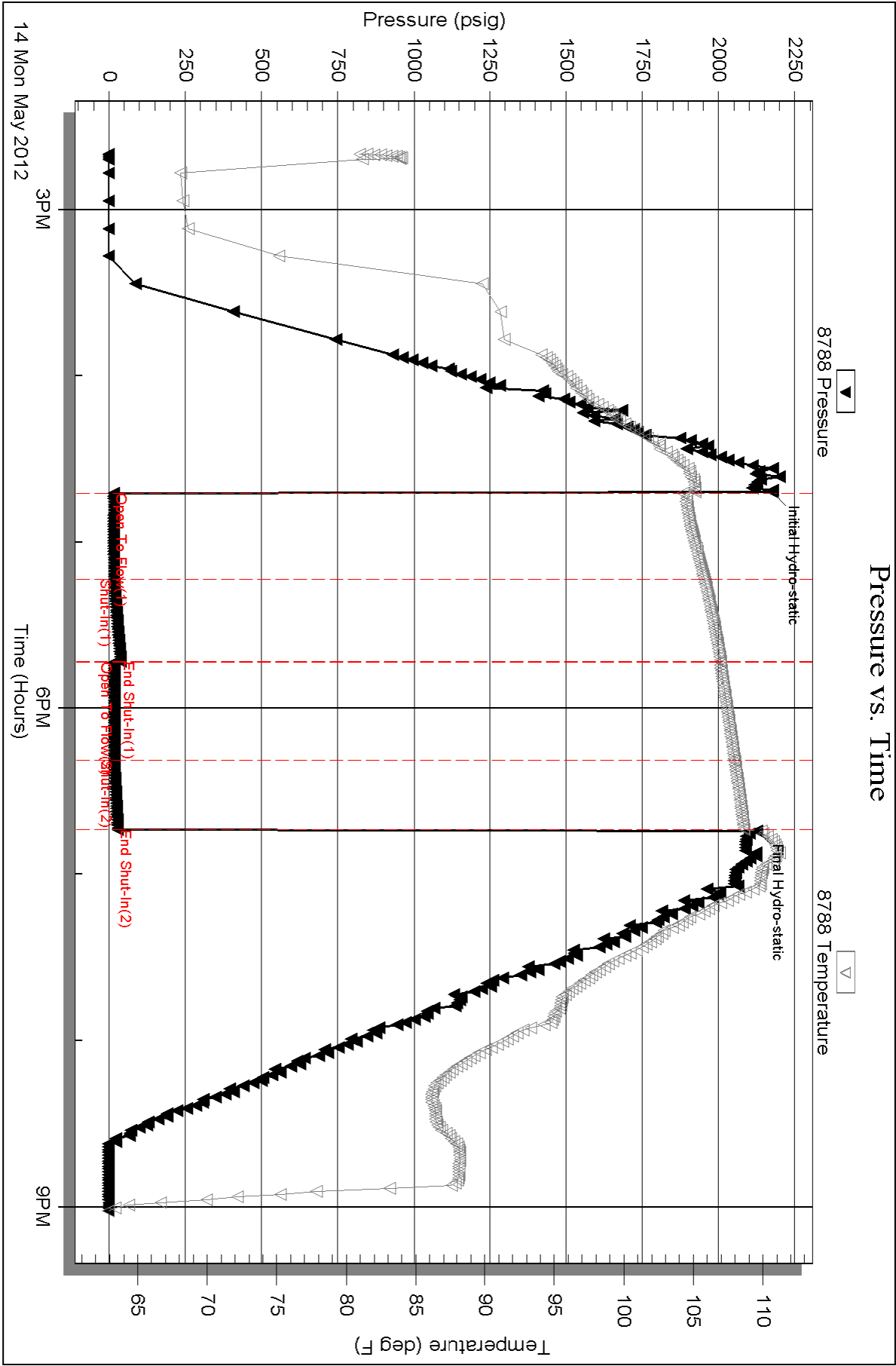
Serial #: 8788

Inside

Robert F Hembrree

#1 Schw artzkoph K

DST Test Number: 3

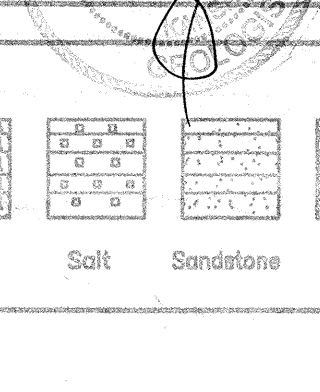


GEOLOGIST'S REPORT

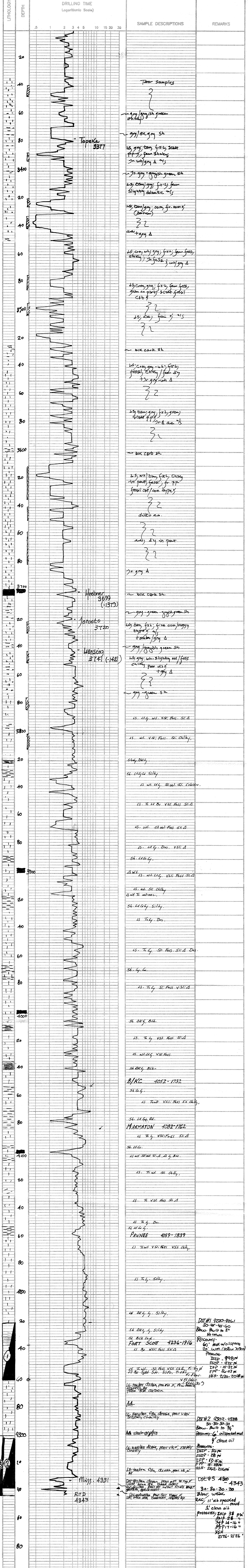
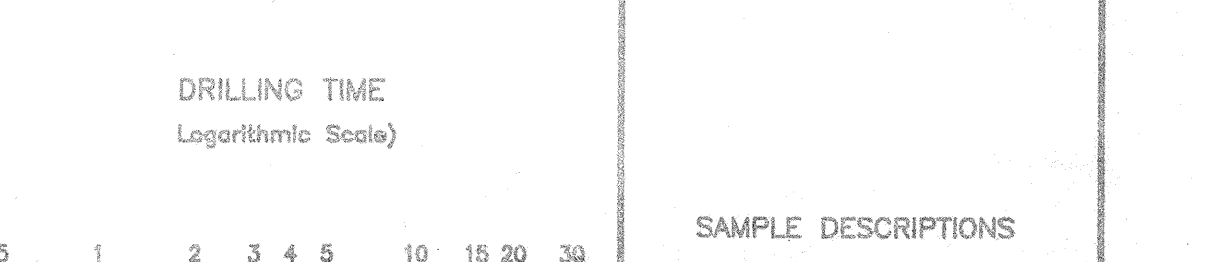
DRILLING TIME AND SAMPLE LOG

COMPANY	Robert F. Hembree	ELEVATIONS	
LEASE	Schwartzkopf - K' #1	KB	2220
FIELD	McDonald North #1	DF	
LOCATION	E/2-E/2-SW/4 (40' x 50')	CL	2313
SEC	35	TWSP	18S
COUNTY	Ness	STATE	Kansas
CONTRACTOR	Pickwell Drilling Co. (reg #10)	Measurements are All From	- K&B -
SPUD	May 3, 2012	SURFACE	838' ± 25'
RTD	4343	PRODUCTION	- none -
MUD UP	3315	TYPE MUD	Chemical
SAMPLES SAVED FROM	3300	ELECTRICAL SURVEYS	- none -
DRILLING TIME KEPT FROM	3300		
SAMPLES EXAMINED FROM	3300		
GEOLOGICAL SUPERVISION FROM	3440		
GEOLOGIST ON WELL	Jim Musgrave & Kim Shoemaker & Kurt Tabbert		
FORMATION TOPS	LOG	SAMPLES	
Topeka	No logs	3377 - 1057	
Heebner		3699 - 1215	
Toronto		3720 - 1400	
Hansing		3741 - 1421	
Base Kansas City		4082 - 1732	
Marmaton		4082 - 1732	
Lawrence		4159 - 1839	
Fi. Scott		4236 - 1916	
Missouri		4331 - 2011	
RTD		4343 - 2023	

The Schwartzkopf - K' #1, was plugged and abandoned at Tre RTP 4343
Respectfully submitted,
James C. Musgrave & Kim Shoemaker
Petroleum Geologist



LEGEND



DST #1 9220-9261
30'-45'-45'-60'
Blow: Built to 3"
No return
Recovery: 60' mud w/oil specks
20' w/m (200w 200m)
Pressures:
ISIP - 9980 psi
ISIP - 9750 psi
IFP - 15-32 psi
IFP - 13-15 psi
IFP - 15-28 psi
HSH - 2120-2048 psi

DST #2 4302-4338
30'-30'-30'-30'
Blow: Built to 3"
Recovery: 60' oil speckled mud
4' clean oil
Pressures:
ISIP - 3000 psi
ISIP - 2800 psi
IFP - 15-32 psi
IFP - 13-15 psi
IFP - 15-28 psi
HSH - 2120-2048 psi

DST #3 4320-4343
30'-30'-30'-30'
Blow: weak
Rec: 11' oil speckled mud
1' clean oil
Pressures: ISIP 38 psi
ISIP 28 psi
ISIP 14-16 psi
ISIP 17-16 psi
HSH 2120-2048 psi