

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed
1/24/2013

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33168
Name: WOOLSEY OPERATING COMPANY, LLC
Address 1: 125 N. Market
Address 2: Suite 1000
City: Wichita State: KS Zip: 67202 +
Contact Person: Dean Pattison
Phone: (316) 267-4379 (ext. 107) **KCC**
CONTRACTOR: License # 5929 **JAN 24 2011**
Name: DUKE DRILLING CO., INC.
Wellsite Geologist: BILLY G. KLAVER **CONFIDENTIAL**
Purchaser: PLAINS MARKETING / BLUESTEM GAS MARKETING
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: n/a
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr. Conv. to SWD
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
06/21/10 07/10/10 10/21/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-077-21685 00 00
Spot Description: _____
NW SE SE NE Sec. 12 Twp. 34 S. R. 9 East West
2305 Feet from North / South Line of Section
600 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: HARPER
Lease Name: HUGHBANKS Well #: 1
Field Name: HIBBARD NE
Producing Formation: _____
Elevation: Ground: 1326 Kelly Bushing: 1337
Total Depth: 5293 Plug Back Total Depth: 4962
Amount of Surface Pipe Set and Cemented at: 225 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 Alt. I SB 1-26-11
(Data must be collected from the Reserve Pit)
Chloride content: 24,000 ppm Fluid volume: 1800 bbls
Dewatering method used: Haul free fluids and allow to dry
Location of fluid disposal if hauled offsite: _____
Operator Name: WOOLSEY OPERATING COMPANY, LLC
Lease Name: Swartz License No.: 33168
Quarter _____ Sec. 12 Twp. 34 S. R. 9 East West
County: Harper Docket No.: D - 30567

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

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____
Title: Dean Pattison Date: January 24, 2010
Exploration and Production Manager
Subscribed and sworn to before me this 24th day of January,
20 11.
Notary Public: Debra K. Clingan
Debra K. Clingan
Date Commission Expires: March 27, 2014

KCC Office Use ONLY
Y Letter of Confidentiality Received 29
If Denied, Yes Date: _____
Y Wireline Log Received electronically
Y Geologist Report Received paper
____ UIC Distribution
RECEIVED

JAN 24 2011
KCC WICHITA

Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: HUGHBANKS Well #: 1
 Sec. 12 Twp. 34 S. R. 9 East West County: HARPER

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run: Comp Neutron Lithology Density
Array Induction GR SP
Sonic Scanner
Micro
Cement Bond *Paper*

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Chase	1604	- 267
Douglas	3481	- 2144
Hertha	4262	- 2925
Mississippian	4584	- 3247
Viola	4974	- 3637
Simpson	5034	- 3697
Arbuckle	5208	-3871

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30	20	50	40	grout	4 yds	
Surface	14.25	10.75	32.75	225	60/40 poz	240	2% gel, 3% cc
Production	7.875	4.5	11.6	5048	60/40 poz &	50	4% gel, 1/4# celoflake
					Class H	150	10% slat, 10% Floseal, 10% Gypseal, 6# Kalseal & .8% FL-160

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	4646-4653	Class A &	25	FI - 160
<input checked="" type="checkbox"/> Plug Off Zone		Class A Neat	75	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Perf Miss zone 4646-4653	ACID: 350 gal 10% MIRA & 700 gal 10% NEFE	4646-53
4	Perf Miss zone 4584-4624	ACID: 2100 gal 10% MIRA & 4200 gal 10% NEFE	4584-624
		16,464 gal treated wtr, 30,000# 20/40 Brady sd, 508,000 SCF Nitrogen	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>4674'</u> Packer At: <u>n/a</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>01/04/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>24</u> Gas Mcf <u>10</u> Water Bbls. <u>160</u>	Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4584-4624' OA</u>
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ALLIED CEMENTING CO., LLC. 04146

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

SERVICE POINT:
Medicine Lodge

DATE <u>6-22-10</u>	SEC. <u>12</u>	TWP. <u>34s</u>	RANGE <u>9W</u>	CALLED OUT <u>1:00 AM</u>	ON LOCATION <u>2:00 AM</u>	JOB START <u>7:00 AM</u>	JOB FINISH <u>7:30</u>
LEASE <u>Hughbanks</u> WELL # <u>1</u>			LOCATION <u>Hazelton, Ks East to</u>		COUNTY <u>Hgprer</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			CORWIN SIGN, 45, 3 E, 1/2 N / W LINE				

KCC
JAN 24 2011
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CONTRACTOR Dux #10
TYPE OF JOB Sub Base
HOLE SIZE 14 1/4 T.D. 228'
CASING SIZE 10 3/4 DEPTH 225'
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 20'
PERFS. _____
DISPLACEMENT 2 1/2 bbls of fresh water

EQUIPMENT

PUMP TRUCK CEMENTER Don F
320265 HELPER mgt T
BULK TRUCK
356-252 DRIVER Jason T
BULK TRUCK
_____ DRIVER _____

OWNER Woolsey Operations

CEMENT
AMOUNT ORDERED 240 sy Class A + 3'
2% br

COMMON <u>240 sy</u>	@	<u>15.45</u>	<u>3,708</u>
POZMIX _____	@	_____	_____
GEL <u>5 sy</u>	@	<u>20.80</u>	<u>104.0</u>
CHARGE <u>18 sy</u>	@	<u>58.20</u>	<u>465.6</u>
ASC _____	@	_____	_____
Regulatory Correspondence _____	@	_____	_____
Drig / Comp _____	@	_____	_____
Tests / Meters _____	@	_____	_____
Operations _____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
HANDLING <u>253 sy</u>	@	<u>2.40</u>	<u>607.2</u>
MILEAGE <u>253 sy X 25 X .10 =</u>			<u>632.5</u>
			TOTAL <u>5,517</u>

REMARKS:

Pipe on bottom & break circulation
Pump 3 bbls of fresh water shear mix
240 sy of cement, Displace 2 1/2 bbls
of fresh water, shut in, cement die
circulate

CHARGE TO: Woolsey Operations
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 225'
PUMP TRUCK CHARGE _____ 1018.00
EXTRA FOOTAGE _____ @ _____
MILEAGE 25 @ 7.00 175.0
MANIFOLD _____ @ _____
5000 & 2510x @ _____
_____ @ _____

TOTAL 1193.0

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
<u>none</u>	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
			TOTAL _____

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 X MIKE THARO
SIGNATURE X Mgt T
Thank YOU!!!

SALES TAX (If Any) _____
TOTAL CHARGES 1193.00
DISCOUNT _____
RECEIVED
JAN 24 2011
KCC WICHITA

ALLIED CEMENTING CO., LLC. 042170

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

AUG 09 2010

SERVICE POINT: Medicine Lodge

DATE <u>07-2-10</u>	SEC <u>12</u>	TWP. <u>34s</u>	RANGE <u>09w</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>Hughbanks</u> WELL # <u>1</u>		LOCATION				COUNTY <u>Butler</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)						Harper	

CONTRACTOR Duke #10

TYPE OF JOB Production Casing

HOLE SIZE 7 7/8 T.D. 5293

CASING SIZE 4 1/2 116 DEPTH 5048

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH 0

PRES. MAX 1300 MINIMUM →

MEAS. LINE SHOE JOINT 43.05

CEMENT LEFT IN CSG. 43'

PERFS.

DISPLACEMENT 7 7/8 B615 2% KCL Water

OWNER Woolsey

CEMENT

AMOUNT ORDERED 855x60:40:4% gel + 1/2

Flowseal & 150SX Class H + 10% salt + 10%

1/4" Flo-seal + 6" Kof-seal + .8% FLU 60 & 8

Class H

COMMON <u>515x</u>	@ <u>15.45</u>	<u>787.0</u>
POZMIX <u>245x</u>	@ <u>8.00</u>	<u>272.0</u>
GEL <u>35x</u>	@ <u>20.80</u>	<u>622.4</u>
CHLORIDE	@	
ASC	@	
<u>Class H 150sx</u>	@ <u>16.75</u>	<u>2,512.5</u>
<u>Gypseal 145x</u>	@ <u>29.20</u>	<u>468.4</u>
<u>SALT 165x</u>	@ <u>12.00</u>	<u>192.0</u>
<u>Kof-seal 850*</u>	@ <u>.89</u>	<u>756.0</u>
<u>Fl-160 110*</u>	@ <u>13.35</u>	<u>1,468.5</u>
<u>Fl-seal 40*</u>	@ <u>2.50</u>	<u>100.0</u>
<u>KCL 8gal</u>	@ <u>31.25</u>	<u>250.0</u>
HANDLING <u>2355x</u>	@ <u>2.40</u>	<u>564.0</u>
MILEAGE <u>2355x .10 X 25 =</u>		<u>587.5</u>
TOTAL		<u>7,962</u>

EQUIPMENT

PUMP TRUCK CEMENTER D. Felio

471-302 HELPER R. Gilley

BULK TRUCK

356-252 DRIVER J. Thimesch

BULK TRUCK

_____ DRIVER WELL FILE

Regulatory Correspondence
Drig. Comp. Workovers
Meters Operations

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Pipe on Birm, Break Cir., Plug Rat Hole w/ 205x
60:40 cement, Pump 655x Scavenger Cement,
Mix 150SX tail cement, Stop Pump, Wash pump
& Lines, Release Plug, Start Disp w/ 2% KCL
water, See steady increase in PST, Slow Rate,
Bump Plug at 7 1/2'
Bols total Disp., Release PST, Float Die Held

SERVICE

DEPTH OF JOB <u>5048</u>		
PUMP TRUCK CHARGE		<u>2295.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>25</u>	@ <u>7.00</u>	<u>175.0</u>
MANIFOLD <u>Hardmental</u>	@ <u>1/2</u>	
	@	
	@	

CHARGE TO: Woolsey Oper.

STREET _____

CITY _____ STATE _____ ZIP _____

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JAN 24 2011

TOTAL 2470

KCC WICHITA PLUG & FLOAT EQUIPMENT

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.

<u>1-AFU Float Shoe</u>	@ <u>205.80</u>	<u>205.80</u>
<u>1-Latch Down Plug 155x</u>	@ <u>163.00</u>	<u>163.00</u>
<u>10-Turbalizers</u>	@ <u>40.60</u>	<u>406.00</u>
<u>15-Recip. Scratchers</u>	@ <u>23.94</u>	<u>359.10</u>
	@	
TOTAL		<u>1,133.90</u>

PRINTED NAME Allen F. Dick

SIGNATURE Allen F. Dick

SALES TAX (If Any) _____

TOTAL CHARGES 1,133.90

DISCOUNT _____ IF PAID IN 30 D

ALLIED CEMENTING CO., LLC. 041405

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

SERVICE POINT: Medicine Lodge

DATE <u>10-7-2011</u>	SEC. <u>12</u>	TWP. <u>34</u>	RANGE <u>9</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>1:30 PM</u>
LEASE <u>Hughbanks</u>	WELL # <u>1</u>	LOCATION <u>Hazelton KS, East Harper Kansas</u>		COUNTY	STATE		
OLD <input checked="" type="radio"/> OR NEW <input type="radio"/> (Circle one)		<u>to Africa, Sign 3 1/2 south West into</u>					

CONTRACTOR <u>Pratt Well Service</u>	OWNER <u>Woolsey Operating</u>
TYPE OF JOB <u>Squeeze</u>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <u>4 1/4"</u> DEPTH _____	AMOUNT ORDERED _____
TUBING SIZE <u>2 3/8"</u> DEPTH _____	<u>25.5 x Class A + .3% FI-160</u>
DRILL PIPE _____ DEPTH _____	<u>75.5 x Class A Neat</u>
TOOL <u>Packer</u> DEPTH <u>4502'</u>	COMMON <u>100 5x @ 15.45 1545 °</u>
PRES. MAX _____ MINIMUM _____	POZMIX _____ @ _____
MEAS. LINE _____ SHOE JOINT _____	GEL _____ @ _____
CEMENT LEFT IN CSG _____	CHLORIDE _____ @ _____
PERFS. <u>4646-53</u>	ASC _____ @ _____
DISPLACEMENT <u>17 3/4 Bbls Freshwater</u>	FI-160-7° @ <u>3.30 93.10</u>
EQUIPMENT _____	_____ @ _____

PUMP TRUCK CEMENTER <u>Carl Balding</u>
<u>4/14302</u> HELPER <u>Ron Gilley</u>
BULK TRUCK
<u>354</u> DRIVER <u>Tom Beck-</u>
BULK TRUCK
_____ DRIVER _____

WELL FILE	
Regulatory Correspondence	@
Drill Comp Workovers	@
Tests + Meters Operations	@
HANDLING <u>100</u>	@ <u>2.40 240.00</u>
MILEAGE <u>100/10/25</u>	@ <u>3.12 312.00</u>
TOTAL	_____

REMARKS:

Perfs 4646-53' packer set 4502'
Load annulars - 500 psi. load.
tubing + establish date 4 BPM 100 psi
mix + pump 25.5x A+.3% FI-160
+ 75.5x Class A Neat. Wash pump
+ hoses. Displace with 17 3/4 Bbls
water. Stage 45 minutes. Start
Pumps + squeeze to 1500 psi. Release
pressure + Reverse out w/ 27 Bbls
Lay Down 5 joints shut in w/ psi 500 psi.

SERVICE	DEPTH OF JOB <u>4653</u>
PUMP TRUCK CHARGE <u>2011 °</u>	EXTRA FOOTAGE _____ @ _____
MILEAGE <u>25</u>	MILEAGE <u>25</u> @ <u>7 ° 175 °</u>
MANIFOLD _____	MANIFOLD _____ @ _____
<u>Squeeze manifold</u>	_____ @ _____
TOTAL <u>2186 °</u>	_____

CHARGE TO: Woolsey Operating

STREET _____

CITY _____ STATE _____ ZIP _____

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JAN 24 2011

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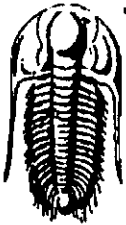
To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS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

PRINTED NAME Allen F. Dick

SIGNATURE Allen F. Dick

PLUG & FLOAT EQUIPMENT	_____ @ _____
TOTAL	_____
SALES TAX (If Any) _____	
TOTAL CHARGES <u>[scribble]</u>	
DISCOUNT _____ IF PAID IN 30 DAY	<u>[scribble]</u>

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JAN 24 2011
CONFIDENTIAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS

Job Ticket: 36969

DST#: 1

Test Start: 2010.07.06 @ 18:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 20:48:00
Time Test Ended: 03:30:30

Test Type: Conventional Straddle
Tester: Jake Fahrenbruch
Unit No: 43

Interval: **4636.00 ft (KB) To 4675.00 ft (KB) (TVD)**
Total Depth: **4913.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1340.00 ft (KB)**
1329.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8648

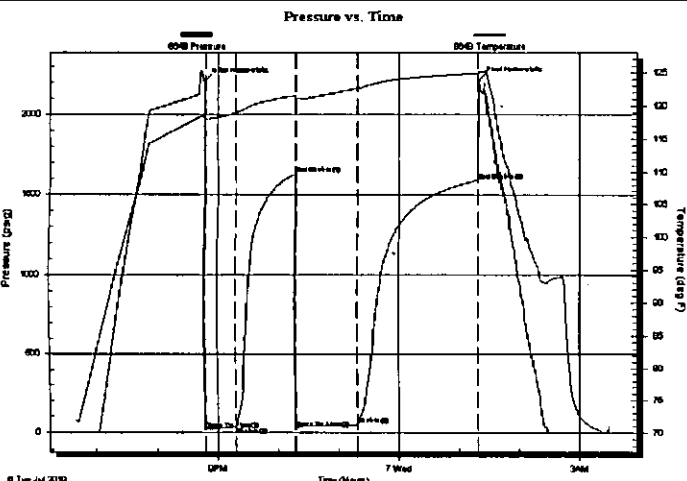
Inside

Press@RunDepth: **51.55 psig @ 4639.00 ft (KB)**
Start Date: **2010.07.06** End Date: **2010.07.07**
Start Time: **18:40:05** End Time: **03:30:30**

Capacity: **8000.00 psig**
Last Calib.: **2010.07.07**
Time On Btrn: **2010.07.06 @ 20:47:00**
Time Off Btrn: **2010.07.07 @ 01:20:20**

TEST COMMENT: IF: Weak blow, built to 5" in bucket.
IS: Bled off, no blow back.
FF: Weak to fair blow, built to BOB in 60 minutes.
FST: Bled off, no blow back.

KCC



PRESSURE SUMMARY

JAN 24 2011

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.10	118.68	Initial Hydro-static
1	19.59	118.18	Open To Flow (1)
31	35.80	118.93	Shut-In(1)
91	1629.77	121.54	End Shut-In(1)
91	27.66	121.00	Open To Flow (2)
152	51.55	122.63	Shut-In(2)
272	1589.56	124.92	End Shut-In(2)
274	2212.73	125.19	Final Hydro-static

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Recovery

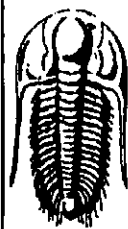
Length (ft)	Description	Volume (bbl)
80.00	Drig Mud 100%m	0.85

Gas Rates

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

**RECEIVED
JAN 24 2011**

KCC WICHITA



TRILLOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

HUGHBANKS #1

12-34s-9w-HARPER-KS
Job Ticket: 36969 DST#: 1
Test Start: 2010.07.06 @ 18:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:48:00
Time Test Ended: 03:30:30

Test Type: Conventional Straddle
Tester: Jake Fahrenbruch
Unit No: 43

Interval: **4636.00 ft (KB) To 4675.00 ft (KB) (TVD)**
Total Depth: 4913.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1340.00 ft (KB)
1329.00 ft (CF)
KB to GR/CF: 11.00 ft

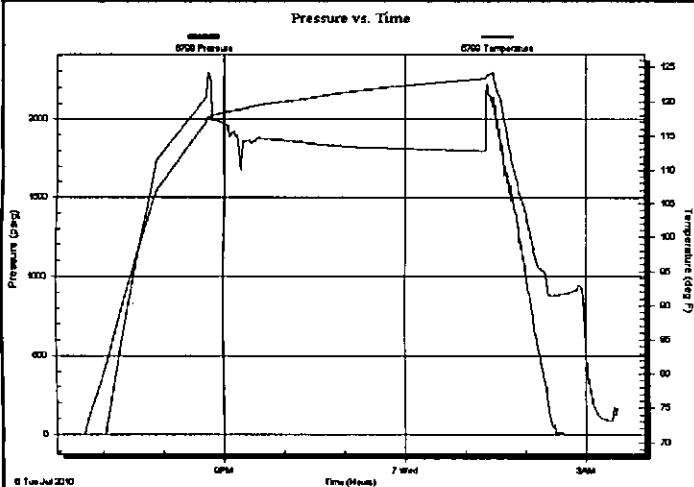
Serial #: 6799

Below (Straddle)

Press@RunDepth: psig @ 4687.00 ft (KB)
Start Date: 2010.07.06 End Date: 2010.07.07
Start Time: 18:40:05 End Time: 03:31:50

Capacity: 8000.00 psig
Last Calib.: 2010.07.07
Time On Btm: Time Off Btm:

TEST COMMENT: IF: Weak blow, built to 5" in bucket.
IS: Bled off, no blow back.
FF: Weak to fair blow, built to BOB in 60 minutes.
FSt: Bled off, no blow back.



PRESSURE SUMMARY

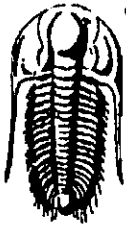
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Drig Mud 100%m	0.85

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36969 **DST#: 1**
Test Start: 2010.07.06 @ 18:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.49 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: inches			

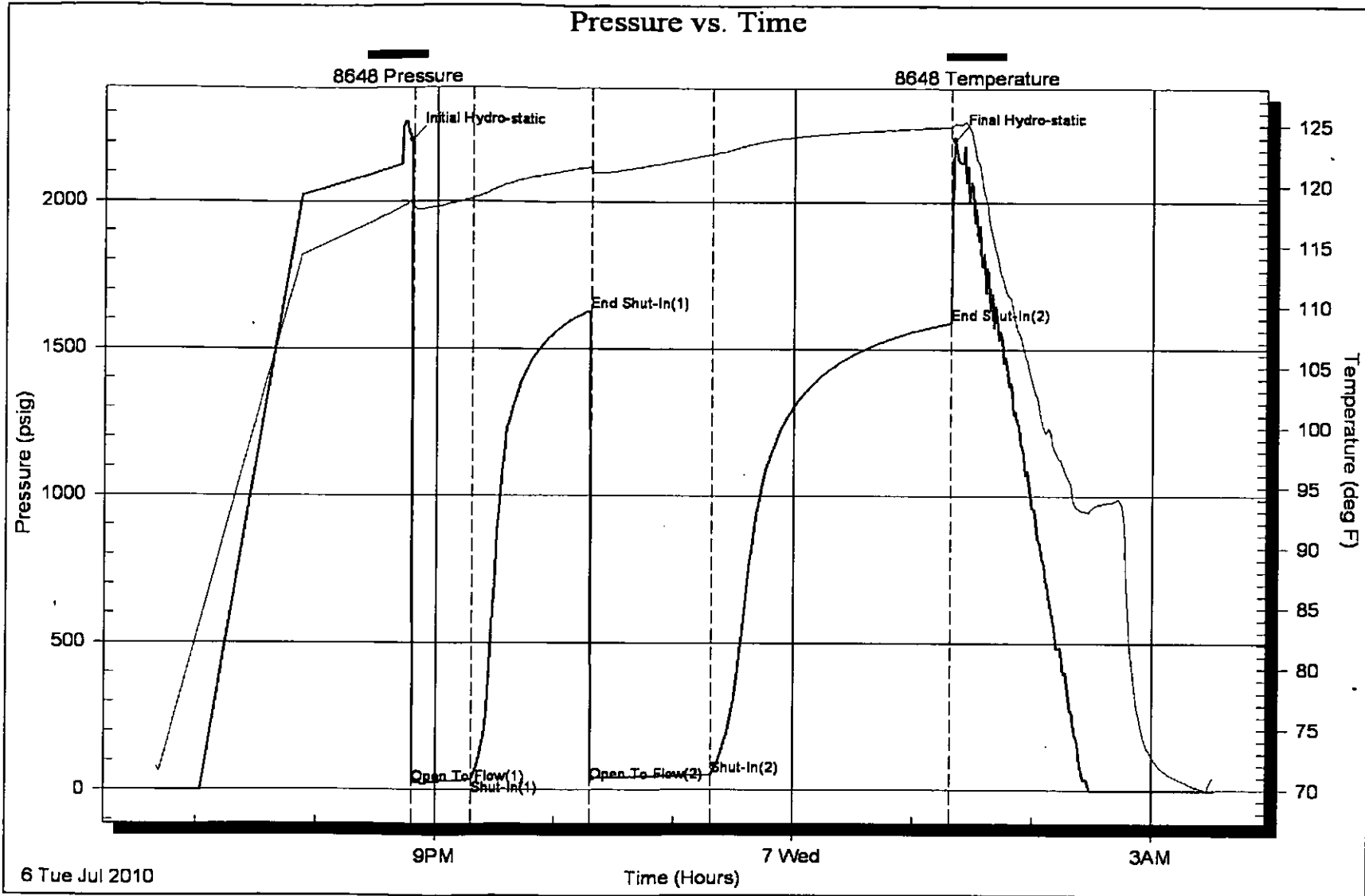
Recovery Information

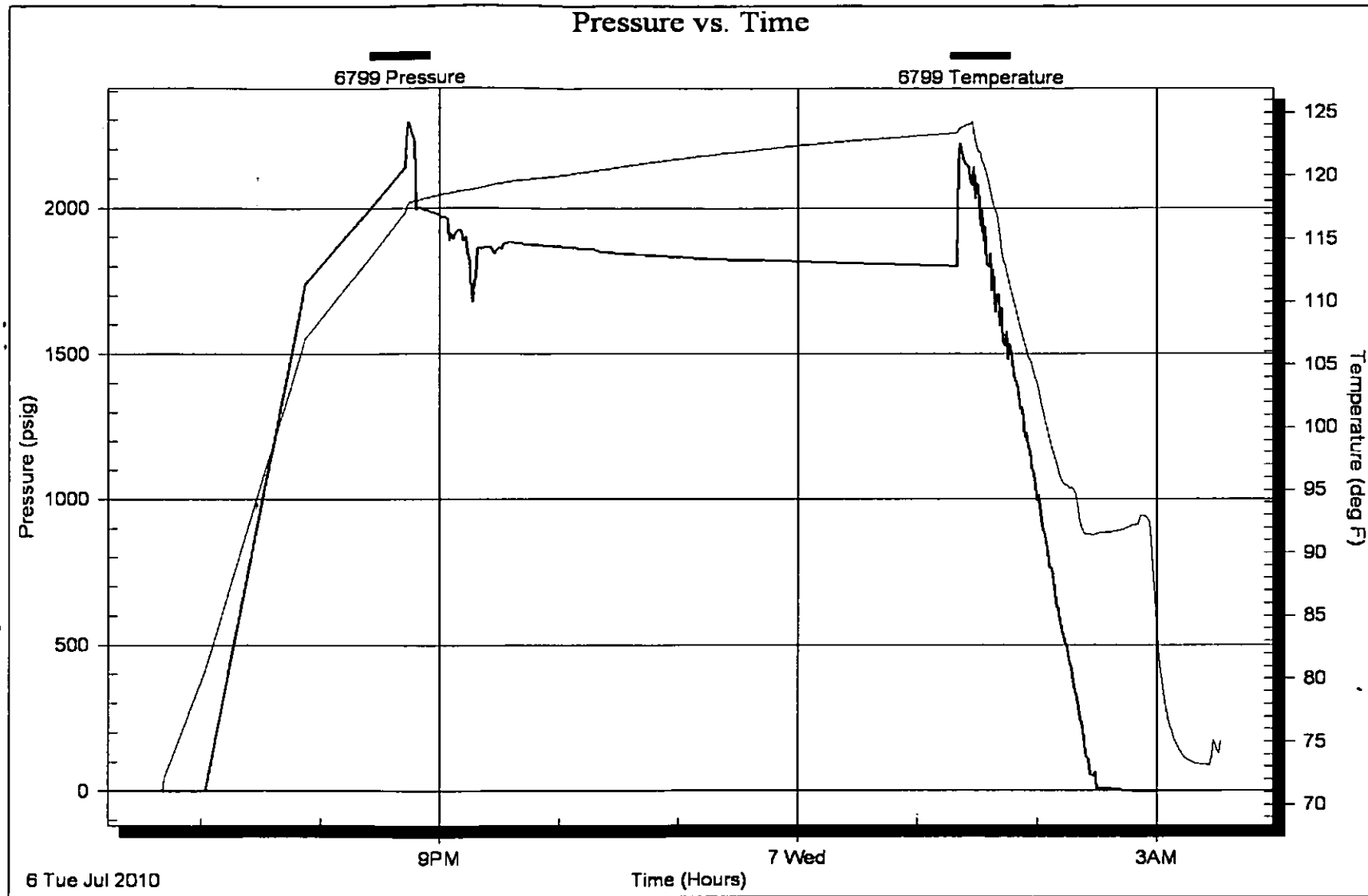
Recovery Table

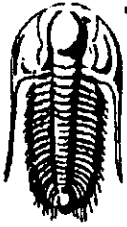
Length ft	Description	Volume bbl
80.00	Drig Mud 100%m	0.849

Total Length: 80.00 ft Total Volume: 0.849 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

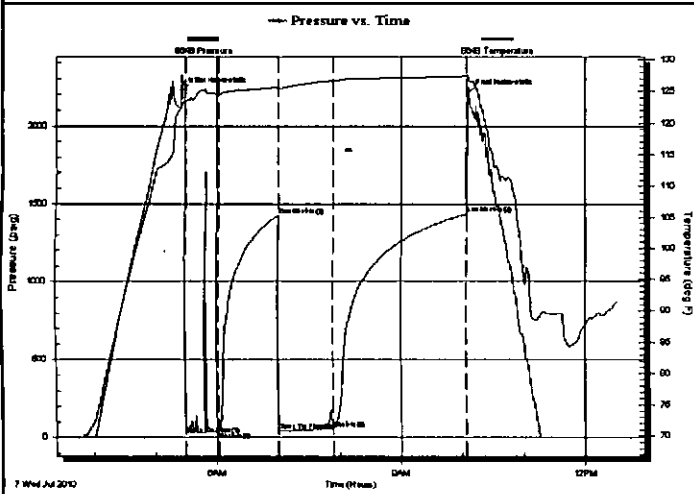
12-34s-9w-HARPER-KS
Job Ticket: 36970 **DST#: 2**
Test Start: 2010.07.07 @ 03:49:00

GENERAL INFORMATION:

Formation: **4913**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:29:30
Time Test Ended: 12:32:10
Interval: **4607.00 ft (KB) To 4637.00 ft (KB) (TVD)**
Total Depth: **4913.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Straddle**
Tester: **Jake Fahrenbruch**
Unit No: **43**
Reference Elevations: **1340.00 ft (KB)**
1329.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8648 **Inside**
Press@RunDepth: **56.61 psig @ 4608.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.07.07** End Date: **2010.07.07** Last Calib.: **2010.07.07**
Start Time: **03:49:05** End Time: **12:32:10** Time On Btm: **2010.07.07 @ 05:25:30**
Time Off Btm: **2010.07.07 @ 10:06:09**

TEST COMMENT: Very weak blow, tool acted like plugged, flushed tool, surged, very weak blow @ .5".
No blow back.
Short surge upon open, no blow until 20 min, weak surface blow.
No blow back.



PRESSURE SUMMARY

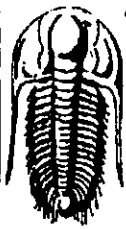
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.67	122.50	Initial Hydro-static
4	23.63	122.74	Open To Flow (1)
37	40.22	124.66	Shut-In(1)
95	1425.33	125.69	End Shut-In(1)
95	42.25	125.25	Open To Flow (2)
148	56.61	126.68	Shut-In(2)
279	1436.78	127.41	End Shut-In(2)
281	2210.07	126.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Drig Mud 100% m	0.99
0.00	slight show of oil in tools	0.00
0.00	No GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.
 125 N. Market
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 ATTN: Bill Klaver

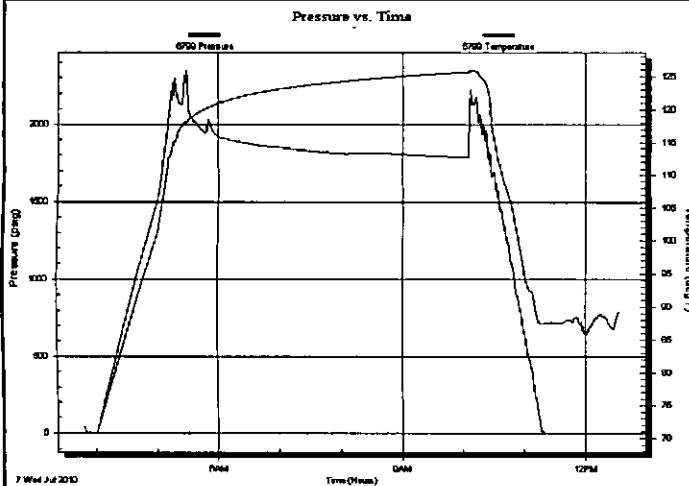
HUGHBANKS #1
12-34s-9w-HARPER-KS
 Job Ticket: 36970 **DST#: 2**
 Test Start: 2010.07.07 @ 03:49:00

GENERAL INFORMATION:

Formation: **4913**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Straddle**
 Time Tool Opened: **05:29:30** Tester: **Jake Fahrenbruch**
 Time Test Ended: **12:32:10** Unit No: **43**
 Interval: **4607.00 ft (KB) To 4637.00 ft (KB) (TVD)** Reference Elevations: **1340.00 ft (KB)**
 Total Depth: **4913.00 ft (KB) (TVD)** **1329.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **11.00 ft**

Serial #: 6799 Below (Straddle)
 Press@RunDepth: **psig @ 4655.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.07.07** End Date: **2010.07.07** Last Calib.: **2010.07.07**
 Start Time: **03:48:05** End Time: **12:33:30** Time On Btm
 Time Off Btm

TEST COMMENT: Very weak blow , tool acted like plugged, flushed tool, surged, very weak blow @ .5".
 No blow back.
 Short surge upon open, no blow until 20 min, weak surface blow .
 No blow back.



PRESSURE SUMMARY

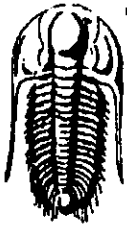
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Drig Mud 100% m	0.99
0.00	slight show of oil in tools	0.00
0.00	No GIP	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36970 **DST#: 2**
Test Start: 2010.07.07 @ 03:49:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 12.48 in³
Resistivity: ohm.m
Salinity: 11000.00 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: ppm

Recovery Information

Recovery Table

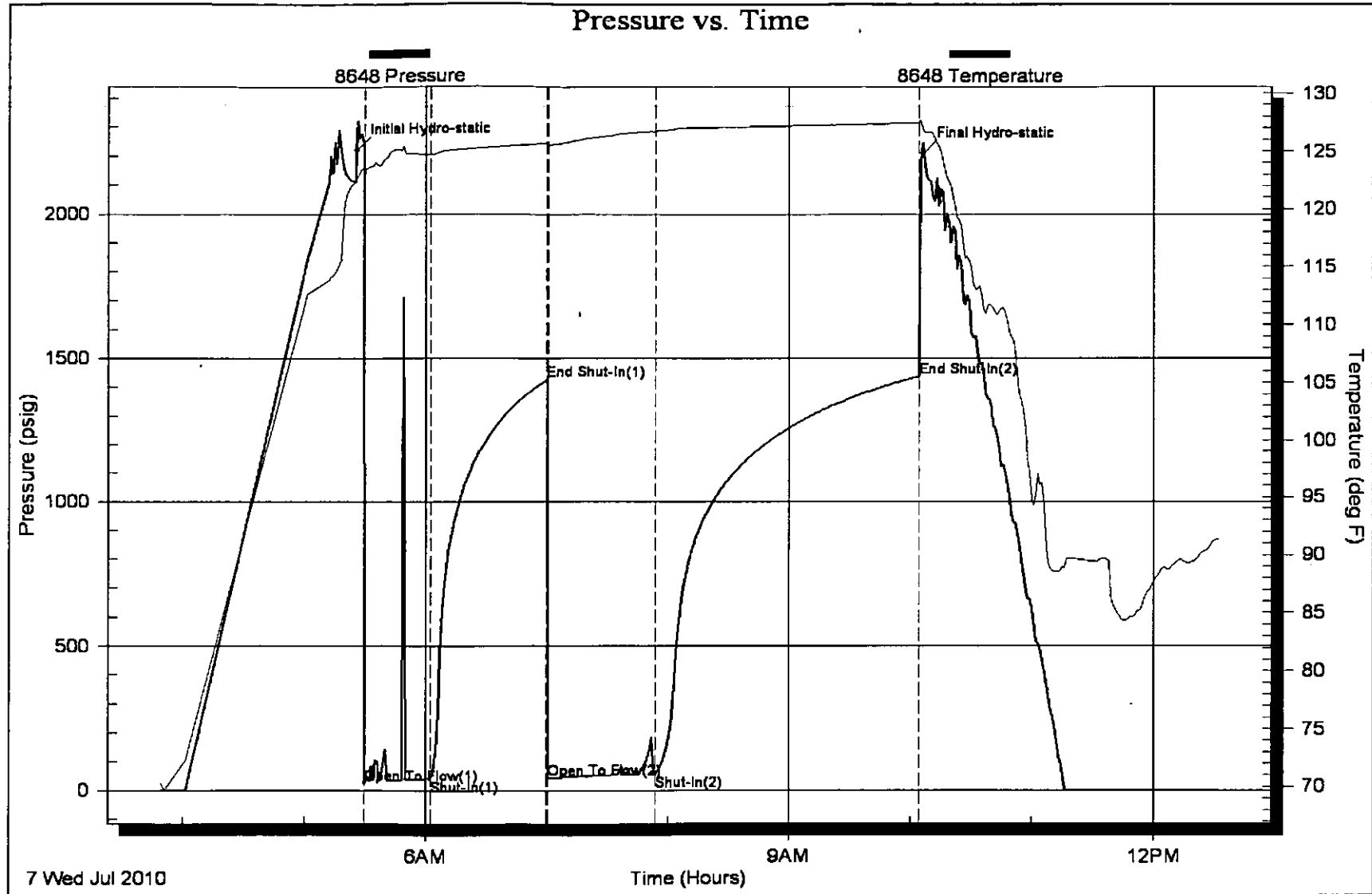
Length ft	Description	Volume bbl
90.00	Drig Mud 100%m	0.989
0.00	slight show of oil in tools	0.000
0.00	No GIP	0.000

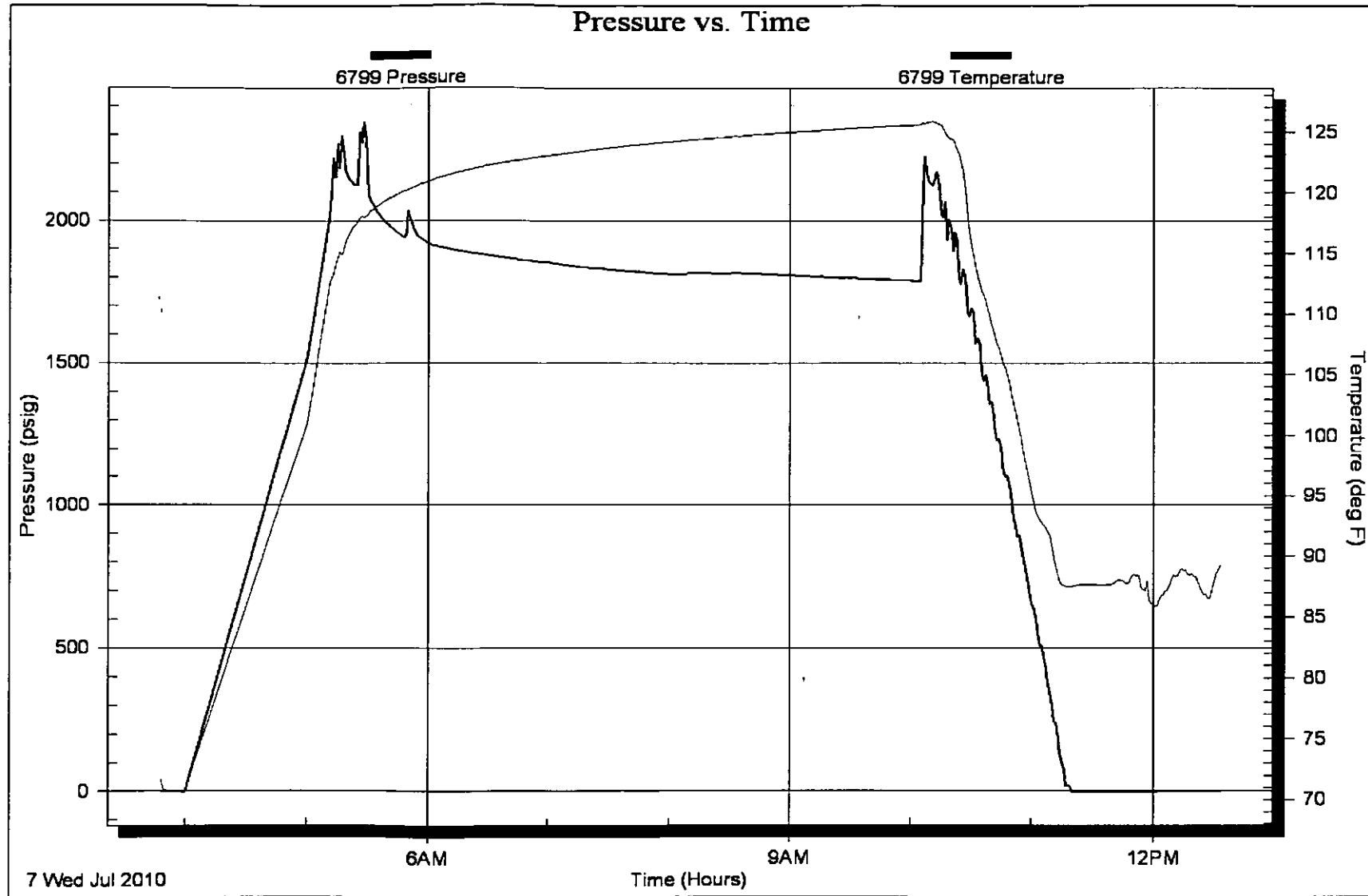
Total Length: 90.00 ft Total Volume: 0.989 bbl

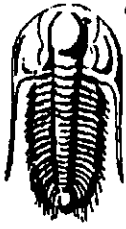
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







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DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
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ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36971 **DST#: 3**
Test Start: 2010.07.07 @ 20:35:00

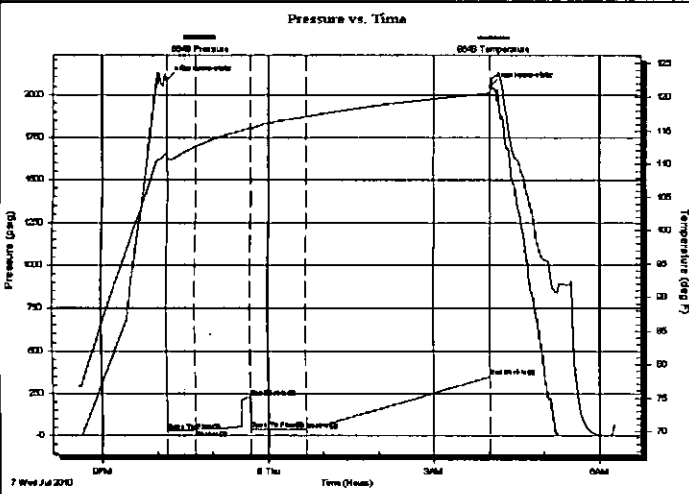
GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle
Time Tool Opened: 22:10:50 Tester: Jake Fahrenbruch
Time Test Ended: 06:15:49 Unit No: 43

Interval: **4440.00 ft (KB) To 4605.00 ft (KB) (TVD)** Reference Elevations: 1340.00 ft (KB)
Total Depth: 4913.00 ft (KB) (TVD) 1329.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8648 Inside
Press@RunDepth: 37.68 psig @ 4443.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.07.07 End Date: 2010.07.08 Last Calib.: 2010.07.08
Start Time: 20:35:05 End Time: 06:15:50 Time On Btm: 2010.07.07 @ 22:10:00
Time Off Btm: 2010.07.08 @ 04:01:30

TEST COMMENT: IF: Weak blow at 1" in 15 minutes, died to a surface blow.
IST: No blow.
FF: No blow.
FST: No blow.



PRESSURE SUMMARY

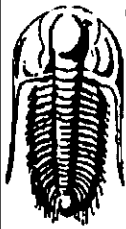
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.99	111.54	Initial Hydro-static
1	31.40	111.00	Open To Flow (1)
31	37.05	112.61	Shut-In(1)
91	229.65	115.44	End Shut-In(1)
91	38.09	115.33	Open To Flow (2)
151	37.68	117.16	Shut-In(2)
352	348.08	120.60	End Shut-In(2)
352	2049.74	121.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud 100% m	0.36
0.00	No GIP, no oil show.	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

125 N. Market
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ATTN: Bill Klaver

HUGHBANKS #1

12-34s-9w-HARPER-KS
Job Ticket: 36971 **DST#: 3**
Test Start: 2010.07.07 @ 20:35:00

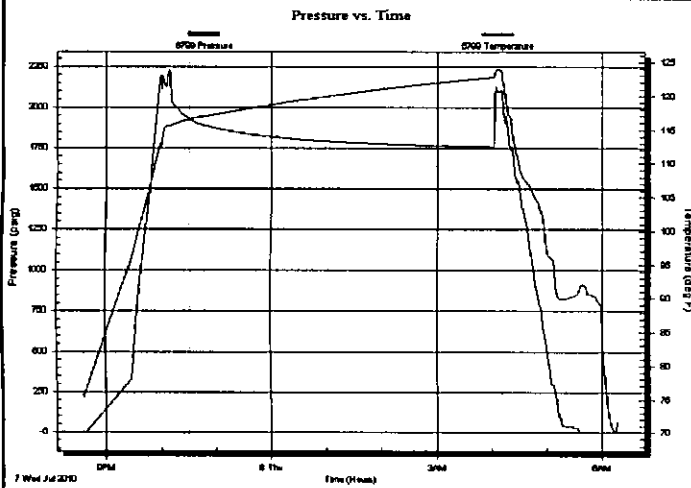
GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle
Time Tool Opened: 22:10:50 Tester: Jake Fahrenbruch
Time Test Ended: 06:15:49 Unit No: 43

Interval: **4440.00 ft (KB) To 4605.00 ft (KB) (TVD)** Reference Elevations: 1340.00 ft (KB)
Total Depth: 4913.00 ft (KB) (TVD) 1329.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6799 Below (Straddle)
Press@RunDepth: psig @ 4629.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.07.07 End Date: 2010.07.08 Last Calib.: 2010.07.08
Start Time: 20:35:05 End Time: 06:17:30 Time On Btm:
Time Off Btm:

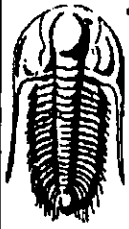
TEST COMMENT: IF: Weak blow at 1" in 15 minutes, died to a surface blow.
IS: No blow.
FF: No blow.
FST: No blow.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud 100% m	0.36
0.00	No GP, no oil show.	0.00

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co. LLC.

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125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36971 **DST#: 3**
Test Start: 2010.07.07 @ 20:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.47 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

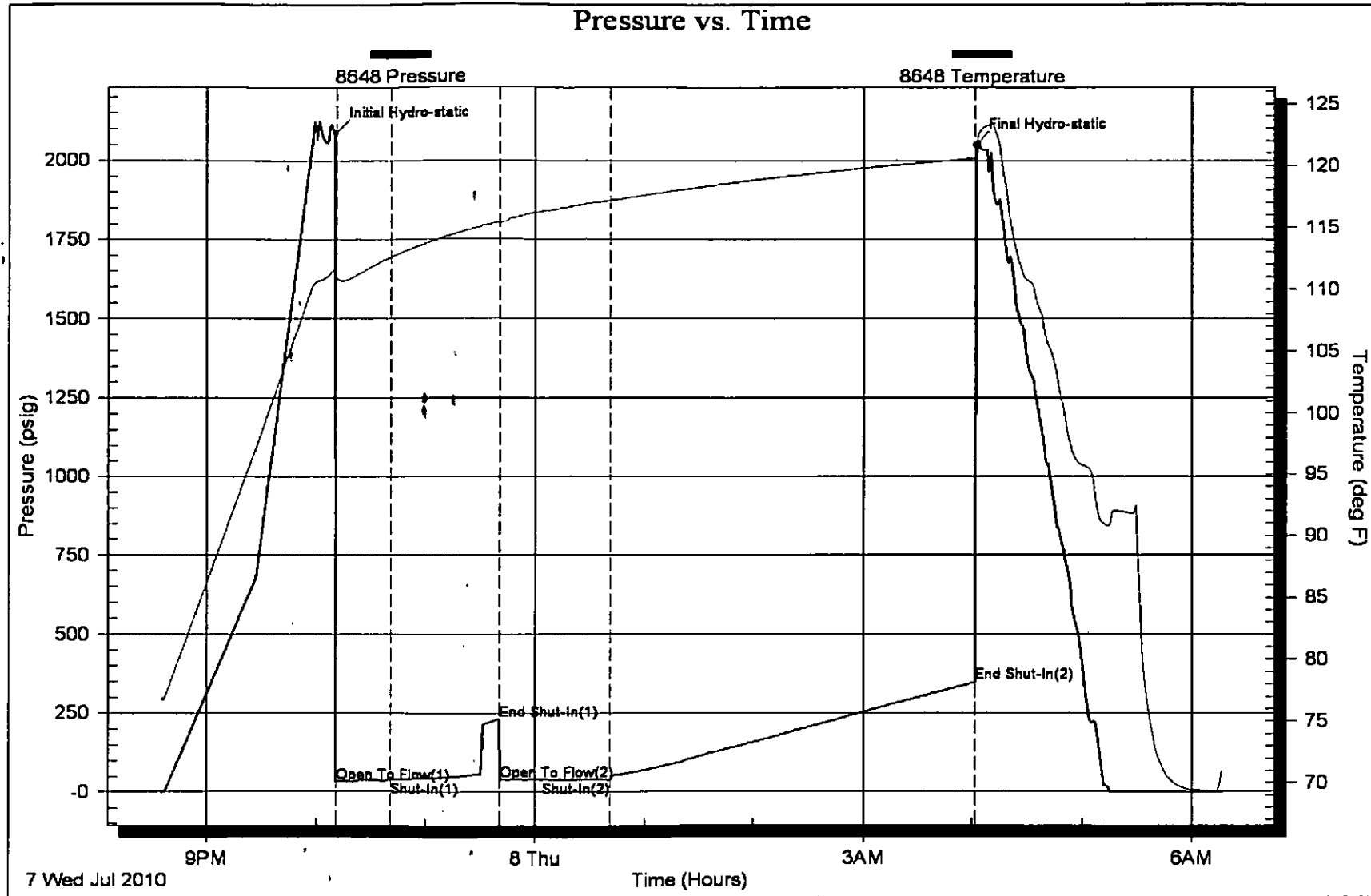
Length ft	Description	Volume bbl
45.00	Drilling Mud 100% _m	0.358
0.00	No GIP, no oil show.	0.000

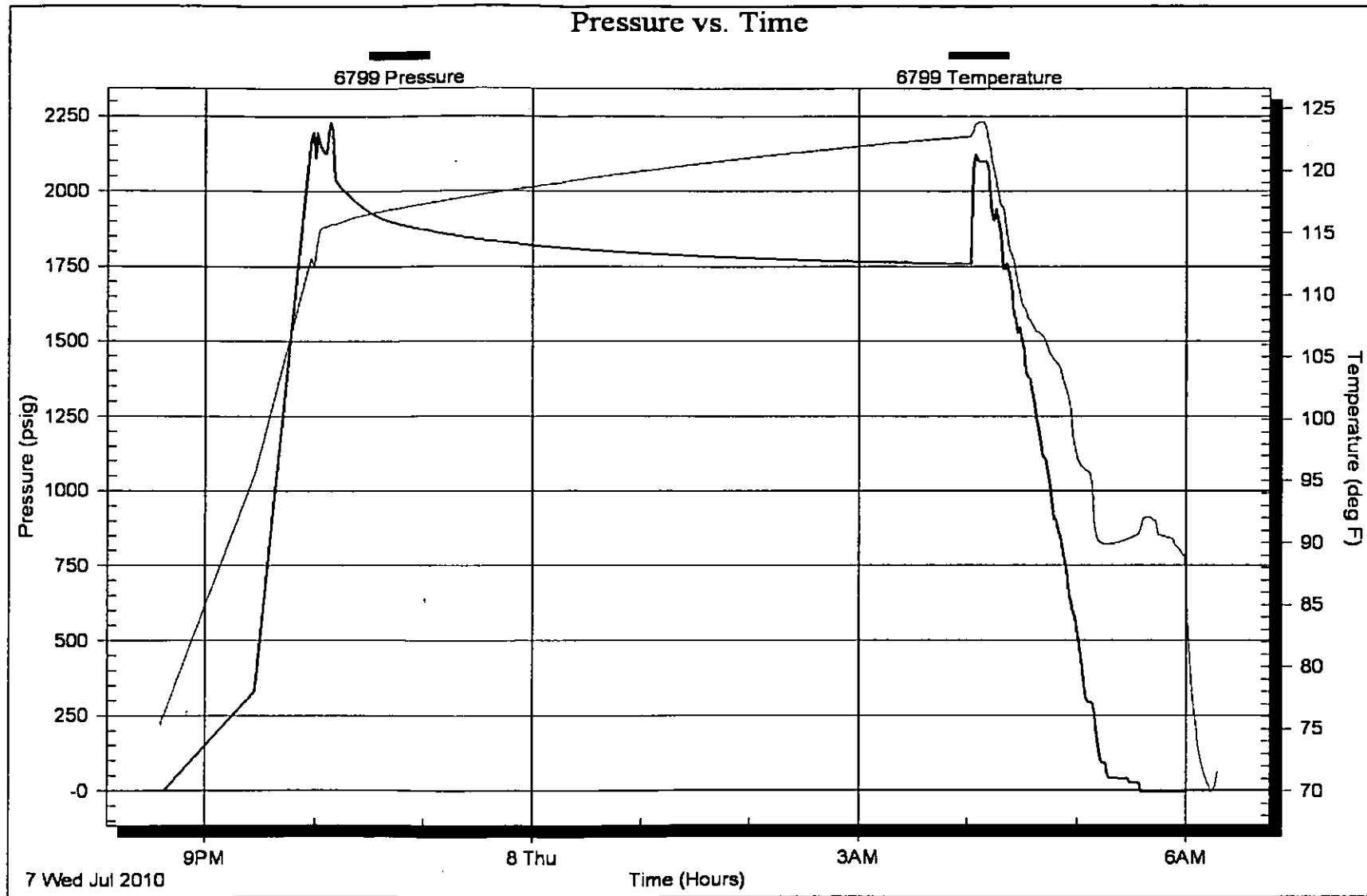
Total Length: 45.00 ft Total Volume: 0.358 bbl

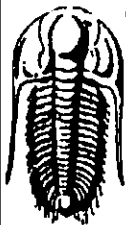
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

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ATTN: Bill Klaver

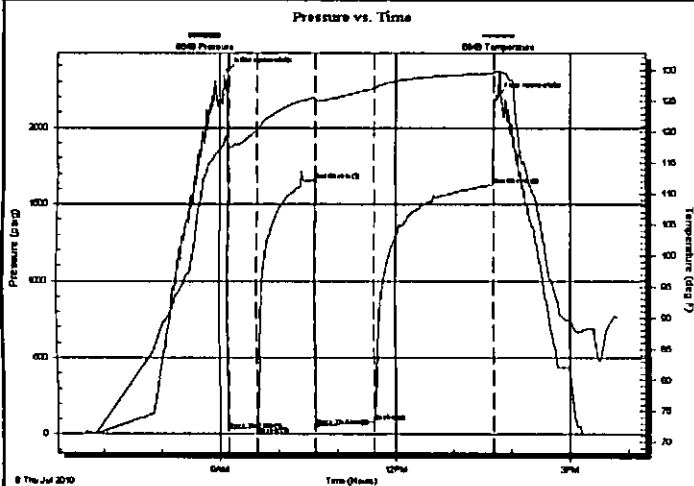
12-34s-9w-HARPER-KS
Job Ticket: 36972 **DST#: 4**
Test Start: 2010.07.08 @ 06:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:08:50
Time Test Ended: 15:50:40
Test Type: Conventional Straddle
Tester: Jake Fahrenbruch
Unit No: 43
Interval: **4678.00 ft (KB) To 4750.00 ft (KB) (TVD)**
Reference Elevations: 1340.00 ft (KB)
Total Depth: 4913.00 ft (KB) (TVD) 1329.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: **8648** **inside**
Press@RunDepth: 84.69 psig @ 4681.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.07.08 End Date: 2010.07.08 Last Calib.: 2010.07.08
Start Time: 06:40:05 End Time: 15:50:40 Time On Btm: 2010.07.08 @ 09:07:10
Time Off Btm: 2010.07.08 @ 13:45:09

TEST COMMENT: IF: Weak blow, built to 4" in bucket.
IST Bled off, no blow back.
FF: Weak blow, built to 4.5" in bucket.
FST Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.34	119.54	Initial Hydro-static
2	25.34	117.88	Open To Flow (1)
31	49.13	120.29	Shut-In(1)
90	1655.46	125.57	End Shut-In(1)
91	52.66	125.13	Open To Flow (2)
151	84.69	127.04	Shut-In(2)
274	1626.13	129.44	End Shut-In(2)
278	2205.83	129.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	WM 30%w 70% m	0.99
40.00	SWCM %5w 95% m	0.56
0.00	No GIP	0.00
0.00	27,500 ppm chl	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

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ATTN: Bill Klaver

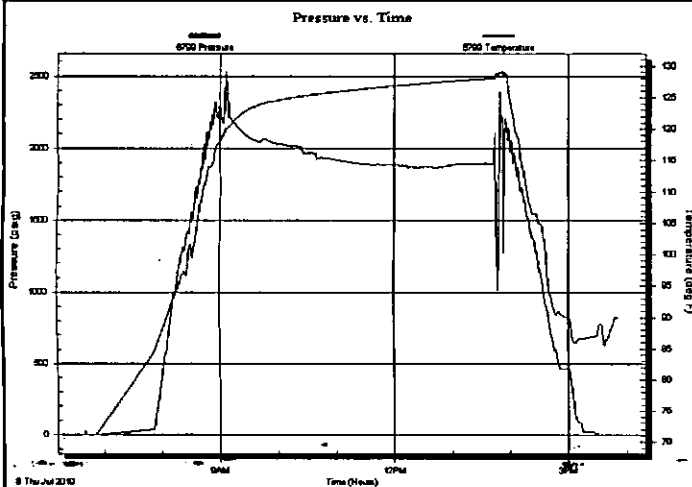
12-34s-9w-HARPER-KS
Job Ticket: 36972 **DST#: 4**
Test Start: 2010.07.08 @ 06:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle
 Time Tool Opened: 09:08:50
 Tester: Jake Fahrenbruch
 Time Test Ended: 15:50:40
 Unit No: 43
 Interval: 4678.00 ft (KB) To 4750.00 ft (KB) (TVD)
 Reference Elevations: 1340.00 ft (KB)
 Total Depth: 4913.00 ft (KB) (TVD)
 1329.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 11.00 ft

Serial #: 6799 Below (Straddle)
 Press@RunDepth: psig @ 4784.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.08 End Date: 2010.07.08 Last Calib.: 2010.07.08
 Start Time: 06:40:05 End Time: 15:52:40 Time On Btmr
 Time Off Btmr

TEST COMMENT: IF: Weak blow, built to 4" in bucket.
 IS: Bled off, no blow back.
 FF: Weak blow, built to 4.5" in bucket.
 FS: Bled off, no blow back.



PRESSURE SUMMARY

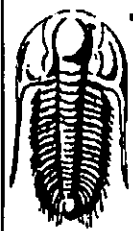
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	WM 30%w 70%m	0.99
40.00	SWCM %5w 95%m	0.56
0.00	No GIP	0.00
0.00	27,500 ppm chl	0.00

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36972 **DST#: 4**
Test Start: 2010.07.08 @ 06:40:00

Mud and Cushion Information

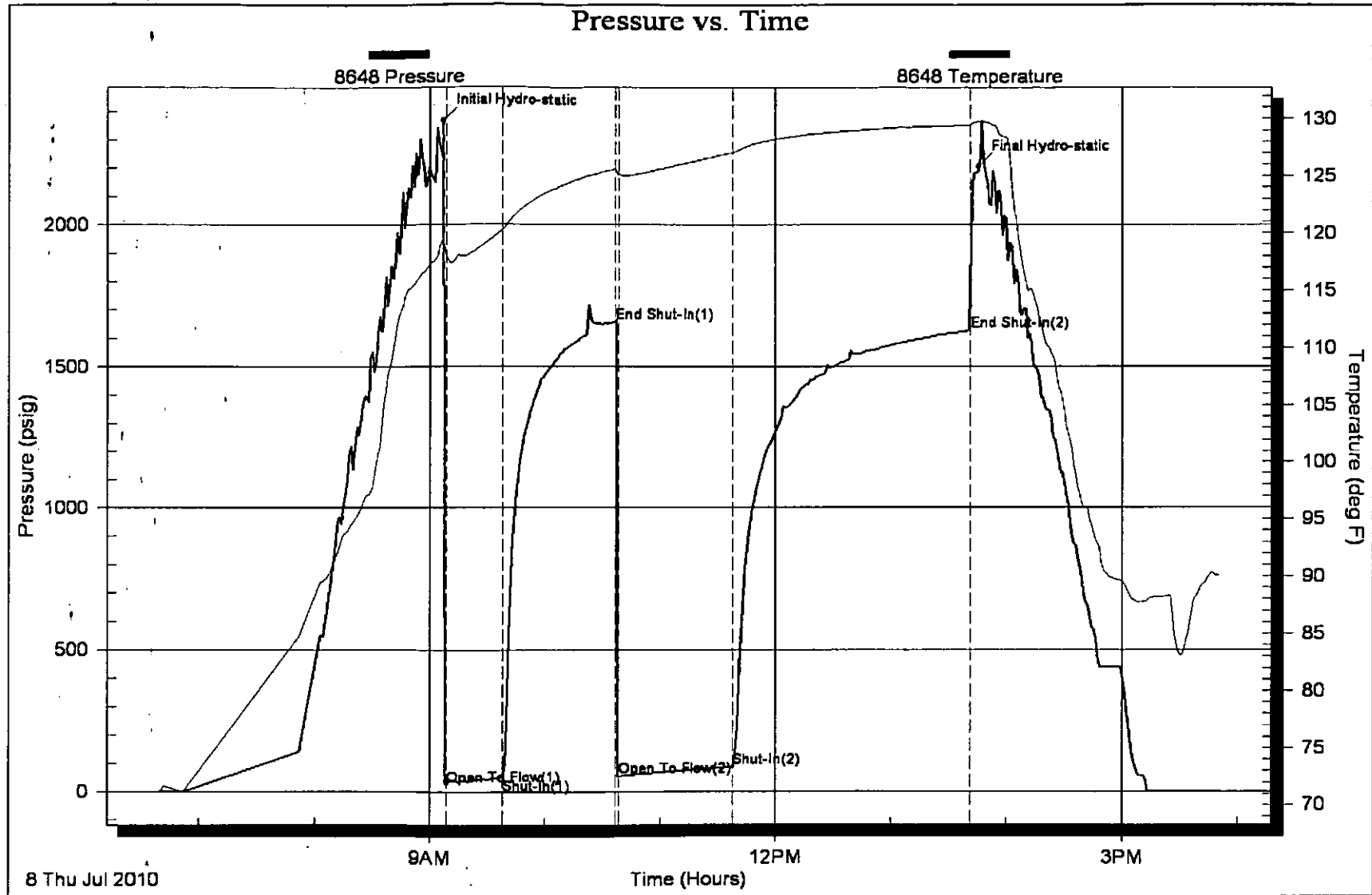
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27500 ppm	
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.47 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: inches			

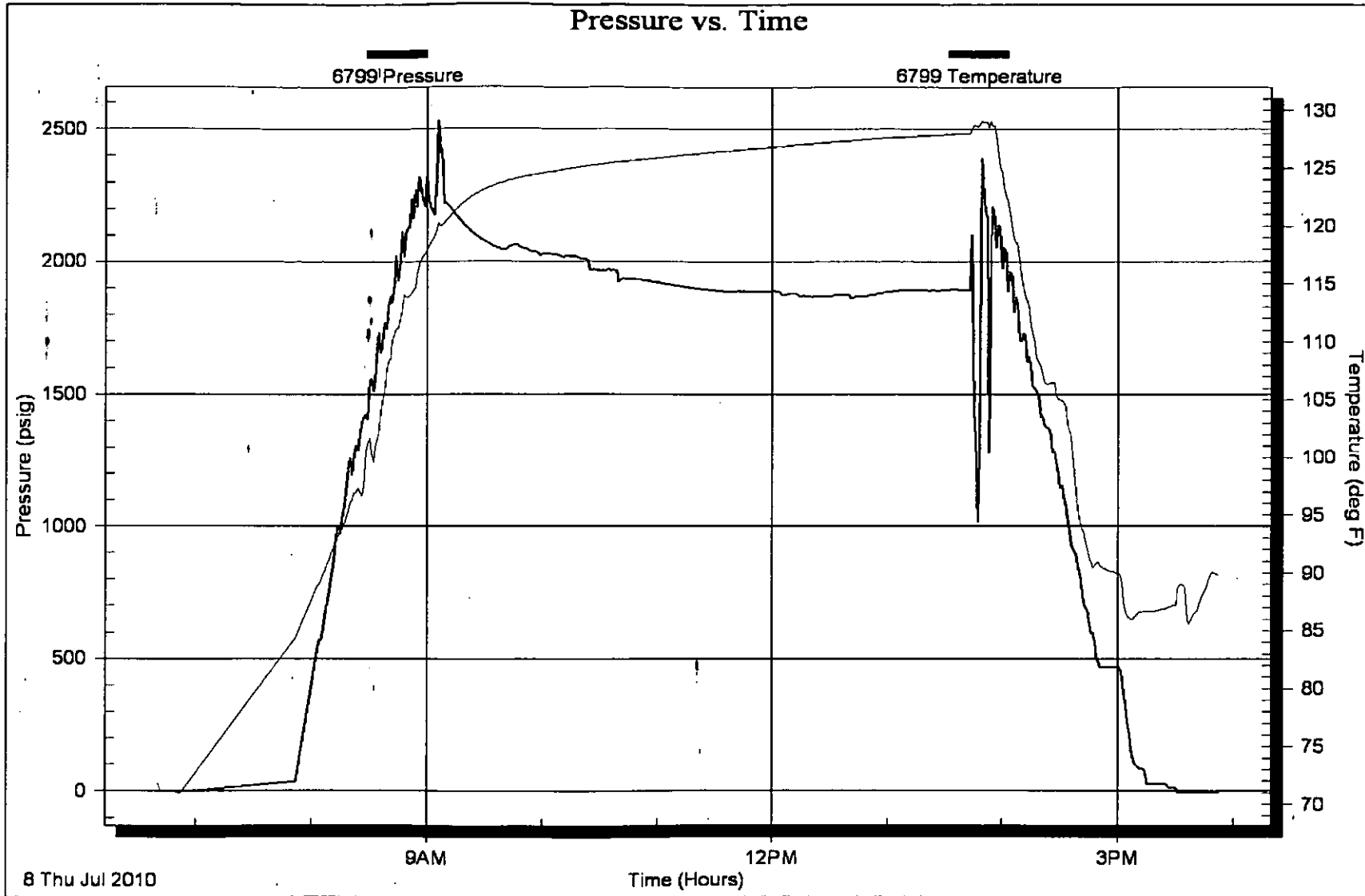
Recovery Information

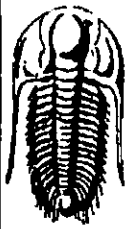
Recovery Table

Length ft	Description	Volume bbl
90.00	WM 30%w 70%m	0.989
40.00	SWCM %5w 95%m	0.561
0.00	No GIP	0.000
0.00	27,500 ppm chl	0.000

Total Length: 130.00 ft Total Volume: 1.550 bbl
 Num Fluid Samples: 0 Num Gas Borris: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







**TRILOBITE
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DRILL STEM TEST REPORT

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS

Job Ticket: 36973

DST#: 5

Test Start: 2010.07.09 @ 12:02:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:40:00

Time Test Ended: 20:18:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4768.00 ft (KB) To 4913.00 ft (KB) (TVD)**

Reference Elevations: 1340.00 ft (KB)

Total Depth: 4913.00 ft (KB) (TVD)

1329.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8648

Inside

Press@RunDepth: 253.77 psig @ 4769.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.09

End Date:

2010.07.09

Last Calib.:

2010.07.09

Start Time: 12:02:05

End Time:

20:18:29

Time On Btm:

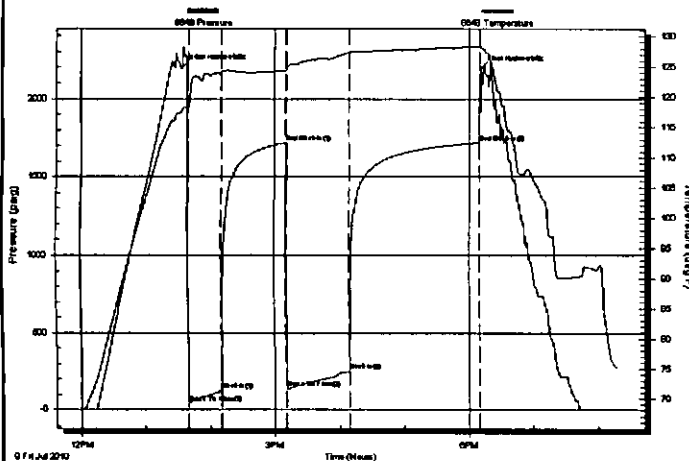
2010.07.09 @ 13:34:10

Time Off Btm:

2010.07.09 @ 18:11:00

TEST COMMENT: IF: Fair blow, built to BOB in 24 minutes.
 IS: Bled off, no blow back.
 FF: Fair blow, built to BOB in 41 minutes.
 FSt: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.40	117.55	Initial Hydro-static
6	46.06	117.97	Open To Flow (1)
37	130.62	124.06	Shut-In(1)
96	1718.25	124.45	End Shut-In(1)
97	140.19	124.72	Open To Flow (2)
155	253.77	127.34	Shut-In(2)
276	1719.37	128.30	End Shut-In(2)
277	2191.39	128.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	SMCW 15% m 85% w	3.65
110.00	MW 50% m 50% w	1.54
100.00	Drilling Mud 100% m	1.40
0.00	54,000 ppm chlorides	0.00
0.00	No Oil Show	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co. LLC.

HUGHBANKS #1

125 N. Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Bill Klaver

12-34s-9w-HARPER-KS
Job Ticket: 36973 **DST#: 5**
Test Start: 2010.07.09 @ 12:02:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	12.46 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	11000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

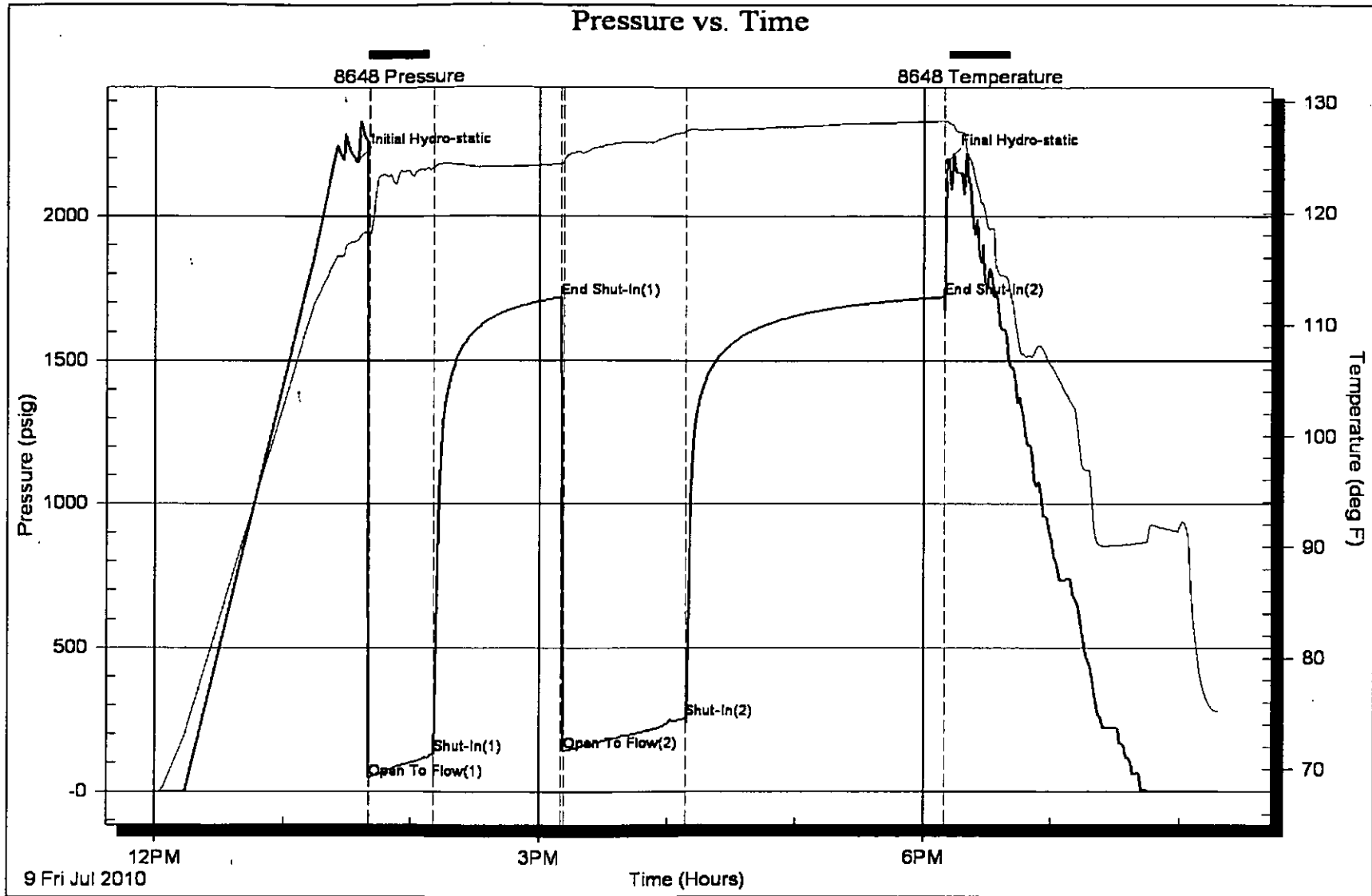
Length ft	Description	Volume bbl
280.00	SMCW 15%m 85%w	3.654
110.00	MW 50%m 50%w	1.543
100.00	Drilling Mud 100%m	1.403
0.00	54,000 ppm chlorides	0.000
0.00	No Oil Show	0.000

Total Length: 490.00 ft Total Volume: 6.600 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





WOOLSEY OPERATING COMPANY, LLC

125 NORTH MARKET, SUITE 1000, WICHITA, KANSAS 67202-1775 (316) 267-4379

FAX (316) 267-4383

January 24, 2011

Mr. Steve Bond
Kansas Corporation Commission
130 S Market
Rm 2078
Wichita KS 67202

RE: **HUGHBANKS 1**
Section 12-34-9W
Harper County, Kansas
API# 15-077-21685 0000

Tight Hole Status Requested for Two Years

Enclosed please find our ACO-1 Well History form completed, in triplicate, for the above referenced well. Copies of the cement tickets, drill stem test report, geologist's report and Cement Bond log are attached to the original. The electric logs were submitted electronically.

This letter is to request all information be kept confidential for the maximum period of two years, per rule 82-3-107. A 60-day extension was requested to extend the 120-day time frame for tight hole status. The ACO-1 was submitted within 60 days via KOLAR, only to be returned due KOLAR not being set up to honor 60-day extensions. KOLAR requested the form be re-submitted not later than today, January 24 (copy attached). Please accept this as a timely submittal per this chain of events.

Should you require any additional information, please let us know.

Yours very truly,

Debra K. Clingan
Production Assistant

/dkc
Enclosures

RECEIVED

JAN 24 2011

KCC WICHITA