



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
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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: _____



1087534

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	Kriley 'B' 5
Doc ID	1087534

Tops

Name	Top	Datum
Anhydrite	1160	+611
Base Anhydrite	1188	+583
Topeka	2698	-927
Heebner	2914	-1143
Lansing	2953	-1182
Base Kansas City	3186	-1415
Arbuckle	3272	-1501
RTD	3306	-1535

HESS OIL COMPANY

225 N. Market, Suite 300

Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

KRILEY #B - 5

2190' FSL, 750' FWL of

SECTION 20 - 7S - 17W

ROOKS COUNTY, KANSAS

Commenced:	6-2-12	Elevations:	1766' GR, 1771' KB
Completed:	6-10-12	Surface Pipe:	8-5/8" @ 1186' KB
Contractor:	Mallard J.V.	Production Pipe:	none

One foot drilling time was kept from 1140 to 1200' KB and from 2600' to RTD. Ten foot drilling samples were kept from 2900' to rotary total depth.

Following are sample tops, descriptions of zones of interest (including all shows of oil & gas), and the results of all drill stem tests.

<u>ANHYDRITE</u>	<u>1160</u>	<u>(+611)</u>
<u>BASE ANHYDRITE</u>	<u>1188</u>	<u>(+583)</u>
<u>TOPEKA</u>	<u>2698</u>	<u>(-927)</u>
<u>HEEBNER</u>	<u>2914</u>	<u>(-1143)</u>
<u>LANSING</u>	<u>2953</u>	<u>(-1182)</u>

2953-61' KB

White, very finely crystalline, slightly chalky, limestone. Very slight shows of free oil in very poor intercrystalline porosity, no odor, slight stain, and a very slight cut.

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Kriley B-5
Page 2

Lansing (cont.)

3054-62' KB Cream, finely crystalline, limestone. Fair to good show of free oil in poor intercrystalline porosity, Fair odor, fair stain, and a good cut.

3120-36' KB Cream, very fine to finely crystalline, limestone. Slight shows of free oil throughout interval -- no developed zone. no odor, slight stain, and slight cuts.

DRILL STEM TEST #1 3050 to 3154' KB 104' Anchor

Blow: Weak surface blow. 2nd --- weak surface blow.

Times: Open 45, Closed 45, Open 45, Closed 45.

Recovered: 130' Mud cut SW with slight oil specks.

Pressures: IH 1438# IF 15 - 54# ISIP 324#
FH 1420# FF 56 - 81# FSIP 289#

BASE KANSAS CITY 3186 (-1415)

3191-95' KB Cream to tan, very finely crystalline, slightly chalky, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, slight stain, and a slight cut.

False Arbuckle Top -- 3244 (-1473)

3244-50' KB Fair show of free oil in White, very fine to finely crystalline, dense, (dolomitic) Limestone. No odor, fair stain, and a fair cut.
(5% rocks w/show --- 95% White & tite !!)

3250-56' KB Weak shows of free oil in White, finely crystalline, dense, dolomite. Tite !

3257-72' KB White, very fine to finely crystalline, dense, dolomitic, limestone. Weak shows of free oil in interval, no odor, fair stain, and a fair cut.
Picked up a lot of red shales !!

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Kriley #B - 5

Page 4

3296 - 3306' KB

Brown, fine to medium crystalline, dense, dolomite. Fair show of free oil in fair "vuggy" and intercrystalline porosity, slight odor, fair show, and a fair cut. Lots of solid pcs with no show / no porosity !?!

DRILL STEM TEST #5

3294 to 3306' KB

12' Anchor

Blow: Weak surface blow -- died in 2 min.

Times: OPen 30, Closed 30, Open 0, Closed 0.

Recovered: 2' Mud w/oil specks.

Pressures: IH 1598# IF 11 - 13# ISIP 688#
FH 1571# FF --- FSIP ---

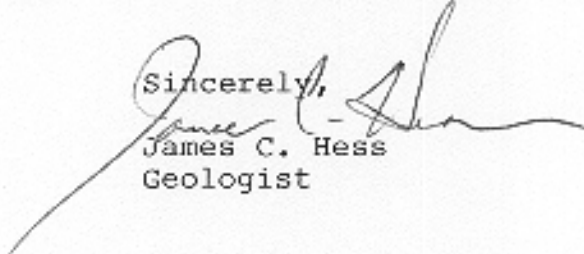
ROTARY TOTAL DEPTH

3306 (-1535)

It was decided to quit drilling and testing as we were 5' lower than the lowest TD of any completed well. Only the slight shows of the Lansing "A" zone were not tested. All other shows were covered in DSTs 1 - 5.

Since this was the 5th hole on 40 Acres -- it was also decided that no logs would be needed. The Kriley #B-5 was plugged on 6-10-12. Racks had to be brought out to set aside the 98 jts of 5½" casing that was ready to be run.

Sincerely,


James C. Hess
Geologist

H·E·S·S



O·I·L

C·O

HESS OIL COMPANY

P.O. Box 1009

McPherson, KS 67460-1009

GEOLOGIST'S REPORT

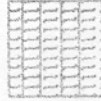




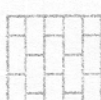



DRILLING TIME AND SAMPLE LOG

COMPANY <u>HESS OIL COMPANY</u>	ELEVATIONS
LEASE <u>KRILEY *B - 5</u>	KB <u>1771'</u>
FIELD <u>RIFFE</u>	DF <u>1769'</u>
LOCATION <u>2190' FSL, 750' FWL</u>	GL <u>1766'</u>
SEC <u>20</u> TWSP <u>7 S</u> RGE <u>17 W</u>	Measurements Are All From <u>KB</u>
COUNTY <u>ROOKS</u> STATE <u>KANSAS</u>	
CONTRACTOR <u>MALLARD J.V.</u>	CASING SURFACE <u>80' COND.</u>
SPUD <u>6-2-12</u> COMP <u>6-10-12</u>	PRODUCTION <u>5-1/2"</u>
RTD <u>3306'</u> LTD <u>none</u>	ELECTRICAL SURVEYS DUAL INDUCTION, POROSITY, & MICRO.
MUD UP <u>300'</u> TYPE MUD <u>CHEMICAL</u>	
SAMPLES SAVED FROM <u>2900'</u> TO <u>TD</u>	
DRILLING TIME KEPT FROM <u>2600'</u> TO <u>TD</u>	
SAMPLES EXAMINED FROM <u>2900'</u> TO <u>TD</u>	
GEOLOGICAL SUPERVISION FROM <u>2550'</u> TO <u>TD</u>	
GEOLOGIST ON WELL _____	

FORMATION TOPS	LOG	SAMPLES		
ANHYDRITE		1160 (+611)	17 W	
BASE ANHYDRITE		1188 (+583)		
TOPEKA		2698 (-927)		
HEEBNER		2914 (-1143)		
LANSING		2953 (-1182)		
ARBUCKLE		3272 (-1501)		
R T D		3306 (-1535)	+	20 S

REMARKS STRAP 3.31' SHORT TO BOARD

LEGEND

- 
 Anhydrite
- 
 Salt
- 
 Sandstone
- 
 Shale
- 
 Carb sh
- 
 Limestone
- 
 Ool. Lime
- 
 Chert
- 
 Dolomite

SCALE " = 100'

LOG 7703

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
	0	1140		
	5	60		ANHYDRITE 1160 (+611)
	8	80		8-5/8" at 1186"
	12	1200		BASE KANS ANHYDRITE
	15			
	20	2600		

TOPEKA 2698 (-927)

2600

20

40

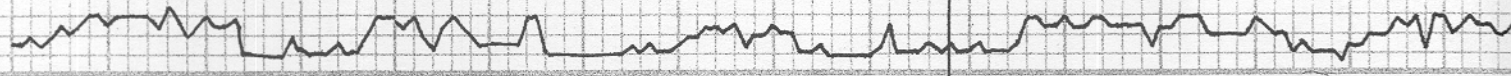
60

80

2700

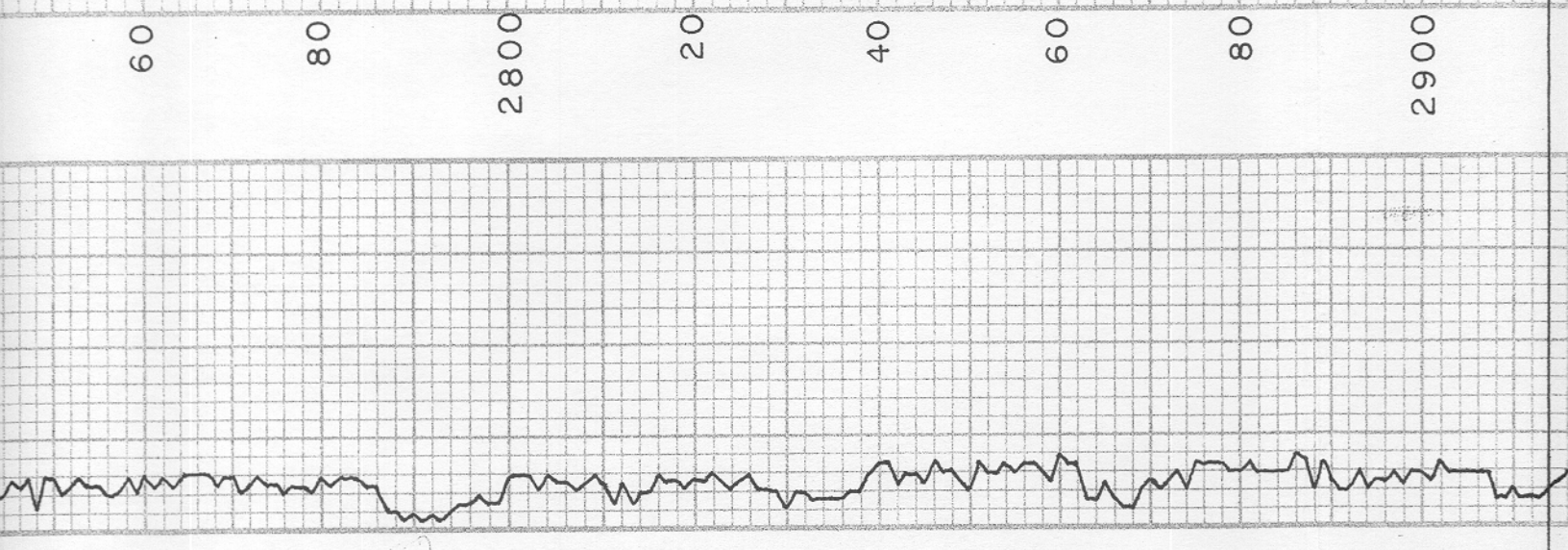
20

40



6cm - TAN U.F. x 1/2 in of chalky Lm
w/ pe's w/ chalky Lm
Same green & red sh's

B1 carb sh's



HEEBNER 2914 (-1143)

CGM - TAN VFxM sl chalky LM
w/ PE'S WT CHALKY LM
Some green & red sh's

Bl Carb. sh's

WT - TAN VFxM sl chalky LM
w/ some WT chalky LM
Some green & red sh's

AA w/ more sh's NO δ
NO show

WT - TAN VF-FxM LM
w/ PE'S WT CHALKY LM
Some green & red sh's

AA w/ more WT chalky LM
NO δ
NO show

Vsl shows of free oil in WT VFxM
sl chalky LM r.p. δ No odor

WT - 1/2 TAN VF-FxM DS LM
w/ PE'S WT CHALKY LM
Few green sh's

AA w/ more sh's NO δ
NO show

WT - Green VFxM DS LM
w/ PE'S WT CHALKY LM
Some green sh's

AA w/ less sh's NO δ
NO show

WT VFxM DS LM
w/ PE'S WT CHALKY LM
PE'S WT SHARP Δ
Some green sh's

AA w/ less green sh's
NO δ NO show

WT - GM VF-FxM sl chalky LM
w/ PE'S WT CHALKY LM
Some green sh's

AA w/ more sh's NO δ
NO show

CGM VF-FxM sl chalky LM
PE'S WT CHALKY LM
Some green & red sh's

Egr - Good show of free oil in
CGM FxM LM. Poor interstrat. δ
Fair odor

WT - TAN VFxM DS sl chalky LM
w/ PE'S WT CHALKY LM
Few green & red sh's

LANSING 2953 (-1182)

20

40

60

80

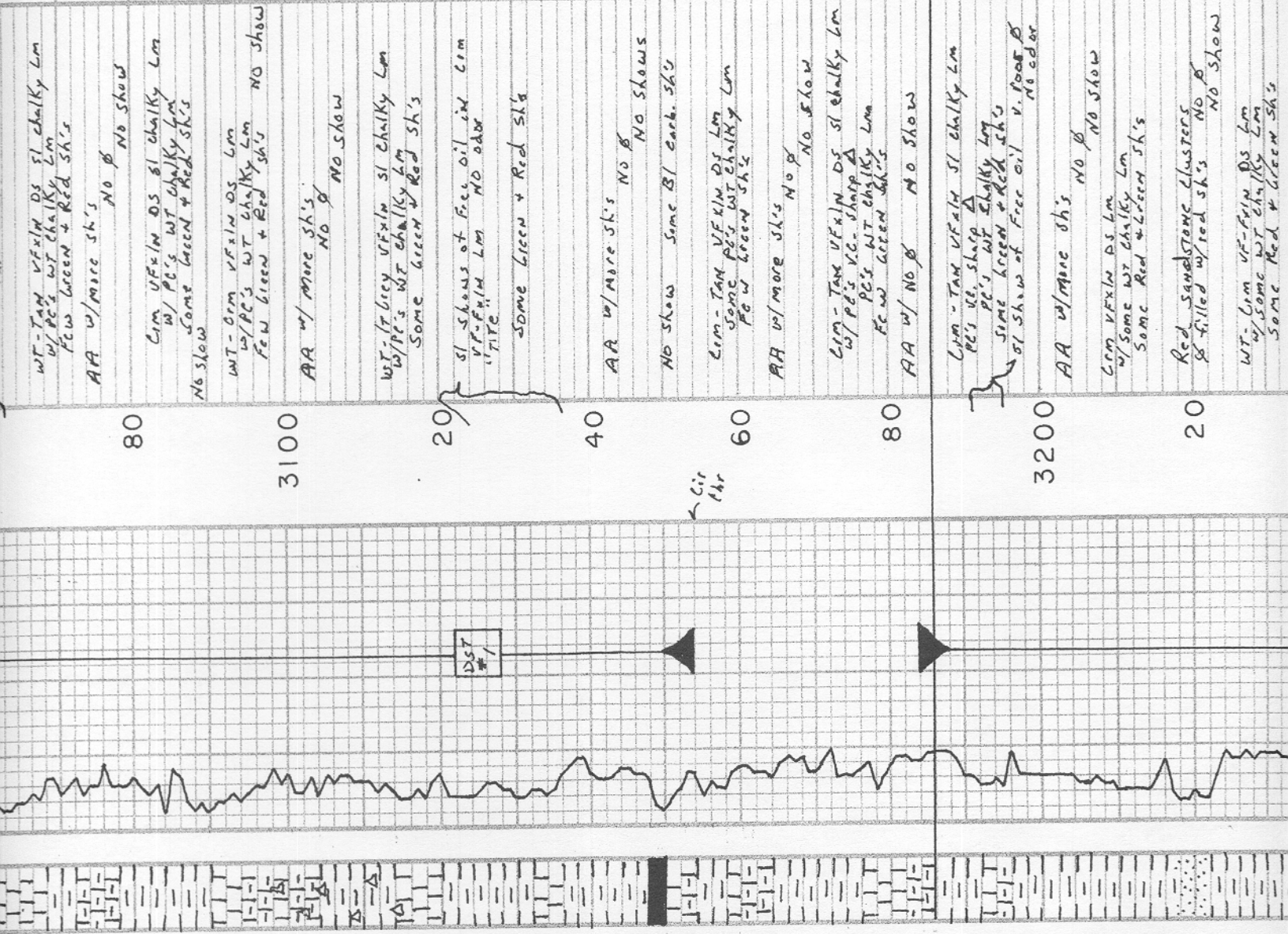
3000

20

40

60





DST #1
3050 - 3154' KB
104' ANCHOR
TIMES:
45 - 45 - 45 - 45
RECOVERED:
130' mesw w/oil specks
PRESSURES:
TH 1438#
FH 1420#
IF 15-54#
FF 56-81#
ISIP 324#
FSIP 289#

BASE KANSAS CITY 3186
(-1415)

WT-TAN VFxIM DS sl chalky Lm
w/PC's WT chalky Lm
FEW GREEN + RED SH'S
AA w/more sh's
NO Ø NO SHOW

Lm VFxIM DS sl chalky Lm
w/PC's WT chalky Lm
Some GREEN + RED SH'S
NO SHOW

WT-GRM VFxIM DS Lm
w/PC's WT chalky Lm
FEW GREEN + RED SH'S NO SHOW

AA w/more sh's
NO Ø NO SHOW

WT-ITBRY VFxIM sl chalky Lm
w/PC's WT chalky Lm
Some GREEN + RED SH'S

sl shows of Free oil in Lm
VFxIM Lm NO odor
TITE
Some GREEN + RED SH'S

AA w/more sh's NO Ø NO SHOWS

NO SHOW Some B1 each. SHU

Lm-TAN VFxIM DS Lm
Some PC's WT chalky Lm
FEW GREEN SH'S

AA w/more sh's NO Ø NO SHOW

Lm-TAN VFxIM DS sl chalky Lm
w/PC's VC-sharp Δ
PC's WT chalky Lm
FEW GREEN SH'S

AA w/NO Ø NO SHOW

Lm-TAN VFxIM sl chalky Lm
PC's VC-sharp Δ
Some PC's WT chalky Lm
Some GREEN + RED SH'S
sl show of Free oil v. poor Ø
NO odor

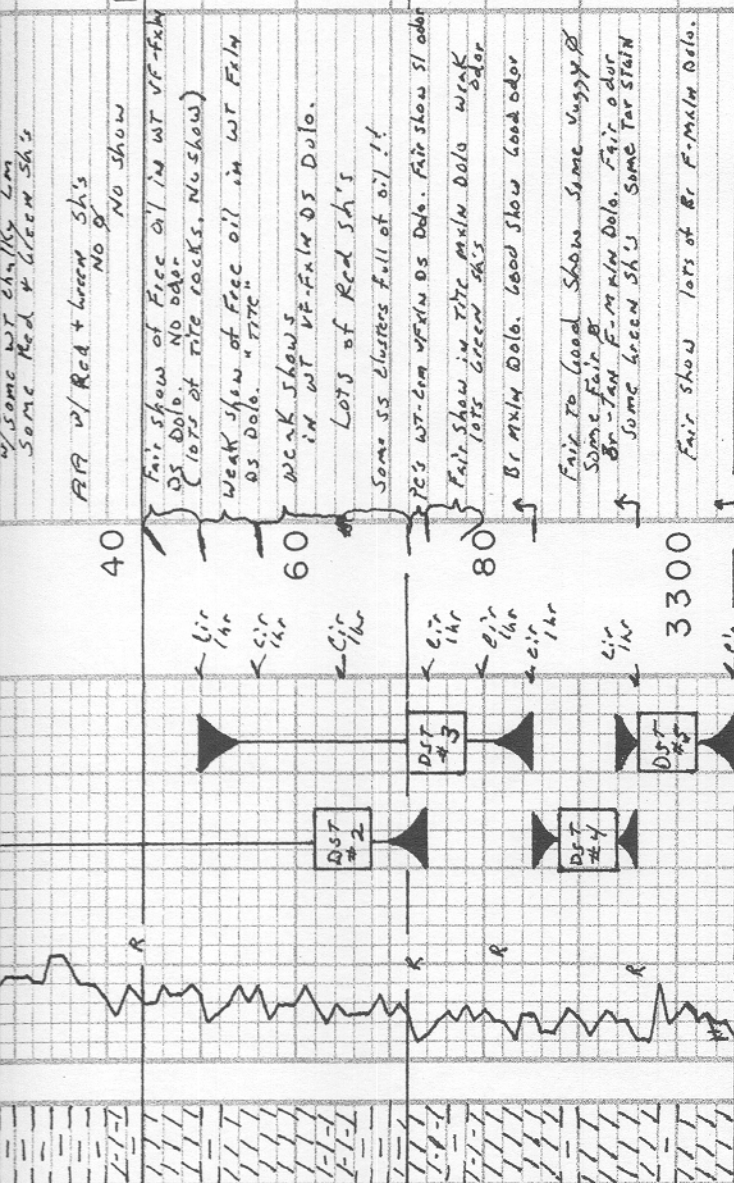
AA w/more sh's NO Ø NO SHOW

Lm VFxIM DS Lm
w/Some WT chalky Lm
Some Red + Green SH'S

Red sandstone clusters
Ø-filled w/red sh's NO Ø NO SHOW

WT-GRM VF-FRM DS Lm
w/Some WT chalky Lm
Some Red + Green SH'S

← Cir thr



FALSE ARB. TOP !?

ARBUCKLE 3272 (-1501)

DST #2
 3184-3274' KB
 90' ANCHOR
 TIMES:
 30-30-0-0
 RECOVERED:
 5' m w/oil specks
 PRESSURES:
 IH 1537#
 FH 1508#
 IF 17-22#
 FF ---
 ISIP 489#
 FSIP ---

RTD
 3306
 (-1535)

DST #3
 3250-3285' KB
 35' ANCHOR
 TIMES:
 30-30-0-0
 RECOVERED:
 10' m w/oil specks
 PRESSURES:
 IH 1572#
 FH 1549#

Some Red + Green sh's
 No g
 No show
 Fair show of fine oil in wt v-film
 as Dolo. No odor
 (lots of tile rocks, no show)
 Weak show of fine oil in wt film
 as Dolo. "TTC"
 Weak shows
 in wt v-f-film as Dolo.
 Lots of Red sh's
 Some ss clusters full of oil!
 Fair show of fine oil in wt v-film as Dolo. Fair show of odor
 Fair show in the max in Dolo weak
 odor
 lots Green sh's
 Br max in Dolo. Good show good odor
 Fair to good show some vuggy
 Some fair Br
 Br-film F-max in Dolo. Fair odor
 Some green sh's some tar stain
 Fair show lots of Br F-max in Dolo.

DST #2

DST #3

DST #4

DST #5

10' m w/oil specks
PRESSURES:
IH 1573#
FH 1549#
IF 13-21#
FF ---
ISIP 614#
FSIP ---

3400

20

40

60

80

DST *4
3285 - 3296' KB
11' ANCHOR
TIMES:
30-30-0-0
RECOVERED:
3' m w/oil specks
PRESSURES:
IH 1621#
FH 1575#
IF 14-15#
FF ---
ISIP 643#
FSIP ---

DST *5
3298 - 3306' KB
12' ANCHOR
TIMES:
30-30-0-0
RECOVERED:
3' m w/oil specks
PRESSURES:
IH 1598#
FH 1571#
IF 11-13#
FF ---
ISIP 688#
FSIP ---

3500

ALLIED OIL & GAS SERVICES, LLC 053549

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>6-4-12</u>	SEC. <u>20</u>	TWP. <u>7</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Kriley 'B'</u>	WELL # <u>5</u>	LOCATION <u>Stockton, KS 1/2 north</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		1/2 east, 1/2 north, 1/4 east, south into					

CONTRACTOR Wallerd OWNER Hess Oil Co.

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 1186

CASING SIZE 8 5/8 DEPTH 1186

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 42.60 ft.

PERFS.

DISPLACEMENT 72.83 BBL.

CEMENT

AMOUNT ORDERED 350 sacks 4 1/2 gal 6% gel 3% cc

1/4 flozeal - 300 sacks Class A

3% cc 2 1/2 gal

COMMON <u>200</u>	@ <u>16.25</u>	<u>3250.00</u>
POZMIX	@	
GEL <u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE <u>18</u>	@ <u>58.20</u>	<u>1047.60</u>
ASC	@	
<u>350 sacks 60/40 + 6%</u>	@ <u>14.50</u>	<u>5075.00</u>
<u>210 sack</u>	@ <u>87</u>	<u>234.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>581.81</u>	@ <u>2.10</u>	<u>1221.80</u>
MILEAGE <u>25.22 x 40%</u>	@ <u>2.35</u>	<u>2,370.68</u>
TOTAL		<u>13,284.08</u>

EQUIPMENT

PUMP TRUCK # 274 CEMENTER Greg R

HELPER Kerry R

BULK TRUCK # 344-185 DRIVER Kevin E

BULK TRUCK # 378 DRIVER Joel M

REMARKS:

See Cement Log!

Plug down @ 11:45 AM

SERVICE

DEPTH OF JOB <u>1186</u>		
PUMP TRUCK CHARGE	<u>1125.00</u>	
EXTRA FOOTAGE <u>686</u>	@ <u>.95</u>	<u>651.20</u>
MILEAGE <u>HVM 40</u>	@ <u>7.00</u>	<u>280.00</u>
MANIFOLD	@	
<u>HVM 40</u>	@ <u>4.00</u>	<u>160.00</u>
	@	
TOTAL		<u>2,216.70</u>

CHARGE TO: Hess Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8" Basket</u>	@ <u>478.00</u>	<u>478.00</u>
<u>Baffle Plate</u>	@ <u>112.00</u>	<u>112.00</u>
<u>Seal Plug</u>	@ <u>112.00</u>	<u>112.00</u>
	@	
	@	
TOTAL		<u>702.00</u>

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 * Mark D. Elsen

SIGNATURE * Mark D. Elsen

Thank You!

SALES TAX (If Any) _____

TOTAL CHARGES 16,202.78

25% DISCOUNT 4,050.62 IF PAID IN 30 DAYS

12,152.08

ALLIED OIL & GAS SERVICES, LLC 056140

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>6/12/12</u>	SEC. <u>20</u>	TWP. <u>7</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00</u>	JOB FINISH <u>1:00</u>
LEASE <u>Kritoy</u>	WELL # <u>B-5</u>		LOCATION <u>Jackson</u>			COUNTY <u>Redd</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Mallard #1</u>	OWNER
TYPE OF JOB <u>Plug</u>	
HOLE SIZE	T.D. <u>3252</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT AMOUNT ORDERED <u>205 6/10 41.6cl</u>		
<u>1/2 # 60w seal</u>		
COMMON <u>120</u>	@ <u>16.25</u>	<u>1950.00</u>
POZMIX <u>85</u>	@ <u>8.50</u>	<u>722.50</u>
GEL <u>7</u>	@ <u>21.25</u>	<u>148.75</u>
CHLORIDE	@	
ASC	@	
<u>Apw seal 50%</u>	@ <u>2.70</u>	<u>135.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>205</u>	@ <u>2.25</u>	<u>461.25</u>
MILEAGE <u>12,505</u>	@ <u>.11</u>	<u>1375.55</u>
		TOTAL <u>4793.05</u>

EQUIPMENT	
PUMP TRUCK # <u>409</u>	CEMENTER <u>Todd Gilman</u> HELPER <u>Tony Pannestiel</u>
BULK TRUCK # <u>410</u>	DRIVER <u>Robert Yakubovich</u>
BULK TRUCK #	DRIVER

REMARKS:

1000' H₂O a 3252, mix 205 cement plug
3300' road treated H₂O at 1100' mixed
205 cement, displaced 1100' H₂O, lost H₂O
at 650' mixed 1000' cleared H₂O, installed
wooden plug at 40' level, mixed cement to
surface, mix 3252 in road H₂O, mixed 1000'
in main H₂O

Thanks!

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>MHV Col</u>	@ <u>7.00</u>	<u>427.00</u>
MANIFOLD	@	
<u>MPLW Col</u>	@ <u>4.50</u>	<u>244.50</u>
<u>APM 2 Hr</u>	@ <u>400.00</u>	<u>800.00</u>
<u>APM 2 Hr</u>	@ <u>NL</u>	<u>NL</u>
		TOTAL <u>2721.50</u>

CHARGE TO: Hess Oil com.
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1/2 # 60w seal</u>	@	<u>64.00</u>
	@	
	@	
	@	
	@	
		TOTAL <u>64.00</u>

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 Justin McDonald
SIGNATURE [Signature]

SALES TAX (If Any) 477.41
TOTAL CHARGES 7,573.05
DISCOUNT 20/50 2129.57 IF PAID IN 30 DAYS
net 5443.48

6-11 BS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47344

DST#: 1

Test Start: 2012.06.07 @ 21:54:05

GENERAL INFORMATION:

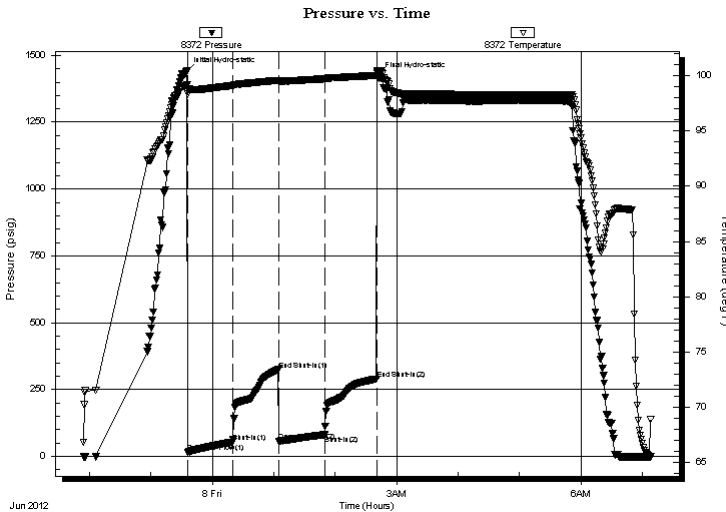
Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:35:40
 Time Test Ended: 07:08:20
 Interval: **3050.00 ft (KB) To 3154.00 ft (KB) (TVD)**
 Total Depth: 3154.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 81.19 psig @ 3055.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.07 End Date: 2012.06.08 Last Calib.: 2012.06.08
 Start Time: 21:54:05 End Time: 07:08:20 Time On Btm: 2012.06.07 @ 23:34:20
 Time Off Btm: 2012.06.08 @ 02:41:20

TEST COMMENT: IF:(45min) Weak surface blow
 IS:(45min) No Return
 FF:(45min) Weak surface blow
 FS:(45min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.43	99.09	Initial Hydro-static
2	15.84	98.30	Open To Flow (1)
46	54.03	99.10	Shut-In(1)
91	324.50	99.55	End Shut-In(1)
91	56.84	99.45	Open To Flow (2)
136	81.19	99.69	Shut-In(2)
186	289.74	99.99	End Shut-In(2)
187	1420.65	100.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MW w / oil slight oil spks in tool	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks
Kriley "B" #5
Job Ticket: 47344 **DST#: 1**
Test Start: 2012.06.07 @ 21:54:05

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:	16000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

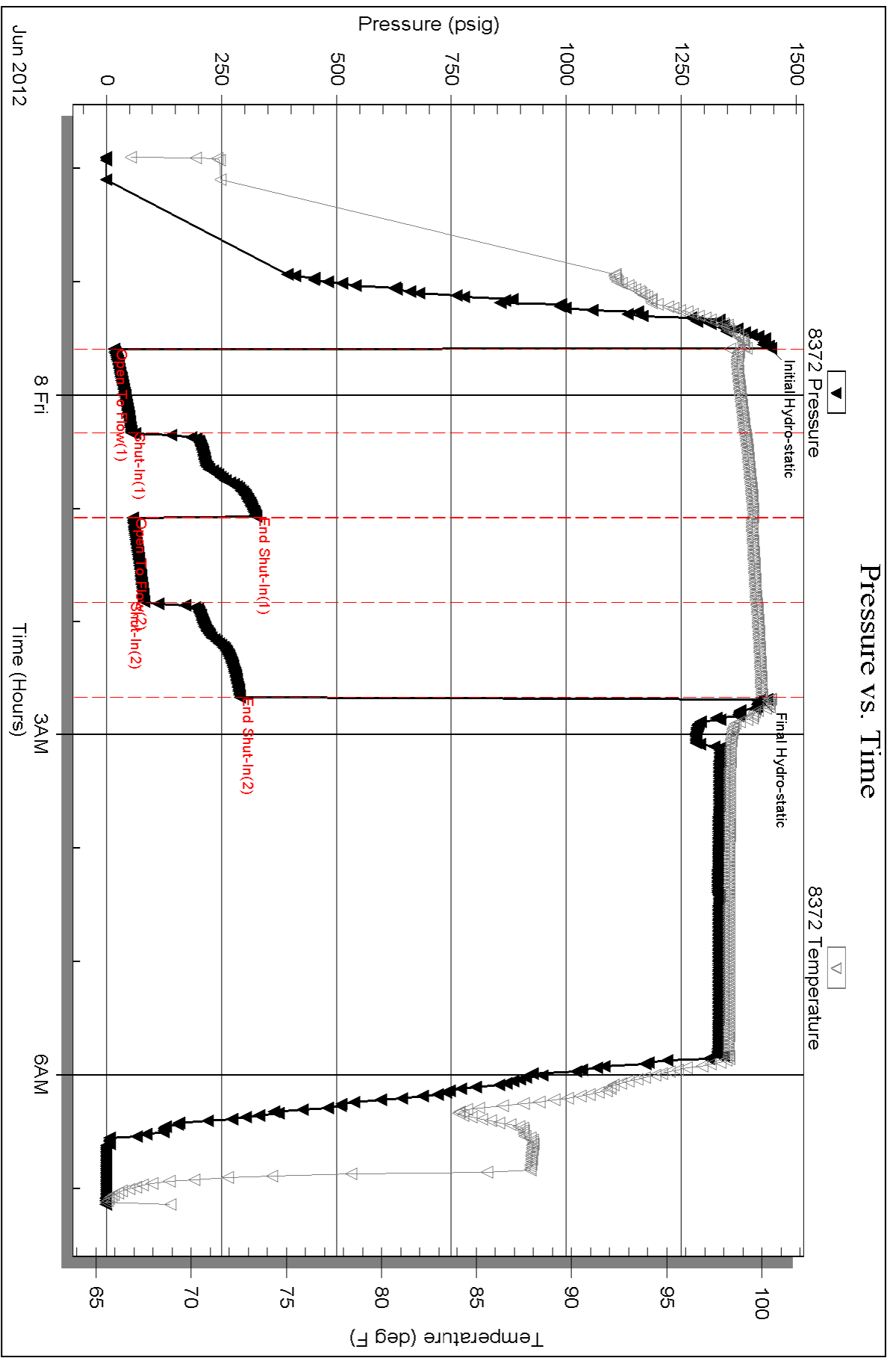
Length ft	Description	Volume bbl
130.00	MW w / oil slight oil spks in tool	0.639

Total Length: 130.00 ft Total Volume: 0.639 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Co
 225 N Market
 STE 300
 Wichita, Ks. 67202
 ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47345

DST#: 2

Test Start: 2012.06.08 @ 20:44:05

GENERAL INFORMATION:

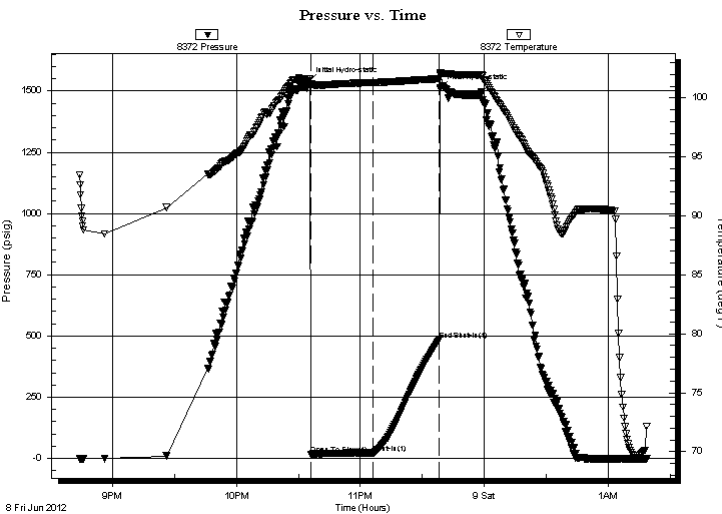
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:36:00
 Time Test Ended: 01:18:39
 Interval: **3184.00 ft (KB) To 3274.00 ft (KB) (TVD)**
 Total Depth: 3274.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372

Outside

Press @ Run Depth: 22.94 psig @ 3189.00 ft (KB)
 Start Date: 2012.06.08 End Date: 2012.06.09
 Start Time: 20:44:05 End Time: 01:18:40
 Capacity: 8000.00 psig
 Last Calib.: 2012.06.09
 Time On Btm: 2012.06.08 @ 22:34:50
 Time Off Btm: 2012.06.08 @ 23:38:30

TEST COMMENT: IF:(30min) Surface blow, died in 1 min.
 IS:(30min) No Return Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1537.13	101.61	Initial Hydro-static
2	17.65	100.98	Open To Flow (1)
32	22.94	101.31	Shut-In(1)
64	484.73	101.63	End Shut-In(1)
64	1508.51	102.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spks in tool	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks
Kriley "B" #5
Job Ticket: 47345 **DST#: 2**
Test Start: 2012.06.08 @ 20:44:05

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil spks in tool	0.025

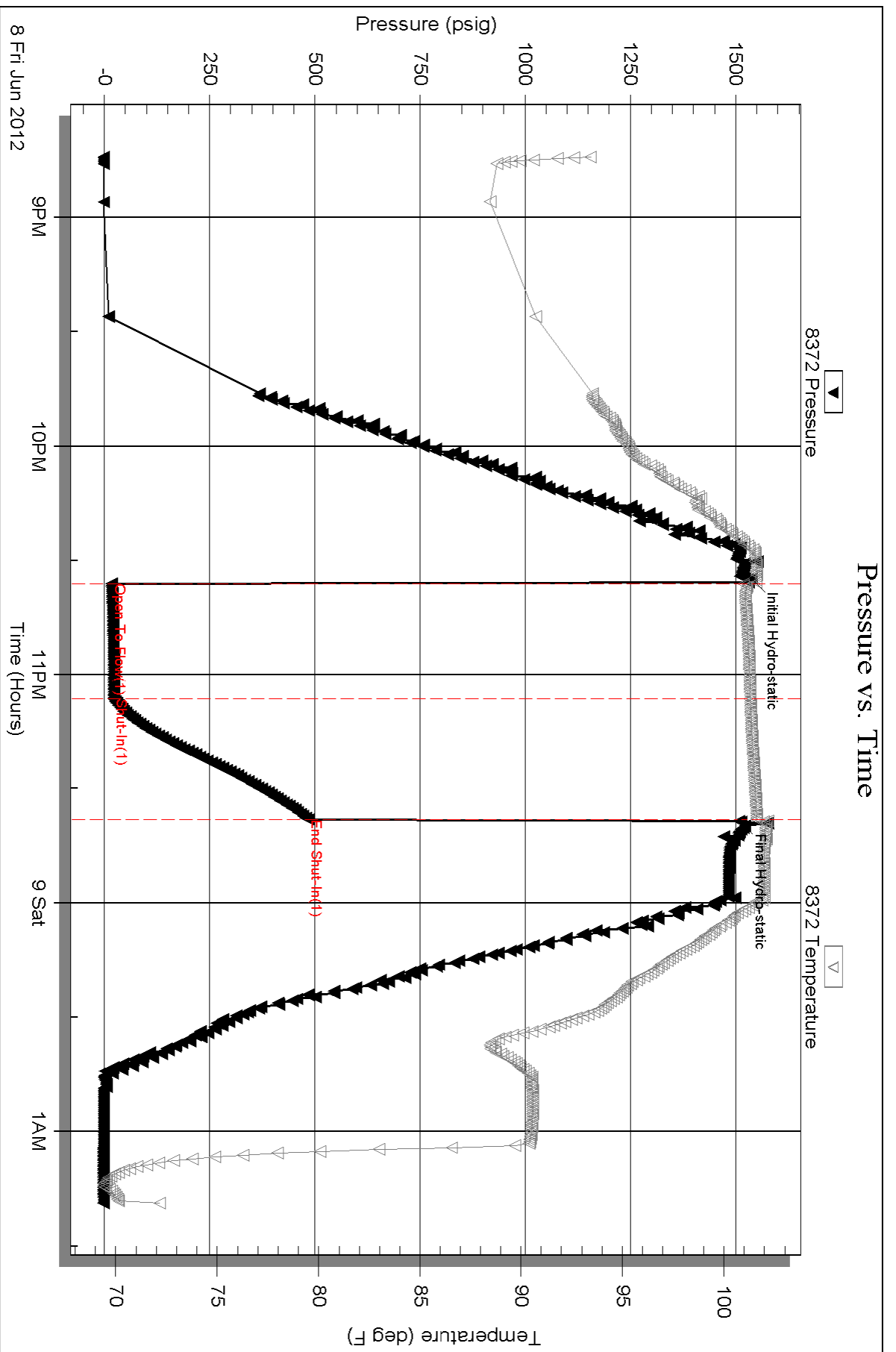
Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8372

Outside Hess Oil Co

Kriley "B" #5

DST Test Number: 2



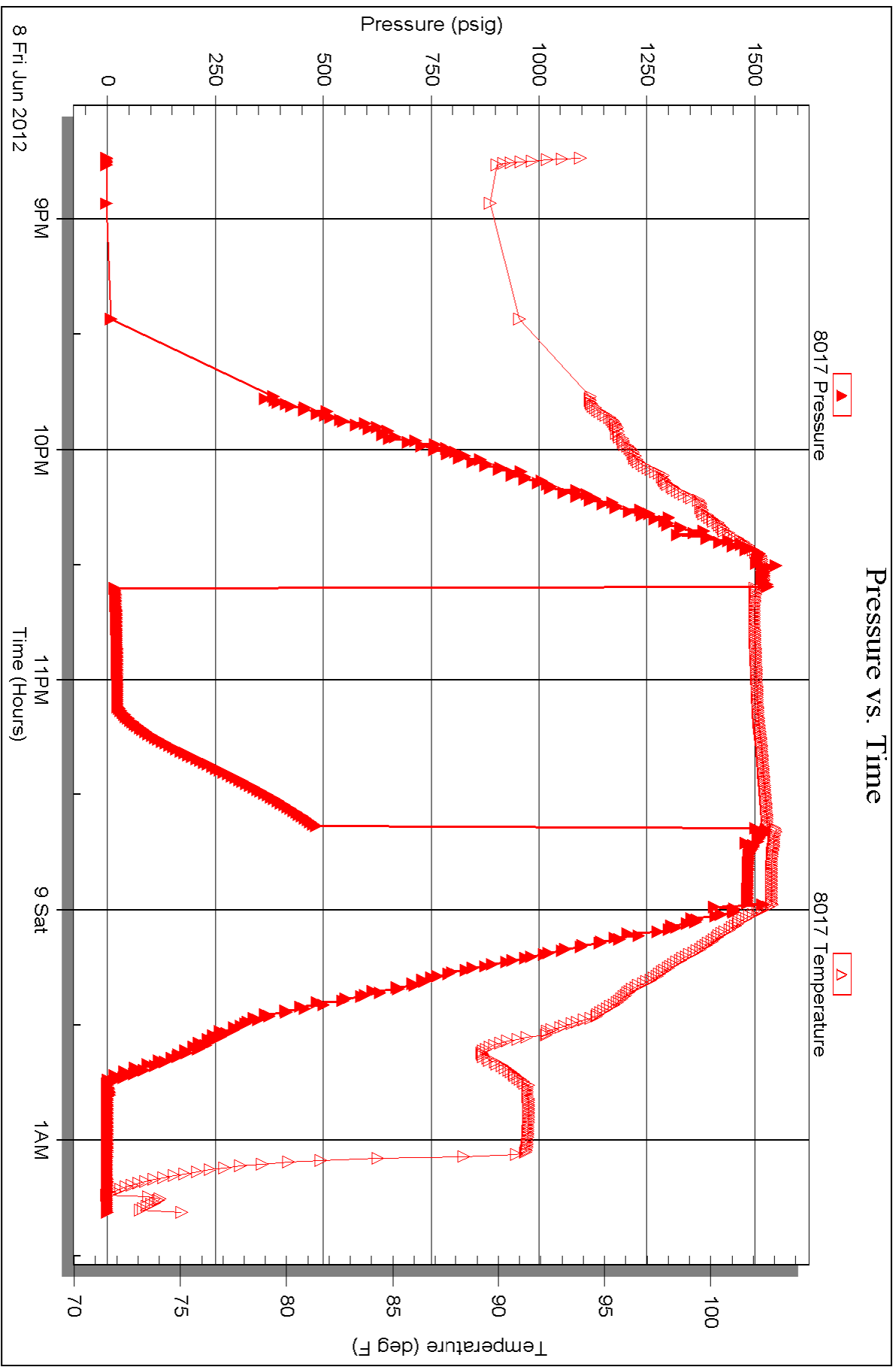
Serial #: 8017

Inside

Hess Oil Co

Kriley "B" #5

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47345

Printed: 2012.06.09 @ 06:16:57



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47346

DST#: 3

Test Start: 2012.06.09 @ 09:32:05

GENERAL INFORMATION:

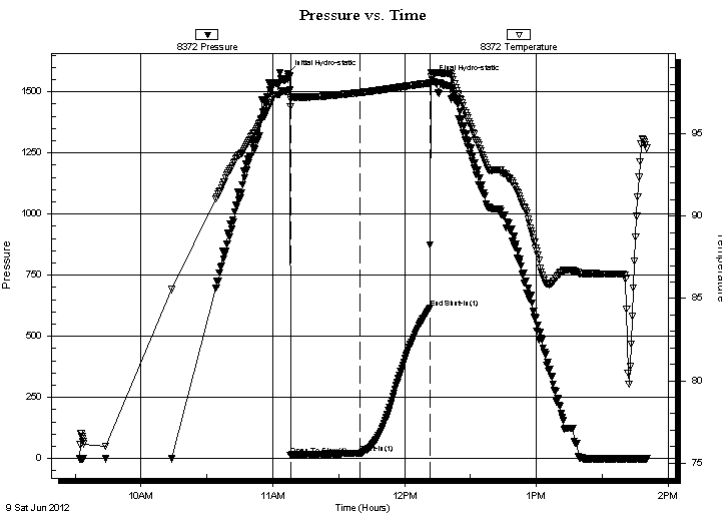
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:00
 Time Test Ended: 13:50:20
 Interval: **3250.00 ft (KB) To 3285.00 ft (KB) (TVD)**
 Total Depth: 3285.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372

Outside

Press @ Run Depth: 21.06 psig @ 3251.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09
 Start Time: 09:32:05 End Time: 13:50:20 Time On Btm: 2012.06.09 @ 11:06:50
 Time Off Btm: 2012.06.09 @ 12:12:30

TEST COMMENT: IF:(30min) Surface blow, died in 5 min.
 IS:(30min) No Return, Pulled Tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.27	97.54	Initial Hydro-static
2	13.78	96.66	Open To Flow (1)
33	21.06	97.50	Shut-In(1)
65	614.89	98.08	End Shut-In(1)
66	1549.51	98.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / oil spks in tool	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Co
 225 N Market
 STE 300
 Wichita, Ks. 67202
 ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47346

DST#: 3

Test Start: 2012.06.09 @ 09:32:05

GENERAL INFORMATION:

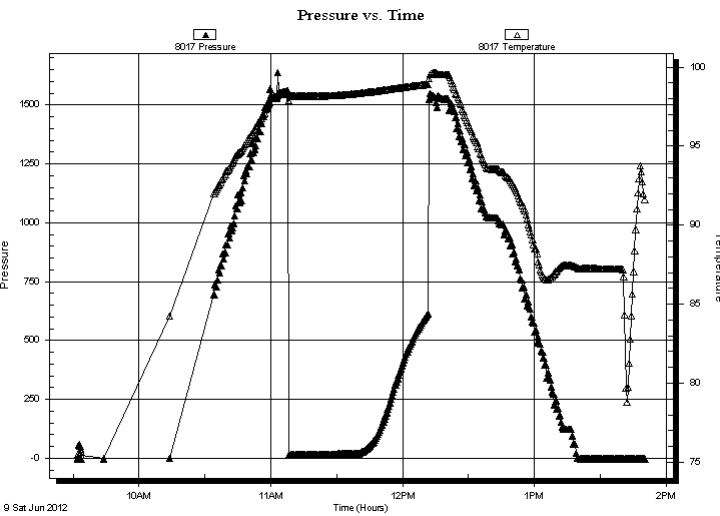
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:00
 Time Test Ended: 13:50:20
 Interval: **3250.00 ft (KB) To 3285.00 ft (KB) (TVD)**
 Total Depth: 3285.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8017

Inside

Press @ Run Depth: psig @ 3251.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09
 Start Time: 09:32:05 End Time: 13:50:20 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:(30min) Surface blow, died in 5 min.
 IS:(30min) No Return, Pulled Tool.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / oil spks in tool	0.05

* Recovery from multiple tests

Gas Rates

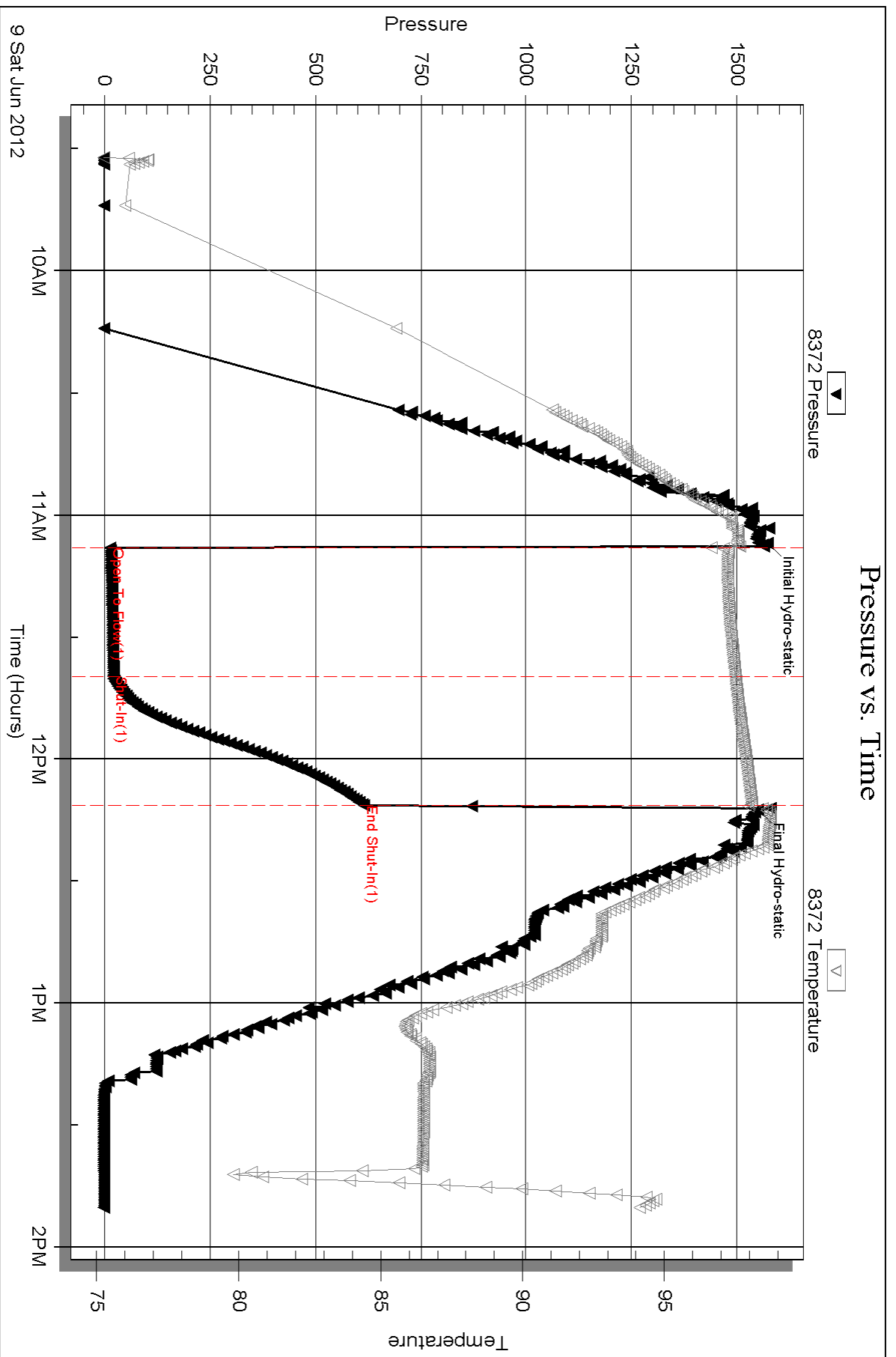
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8372

Outside Hess Oil Co

Kriley "B" #5

DST Test Number: 3



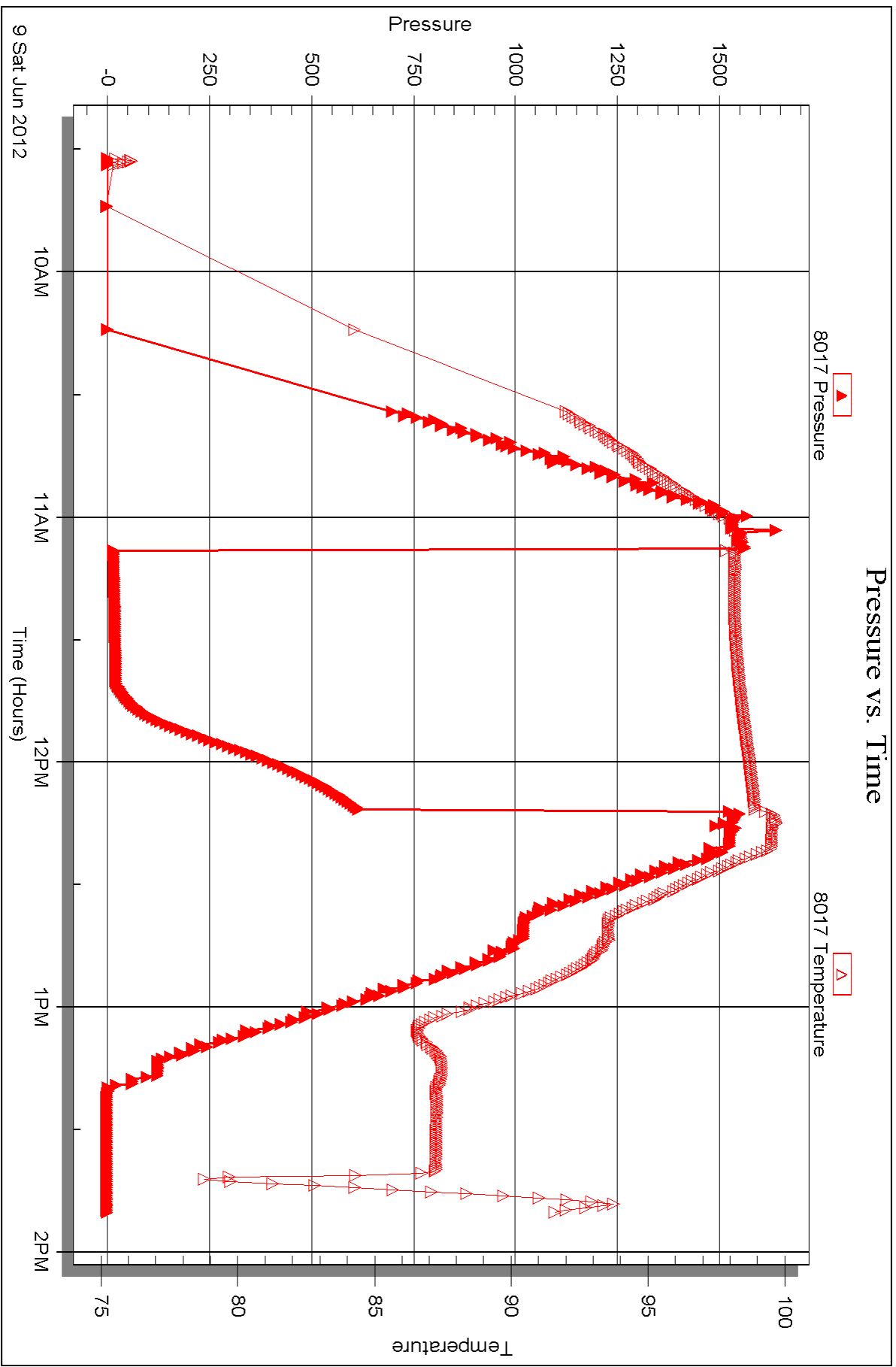
Serial #: 8017

Inside

Hess Oil Co

Kriley "B" #5

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 47346

Printed: 2012.06.09 @ 18:24:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47347

DST#: 4

Test Start: 2012.06.09 @ 18:03:05

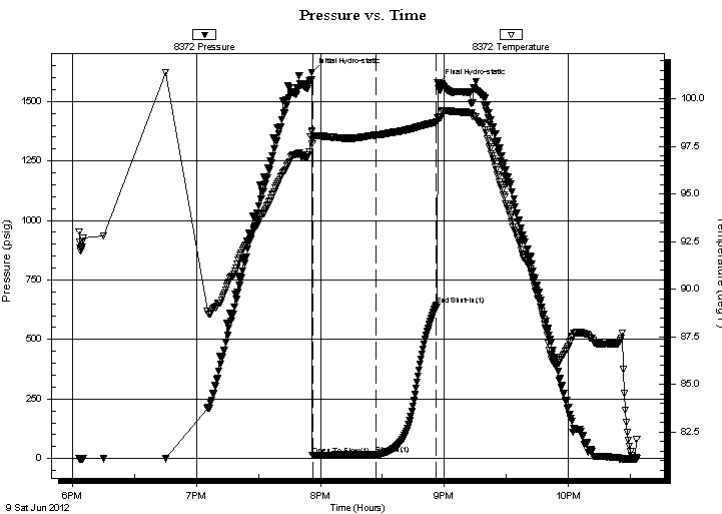
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:56:00
 Time Test Ended: 22:33:29
 Interval: **3285.00 ft (KB) To 3296.00 ft (KB) (TVD)**
 Total Depth: 3296.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 15.90 psig @ 3286.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09
 Start Time: 18:03:05 End Time: 22:33:29 Time On Btm: 2012.06.09 @ 19:55:50
 Time Off Btm: 2012.06.09 @ 20:56:50

TEST COMMENT: IF:(30min) Blow died in 2 min.
 IS:(30min) No Return, Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.74	98.30	Initial Hydro-static
1	14.07	97.65	Open To Flow (1)
32	15.90	98.09	Shut-In(1)
61	643.71	98.76	End Shut-In(1)
61	1575.97	98.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud w / oil spks in tool	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

Hess Oil Co
225 N Market
STE 300
Wichita, Ks. 67202
ATTN: Jamie Hess

20-7s-17w Rooks
Kriley "B" #5
Job Ticket: 47347 **DST#: 4**
Test Start: 2012.06.09 @ 18:03:05

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: inches			

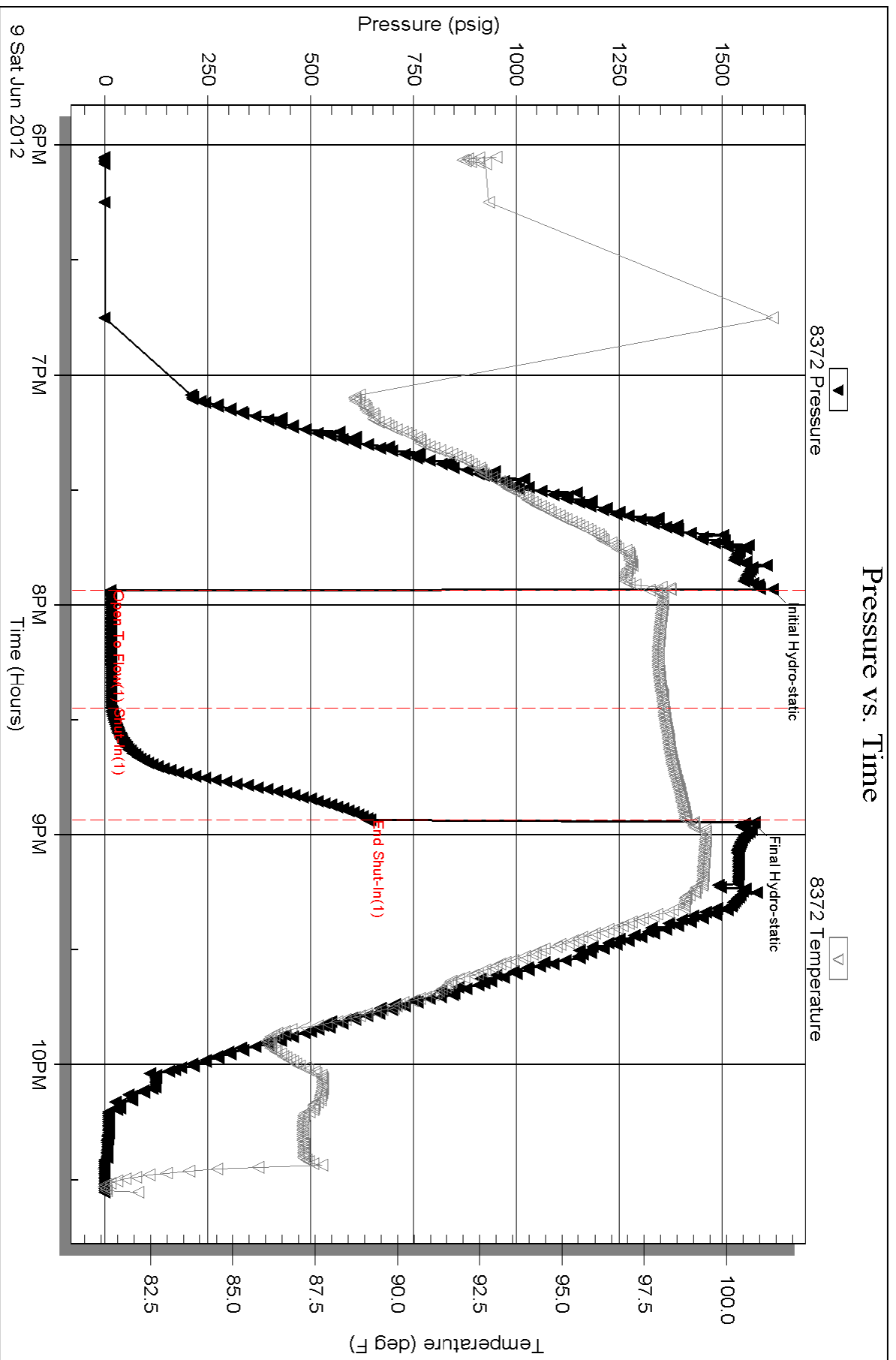
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud w / oil spks in tool	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



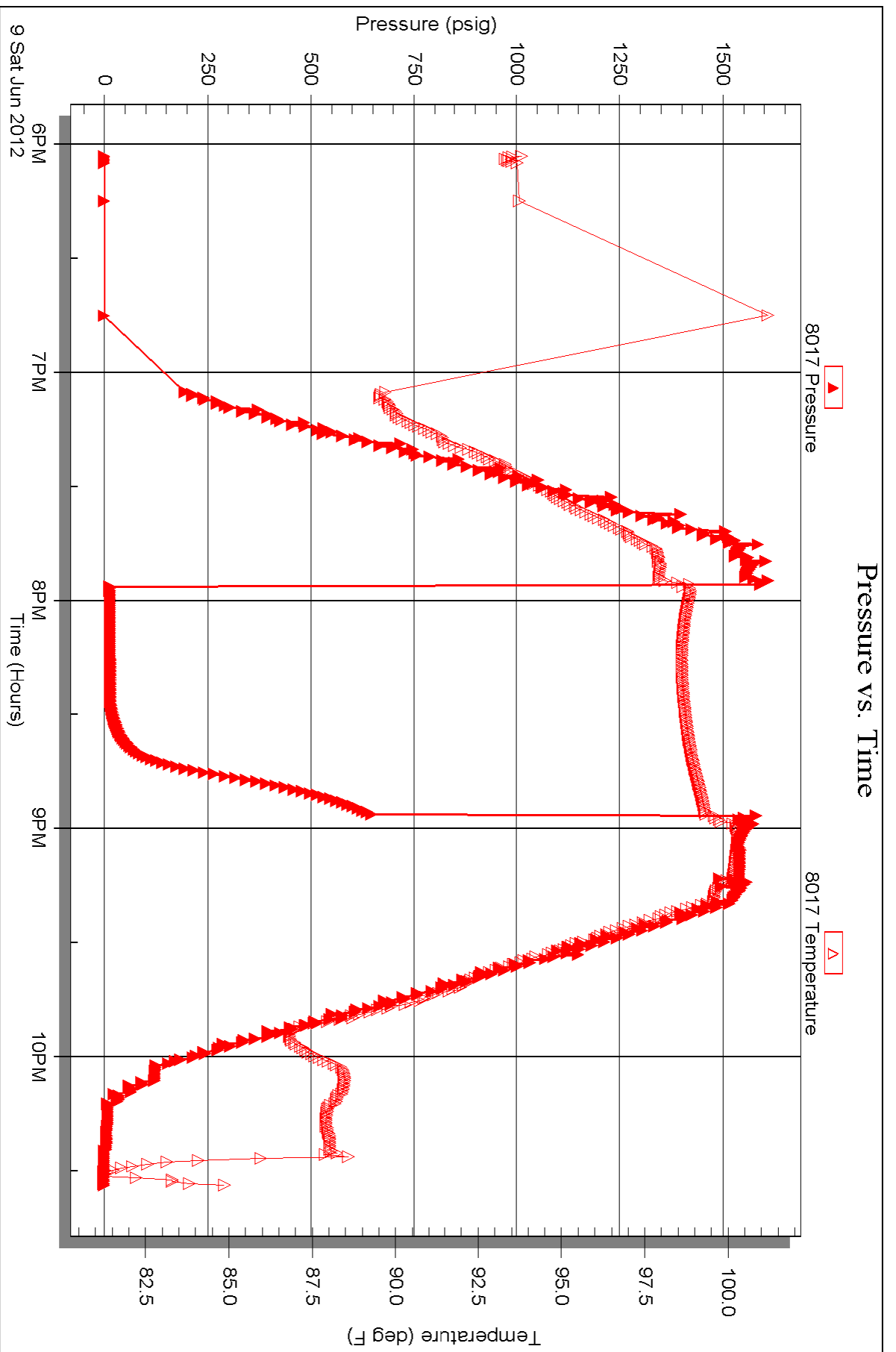
Serial #: 8017

Inside

Hess Oil Co

Kriley "B" #5

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 47347

Printed: 2012.06.10 @ 06:14:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Co
 225 N Market
 STE 300
 Wichita, Ks. 67202
 ATTN: Jamie Hess

20-7s-17w Rooks

Kriley "B" #5

Job Ticket: 47348

DST#: 5

Test Start: 2012.06.10 @ 03:23:05

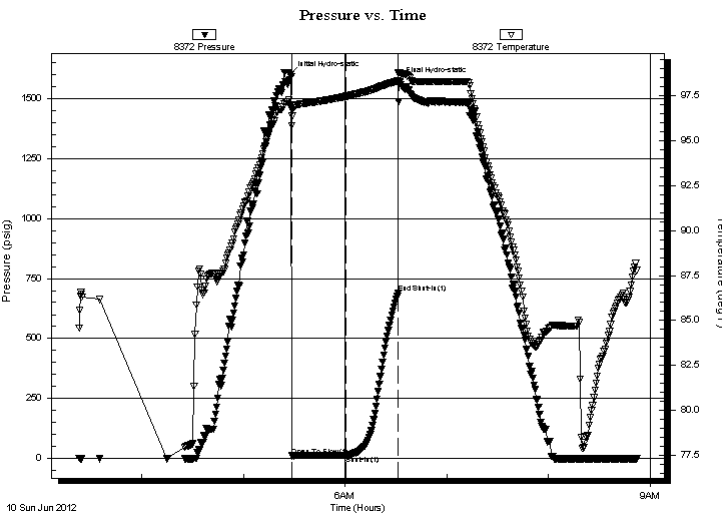
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:28:40
 Time Test Ended: 08:52:29
 Interval: **3294.00 ft (KB) To 3306.00 ft (KB) (TVD)**
 Total Depth: 3306.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 13.43 psig @ 3295.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.10 End Date: 2012.06.10 Last Calib.: 2012.06.10
 Start Time: 03:23:05 End Time: 08:52:29 Time On Btm: 2012.06.10 @ 05:27:40
 Time Off Btm: 2012.06.10 @ 06:32:00

TEST COMMENT: IF:(30min) Blow died in 2 min
 IS:(30min) No Return Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.28	96.97	Initial Hydro-static
1	11.18	95.84	Open To Flow (1)
33	13.43	97.47	Shut-In(1)
64	688.16	98.33	End Shut-In(1)
65	1571.36	98.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud w / oil spks in tool	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Co
 225 N Market
 STE 300
 Wichita, Ks. 67202
 ATTN: Jamie Hess

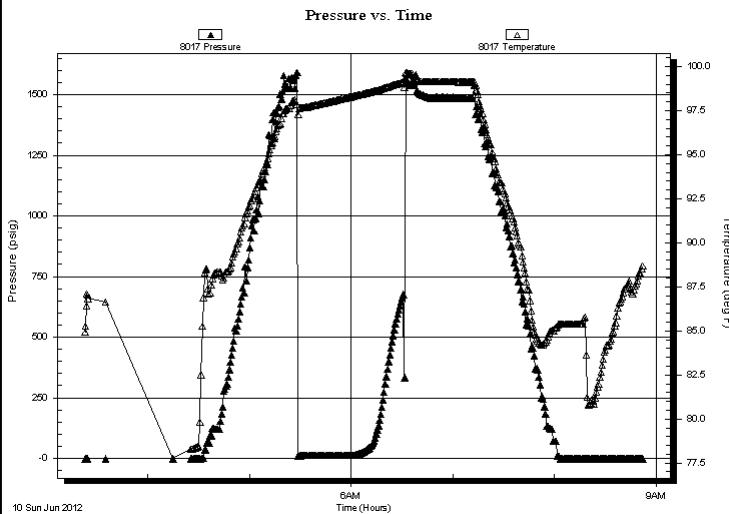
20-7s-17w Rooks
Kriley "B" #5
 Job Ticket: 47348 **DST#: 5**
 Test Start: 2012.06.10 @ 03:23:05

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:28:40
 Time Test Ended: 08:52:29
 Interval: **3294.00 ft (KB) To 3306.00 ft (KB) (TVD)**
 Total Depth: 3306.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1773.00 ft (KB)
 1768.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8017 Inside
 Press @ Run Depth: psig @ 3295.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.10 End Date: 2012.06.10 Last Calib.: 2012.06.10
 Start Time: 03:23:05 End Time: 08:52:39 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:(30min) Blow died in 2 min
 IS:(30min) No Return Pulled Tool



PRESSURE SUMMARY

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

Recovery

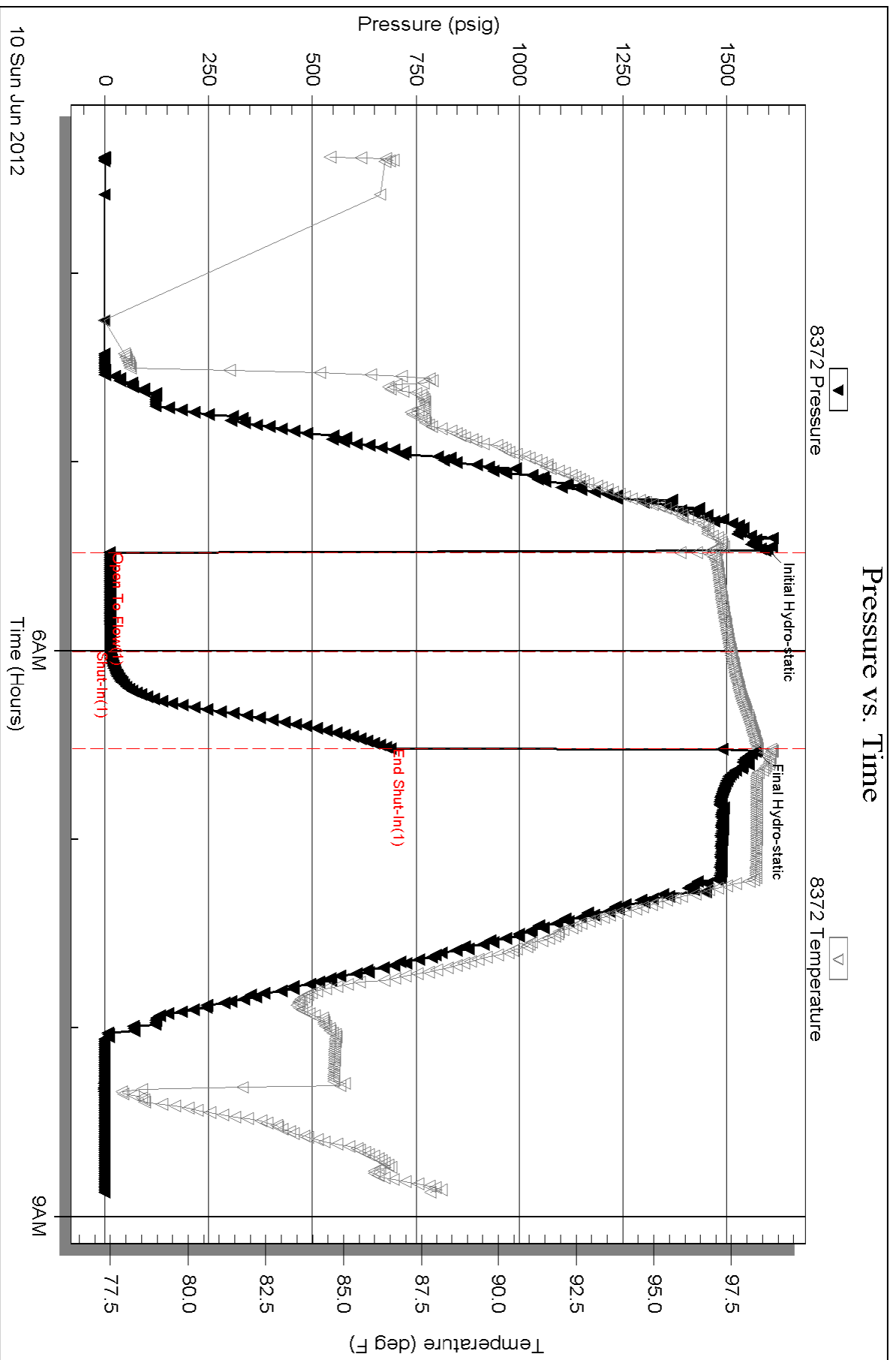
Length (ft)	Description	Volume (bbl)
1.00	Mud w / oil spks in tool	0.00

* Recovery from multiple tests

Gas Rates

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

Pressure vs. Time



Serial #: 8017

Inside

Hess Oil Co

Kriley "B" #5

DST Test Number: 5

