



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

Estimated Production Per 24 Hours	Oil 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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ALLIED OIL & GAS SERVICES, LLC 054126

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell # 11 KS

DATE <u>6-10-13</u>	SEC. <u>26</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Holland A</u>	WELL # <u>1</u>	LOCATION <u>Gordon KS 1E6N 1E 1/2 N 1/2 E</u>		COUNTY <u>11</u>	STATE		
OLD OR NEW (Circle one)		<u>Sinto</u>					

CONTRACTOR APS

TYPE OF JOB Port Collar

HOLE SIZE 7 7/8 T.D. 3330

CASING SIZE 4 1/2 10.5 DEPTH 3328

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL PC DEPTH 932

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 3 1/2 bbl

OWNER Used 185 60/40

CEMENT 50 com

AMOUNT ORDERED 300 60/40 4% gel 1 1/4 flt

50 com

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

EQUIPMENT

PUMP TRUCK CEMENTER Allen Werth

417 HELPER Woody O

BULK TRUCK

473 DRIVER Joe G

BULK TRUCK

413 DRIVER Bunny S

REMARKS:

test port collar to 800' release to 300'
open pc receive blow mix 185 60/40 and
50 com and displace 2 1/2 bbl close pc to 800'
run 5jt wash clean

Thank you

CHARGE TO: Brungardt O.I

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

TOTAL _____

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 _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Terry W. Peaster

SIGNATURE Terry W. Peaster

ALLIED OIL & GAS SERVICES, LLC 054118

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>5-28-13</u>	SEC. <u>26</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Holland</u>	WELL # <u>A-1</u>	LOCATION <u>Gorham KS 1E 6N 1E 1/2 N</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>1 1/2 E S into</u>					

CONTRACTOR Shields
 TYPE OF JOB long string
 HOLE SIZE 7 7/8 T.D. 3330
 CASING SIZE 4 1/2 10.5 DEPTH 3328
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL PC DEPTH 926
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 29'
 CEMENT LEFT IN CSG. 24'
 PERFS.
 DISPLACEMENT 52 1/2 bbl

OWNER
CEMENT
 AMOUNT ORDERED 250 rom 10% salt
500g mud flush
 COMMON 250 @ 17.90 4475.00
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
Salt 13 @ 26.35 342.55
mud flush 12 @ 58.70 704.40
 HANDLING 269.00 @ 2.48 667.12
 MILEAGE 211.20 @ 2.60 549.12
TOTAL 6738.19

EQUIPMENT

PUMP TRUCK CEMENTER Glenn G Robert Y
 # 417 HELPER Woody
 BULK TRUCK
 # 481 DRIVER Kevin R
 BULK TRUCK
 # DRIVER

REMARKS:

run 4 1/2 10.5 to 3328 receive circulation
mix mud flush mix 30 sticks Rathole
mix 20 stick mouse hole mix 200 sticks down
hole displace 52 1/2 bbl of water
land plug at 1760

SERVICE

DEPTH OF JOB 3328
 PUMP TRUCK CHARGE 2558.75
 EXTRA FOOTAGE @
 MILEAGE 17 HVMI @ 7.70 130.90
 MANIFOLD @
17 LVMI @ 4.40 74.80
TOTAL 2764.45

CHARGE TO: Brungardt Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

4 1/2 float shoe 392.65 392.65
4 1/2 latch down @ 547.94 547.94
1 basket @ 315.90 315.90
2 centralizer @ 39.37 78.74
8 turbo @ 65.06 520.48
Port collar @ 2222.44 2222.44
~~1855.71~~
TOTAL 1335.23
4078.15

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 13580.79
 DISCOUNT 3407.50
4074.24 IF PAID IN 30 DAYS

PRINTED NAME Burton Beery
 SIGNATURE Burton Beery

ALLIED OIL & GAS SERVICES, LLC 054200

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Muscell, Ki

DATE <u>5-22-13</u>	SEC. <u>26</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE		WELL #	LOCATION <u>Bohman, Ki</u>		COUNTY <u>Rice</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)			<u>1e 6 or 1e 1/2 on 1.5e south</u>				

CONTRACTOR SHIELDS #1
 TYPE OF JOB SURFACE
 HOLE SIZE 8 1/2 T.D. 12.61
 CASING SIZE 8 1/2 DEPTH 12.61
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 15'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 12.58 ⁴²⁰ / 420

OWNER
 CEMENT
 AMOUNT ORDERED 175 sk class A
31 cc

COMMON <u>175 sk</u>	@ <u>17.90</u>	<u>\$3,132.50</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>6 sk</u>	@ <u>1.4.00</u>	<u>\$334.00</u>
ASC	@	
	@	
	@	
	@	
	@	
HANDLING <u>187.51 ^{1/3}</u>	@ <u>2.43</u>	<u>\$467.51</u>
MILEAGE <u>146.40 ^{1/2} hr</u>	@ <u>2.60</u>	<u>\$380.78</u>
TOTAL		<u>\$4,434.79</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom P
 # 409 HELPER Norman D
 BULK TRUCK
 # 431 DRIVER Kevin R
 BULK TRUCK
 # DRIVER

REMARKS:

* Circulated mud to Surface!
* Ran 175 sk cement @ 26.66 ⁴²⁰ ft
* Displaced plug @ 12.58 ⁴²⁰ ft
cement circulated to Surface!
* Lost bit plug @ 300 ps

SERVICE

DEPTH OF JOB	<u>212.61</u>	
PUMP TRUCK CHARGE	<u>\$1,512.25</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>Levy 17m</u>	@ <u>7.70</u> <u>\$1,309.00</u>	
MANIFOLD <u>Lyle 17m</u>	@ <u>4.40</u> <u>\$74.80</u>	
	@	
	@	
TOTAL		<u>\$1,717.95</u>

CHARGE TO: Blumfeld Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1x 8 1/2 inch Plug</u>	@	<u>\$107.64</u>
	@	
	@	
	@	
	@	
TOTAL		<u>\$107.64</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.

SALES TAX (If Any) _____
 TOTAL CHARGES \$1,260.53
 DISCOUNT \$1,106.29 IF PAID IN 30 DAYS

PRINTED NAME Thomas S Engel
 SIGNATURE _____



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.26 @ 04:10:19

End Date: 2013.05.26 @ 10:27:43

Job Ticket #: 52082 DST #: 1

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

Printed: 2013.06.03 @ 08:55:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

ATTN: Chris Brungardt

Job Ticket: 52082

DST#: 1

Test Start: 2013.05.26 @ 04:10:19

GENERAL INFORMATION:

Formation: **LKC B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:09:14

Time Test Ended: 10:27:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 2990.00 ft (KB) To 3040.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3040.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 66.43 psig @ 3004.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.26

End Date:

2013.05.26

Last Calib.:

2013.05.26

Start Time: 04:10:19

End Time:

10:27:43

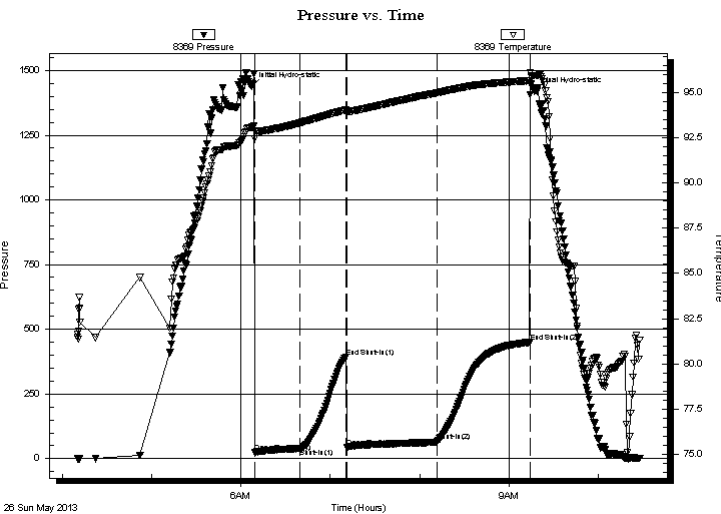
Time On Btm:

2013.05.26 @ 06:07:14

Time Off Btm:

2013.05.26 @ 09:16:58

TEST COMMENT: 30-IFP-w k to strg in 26 min
30-ISIP-vy w k surface bl for approx 10 min
60-FFP-w k to strg in 16 min
60-FSIP-vy w k surface bl for approx 10 min



PRESSURE SUMMARY

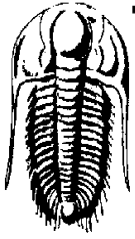
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.83	93.07	Initial Hydro-static
2	24.59	92.44	Open To Flow (1)
33	39.81	93.31	Shut-In(1)
64	394.22	94.01	End Shut-In(1)
64	42.79	93.93	Open To Flow (2)
125	66.43	94.98	Shut-In(2)
187	449.89	95.65	End Shut-In(2)
190	1419.97	95.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VGMO 55%G15%M30%O	0.44
30.00	HO&GCM30%G30%O40%M	0.21
0.00	405'GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52082

DST#: 1

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 04:10:19

GENERAL INFORMATION:

Formation: **LKC B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:09:14

Time Test Ended: 10:27:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 2990.00 ft (KB) To 3040.00 ft (KB) (TVD)

Total Depth: 3040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1802.00 ft (KB)

1797.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8700 Outside

Press @ Run Depth: psig @ 3004.00 ft (KB)

Start Date: 2013.05.26

End Date: 2013.05.26

Start Time: 04:10:30

End Time: 10:26:24

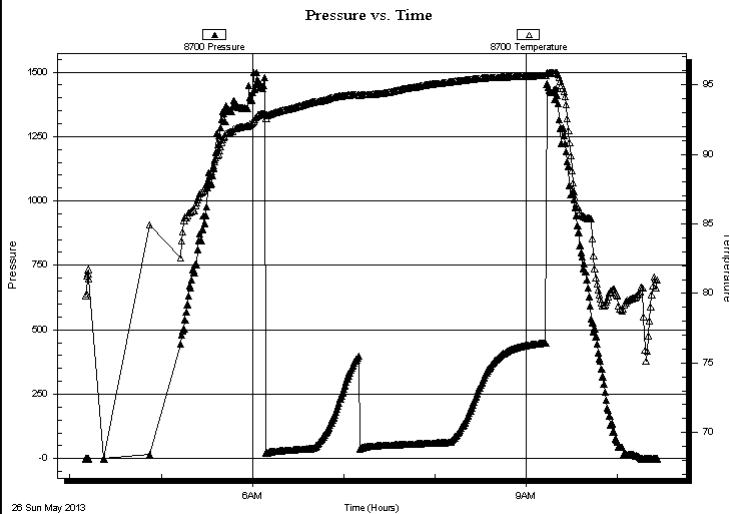
Capacity: 8000.00 psig

Last Calib.: 2013.05.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-w k to strg in 26 min
30-ISIP-vy w k surface bl for approx 10 min
60-FFP-w k to strg in 16 min
60-FSIP-vy w k surface bl for approx 10 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VGMO 55%G15%M30%O	0.44
30.00	HO&GCM30%G30%O40%M	0.21
0.00	405'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52082

DST#: 1

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 04:10:19

Tool Information

Drill Pipe:	Length: 2617.00 ft	Diameter: 3.80 inches	Volume: 36.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 39.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2990.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2970.00	
Shut In Tool	5.00			2975.00	
Hydraulic tool	5.00			2980.00	
Packer	5.00			2985.00	21.00 Bottom Of Top Packer
Packer	5.00			2990.00	
Stubb	1.00			2991.00	
Perforations	13.00			3004.00	
Recorder	0.00	8369	Inside	3004.00	
Recorder	0.00	8700	Outside	3004.00	
Blank Spacing	33.00			3037.00	
Bullnose	3.00			3040.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52082

DST#: 1

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 04:10:19

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.08 in³
Resistivity: ohm.m
Salinity: 6800.00 ppm
Filter Cake: 1.00 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
62.00	VGMO 55%G15%M30%O	0.439
30.00	HO&GCM30%G30%O40%M	0.212
0.00	405'GIP	0.000

Total Length: 92.00 ft Total Volume: 0.651 bbl

Num Fluid Samples: 0

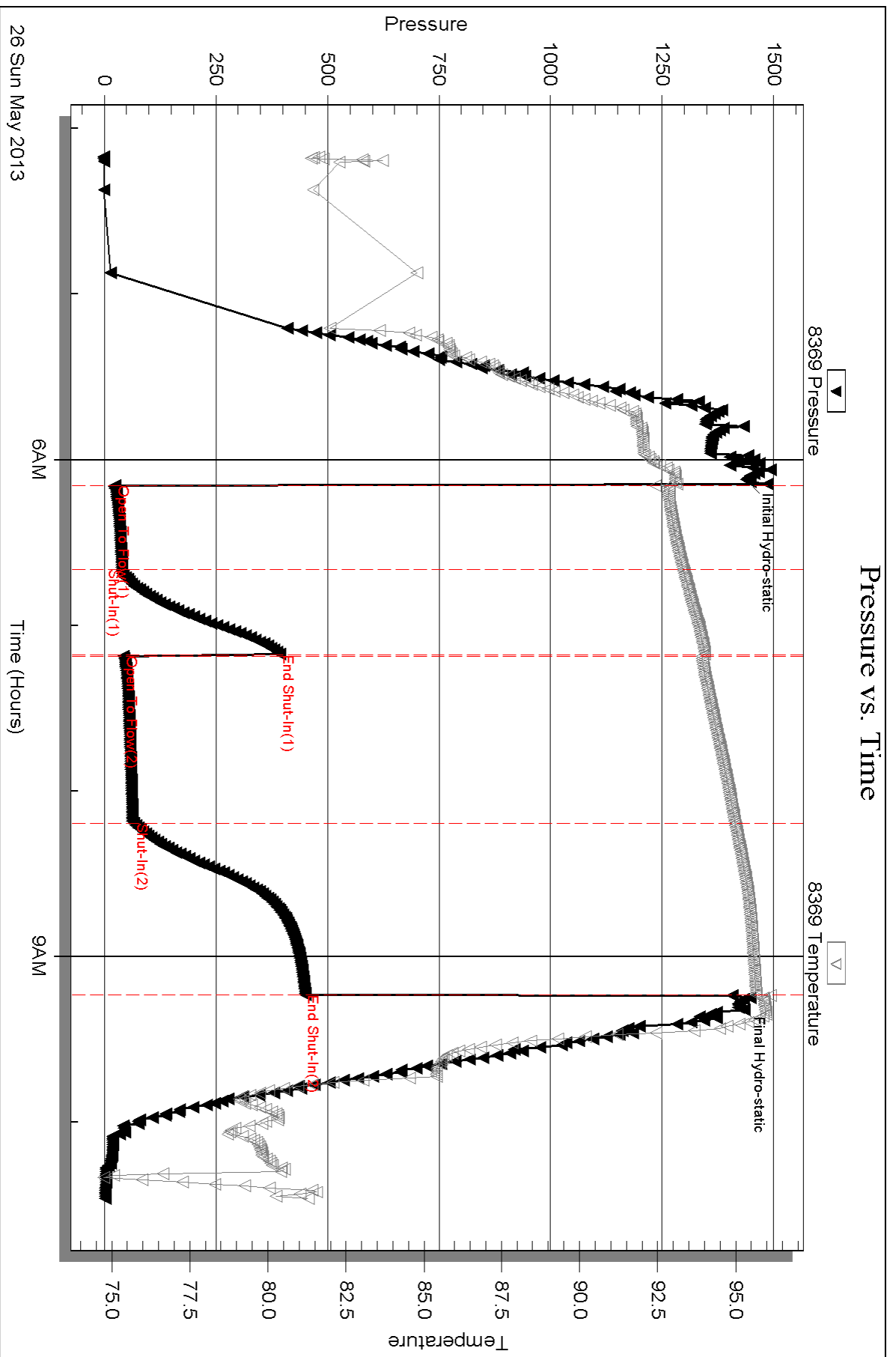
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

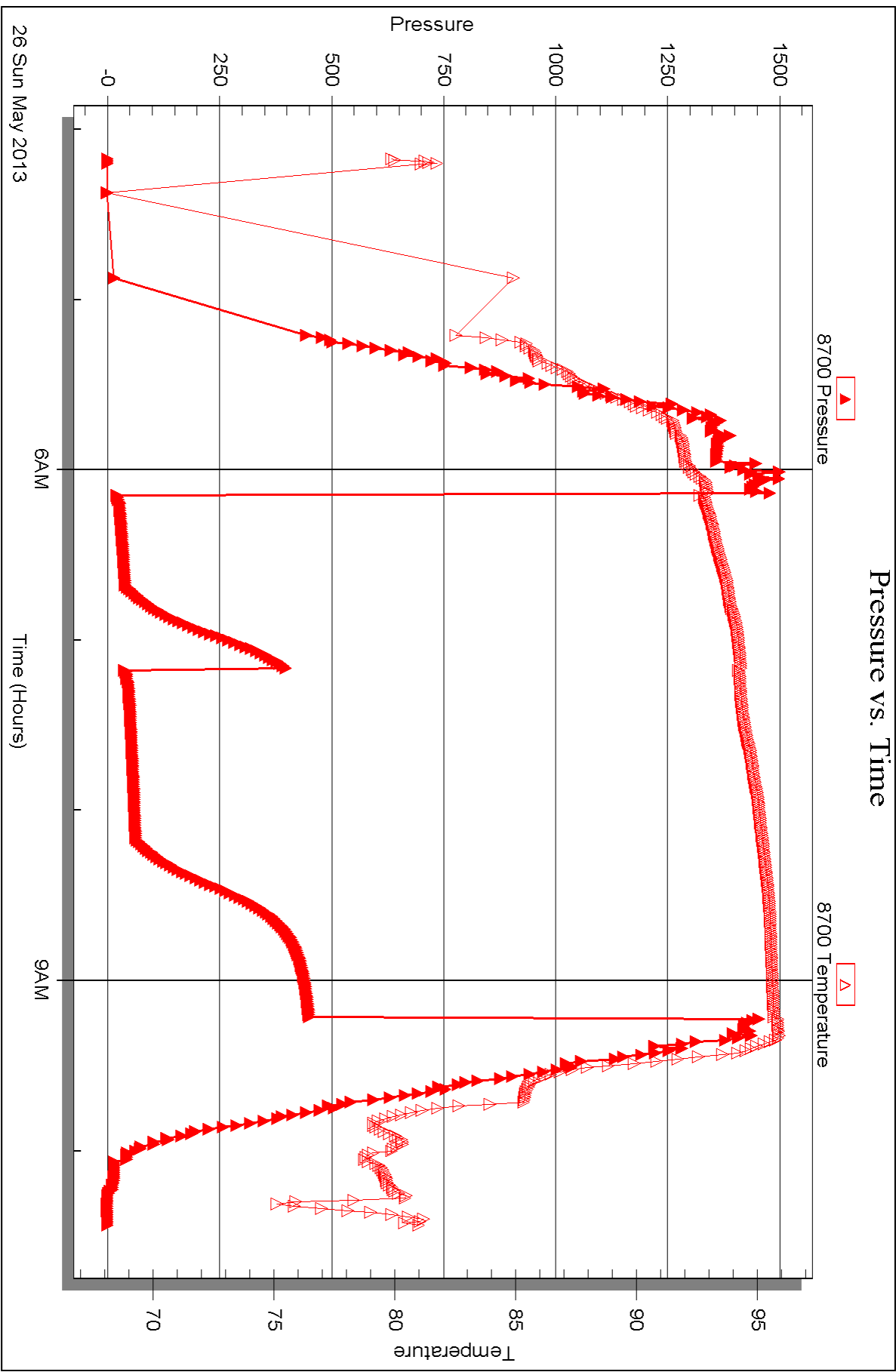


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.26 @ 17:35:26

End Date: 2013.05.26 @ 23:33:50

Job Ticket #: 52083 DST #: 2

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

Printed: 2013.06.03 @ 08:55:01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

GENERAL INFORMATION:

Formation: **LKC E,F,G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:11:21

Time Test Ended: 23:33:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3035.00 ft (KB) To 3090.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3090.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369 Inside

Press @ Run Depth: 134.69 psig @ 3037.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.26

End Date:

2013.05.26

Last Calib.:

2013.05.26

Start Time: 17:35:26

End Time:

23:33:50

Time On Btm:

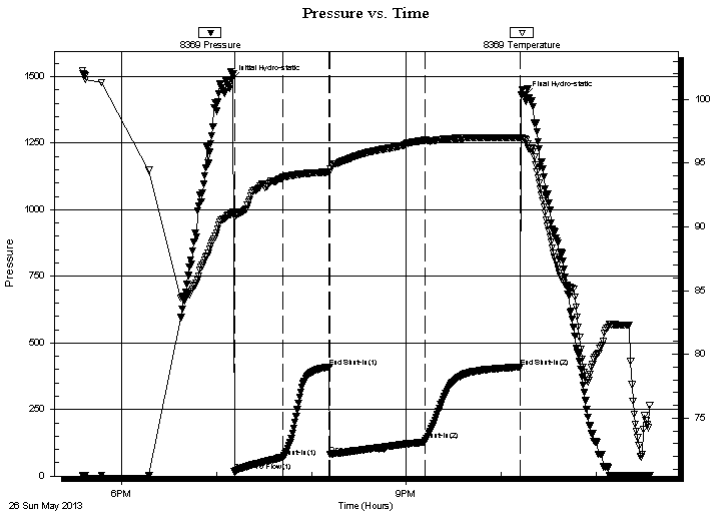
2013.05.26 @ 19:09:51

Time Off Btm:

2013.05.26 @ 22:14:50

TEST COMMENT: 30-IFP-w k to a fr bl 1/4" to 4" bl
30-ISIP-no bl
60-FFP-w k bl thru-out 1/4" to 3" bl
60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.31	91.09	Initial Hydro-static
2	16.44	90.81	Open To Flow (1)
33	70.35	93.88	Shut-In(1)
62	410.38	94.30	End Shut-In(1)
62	81.47	94.34	Open To Flow (2)
123	134.69	96.78	Shut-In(2)
183	408.85	96.97	End Shut-In(2)
185	1427.38	96.88	Final Hydro-static

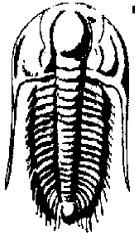
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GCMW 5%G35%M60%W w/show of oil	0.88
80.00	GCWM 45%W55%M w/show of oil	0.57
0.00	60'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc
 PO Box 871
 Russell KS 67665-1731
 ATTN: Chris Brungardt

26-12s-15w Russell,KS
Holland A #1
 Job Ticket: 52083 **DST#: 2**
 Test Start: 2013.05.26 @ 17:35:26

GENERAL INFORMATION:

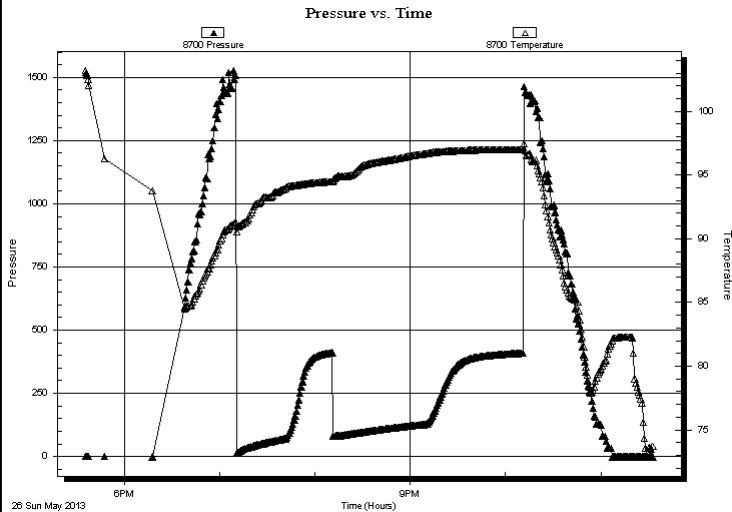
Formation: **LKC E,F,G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:11:21
 Time Test Ended: 23:33:50
Interval: 3035.00 ft (KB) To 3090.00 ft (KB) (TVD)
 Total Depth: 3090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1802.00 ft (KB)
 1797.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8700

Outside

Press @ Run Depth: psig @ 3037.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.26 End Date: 2013.05.26 Last Calib.: 2013.05.26
 Start Time: 17:35:39 End Time: 23:32:48 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k to a fr bl 1/4" to 4" bl
 30-ISIP-no bl
 60-FFP-w k bl thru-out 1/4" to 3" bl
 60-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GCMW 5%G35%M60%W w/show of oil	0.88
80.00	GCWM 45%W55%M w/show of oil	0.57
0.00	60'GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

Tool Information

Drill Pipe:	Length: 2649.00 ft	Diameter: 3.80 inches	Volume: 37.16 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 39.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3035.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3015.00	
Shut In Tool	5.00			3020.00	
Hydraulic tool	5.00			3025.00	
Packer	5.00			3030.00	21.00 Bottom Of Top Packer
Packer	5.00			3035.00	
Stubb	1.00			3036.00	
Perforations	1.00			3037.00	
Recorder	0.00	8369	Inside	3037.00	
Recorder	0.00	8700	Outside	3037.00	
Blank Spacing	33.00			3070.00	
Perforations	17.00			3087.00	
Bullnose	3.00			3090.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

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:

58000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.91 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	GCMW 5%G35%M60%W w/show of oil	0.878
80.00	GCWM 45%W55%M w/show of oil	0.567
0.00	60'GIP	0.000

Total Length: 204.00 ft Total Volume: 1.445 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

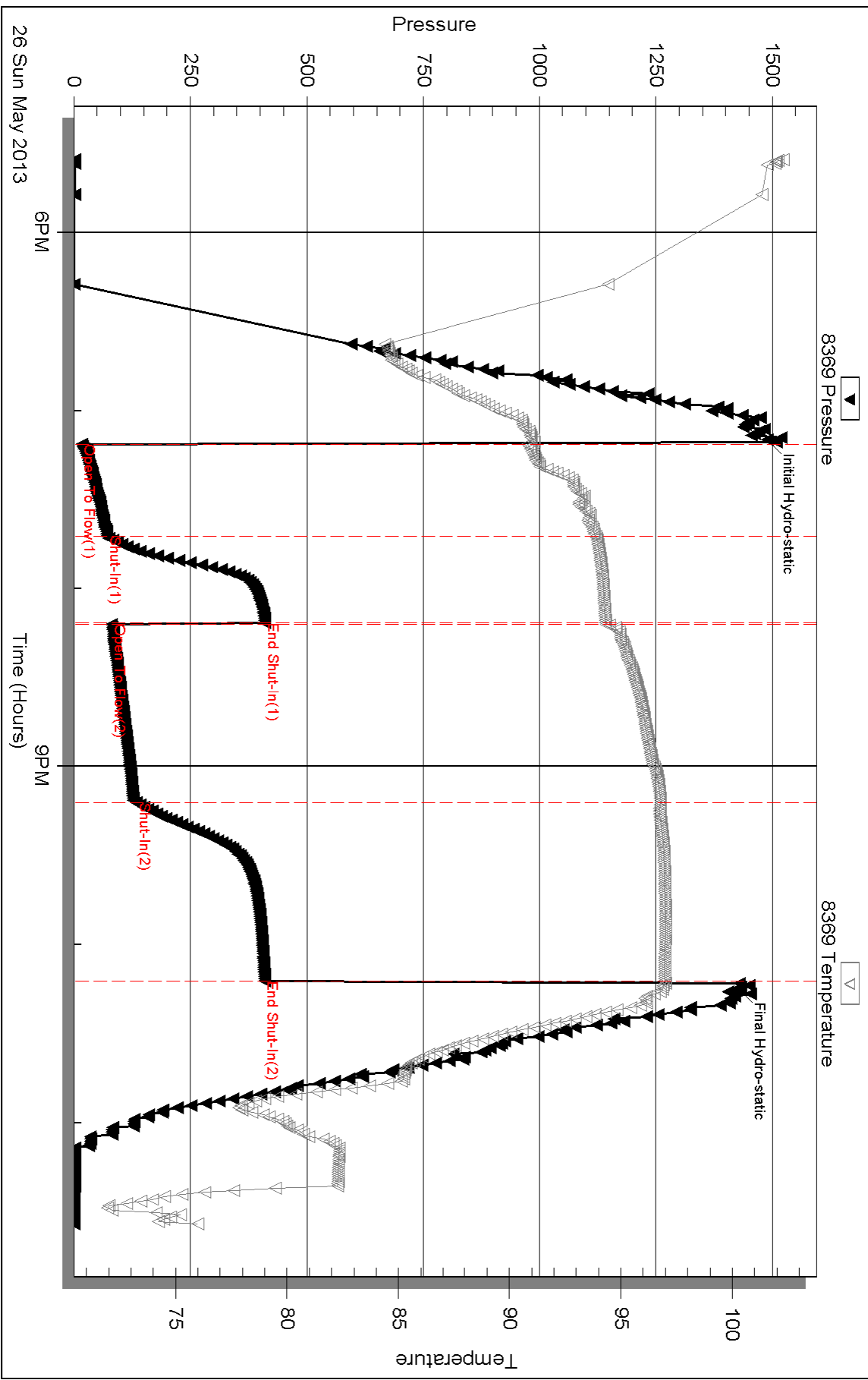
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .16 @ 55F

Pressure vs. Time

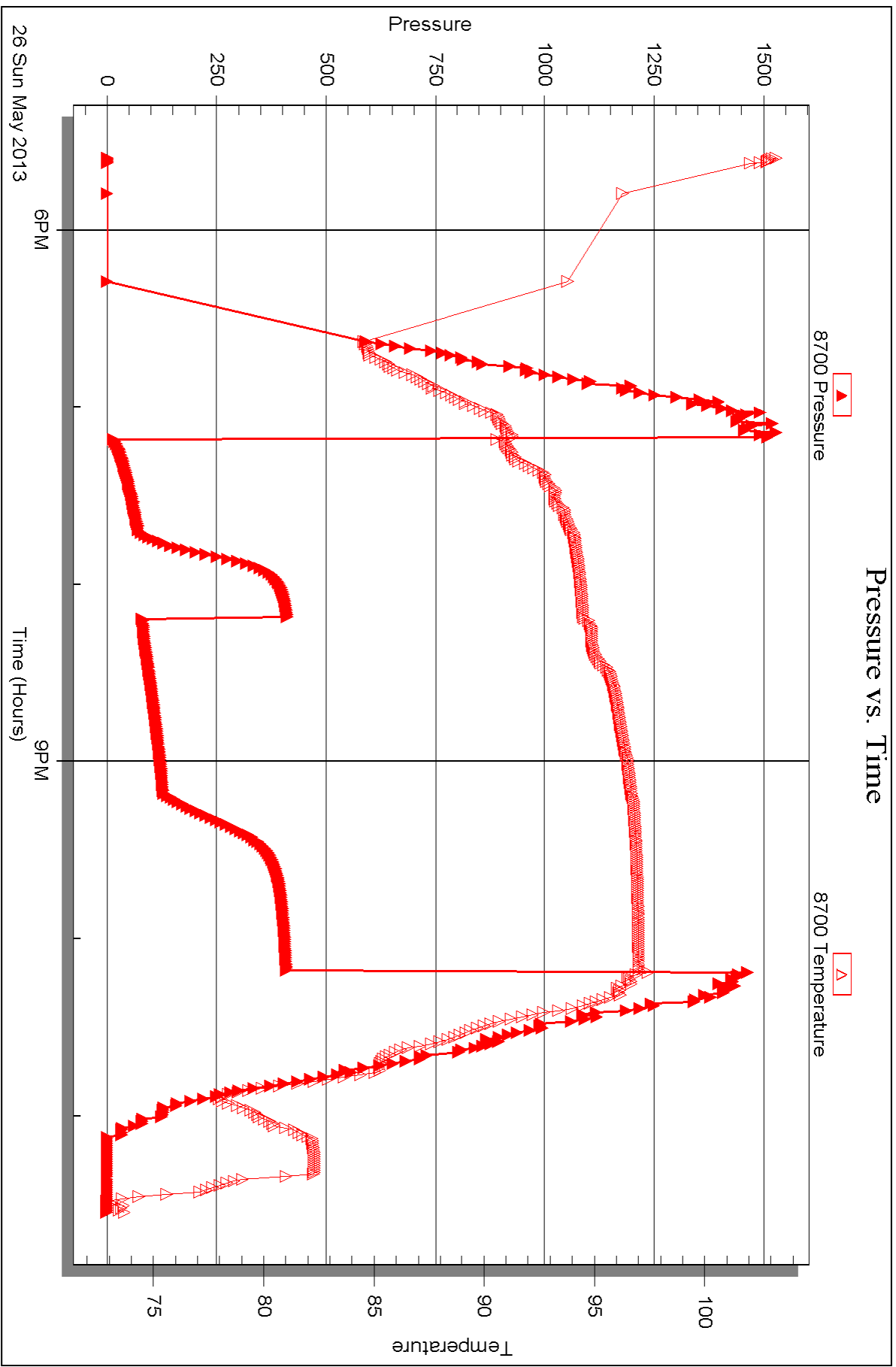


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52083

Printed: 2013.06.03 @ 08:55:04



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.27 @ 10:35:57

End Date: 2013.05.27 @ 15:19:51

Job Ticket #: 52084 DST #: 3

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

Printed: 2013.06.03 @ 08:54:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:06:22

Time Test Ended: 15:19:51

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3130.00 ft (KB) To 3180.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3180.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 34.25 psig @ 3144.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.27 End Date: 2013.05.27

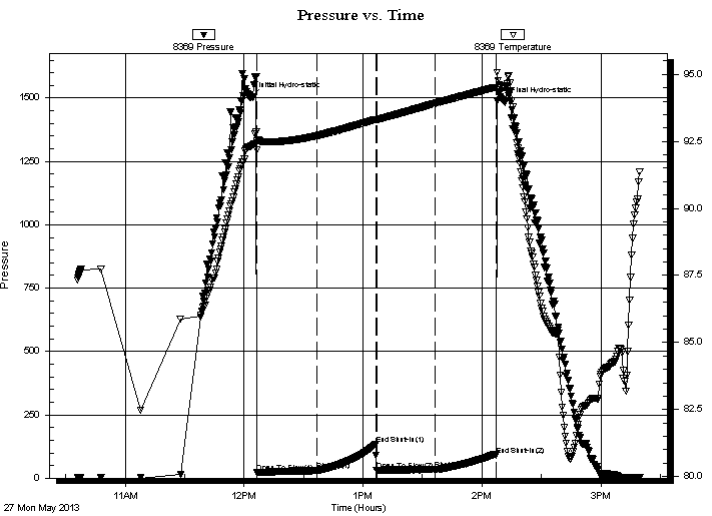
Last Calib.: 2013.05.27

Start Time: 10:35:57 End Time: 15:19:51

Time On Btm: 2013.05.27 @ 12:03:52

Time Off Btm: 2013.05.27 @ 14:11:22

TEST COMMENT: 30-IFP-surface bl thru-out
30-ISIP-no bl
30-FFP-w k bl thru-out 1/4" bl
30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1504.95	92.32	Initial Hydro-static
3	22.14	92.17	Open To Flow (1)
33	29.75	92.71	Shut-In(1)
63	135.02	93.32	End Shut-In(1)
63	29.83	93.30	Open To Flow (2)
93	34.25	93.91	Shut-In(2)
124	91.99	94.52	End Shut-In(2)
128	1484.93	94.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 7%O93%M	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

Tool Information

Drill Pipe:	Length: 2744.00 ft	Diameter: 3.80 inches	Volume: 38.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 41.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3130.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3110.00	
Shut In Tool	5.00			3115.00	
Hydraulic tool	5.00			3120.00	
Packer	5.00			3125.00	21.00 Bottom Of Top Packer
Packer	5.00			3130.00	
Stubb	1.00			3131.00	
Perforations	13.00			3144.00	
Recorder	0.00	8369	Inside	3144.00	
Recorder	0.00	8700	Outside	3144.00	
Blank Spacing	33.00			3177.00	
Bullnose	3.00			3180.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

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: 9.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 7%O93%M	0.142

Total Length: 20.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

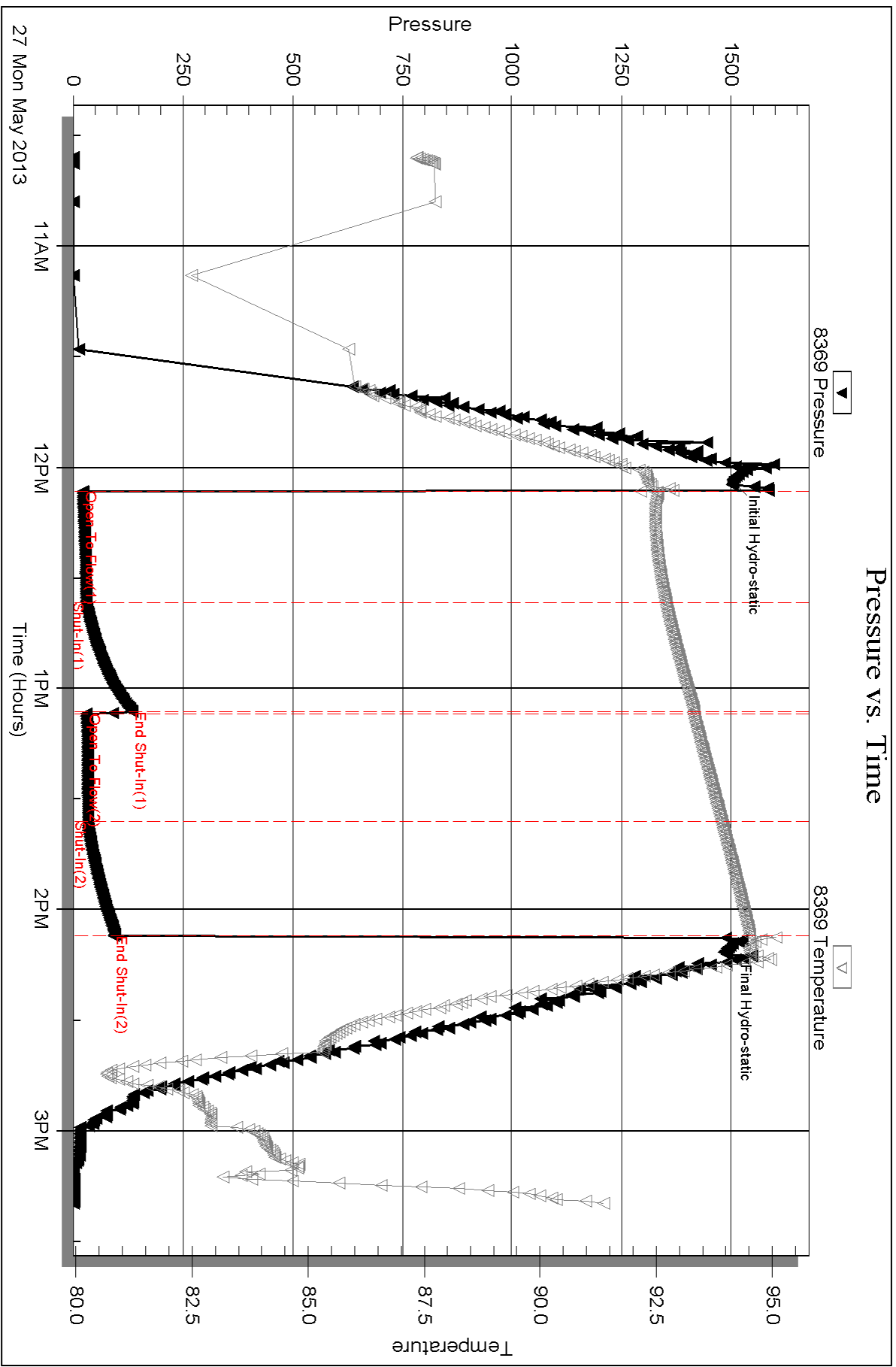
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

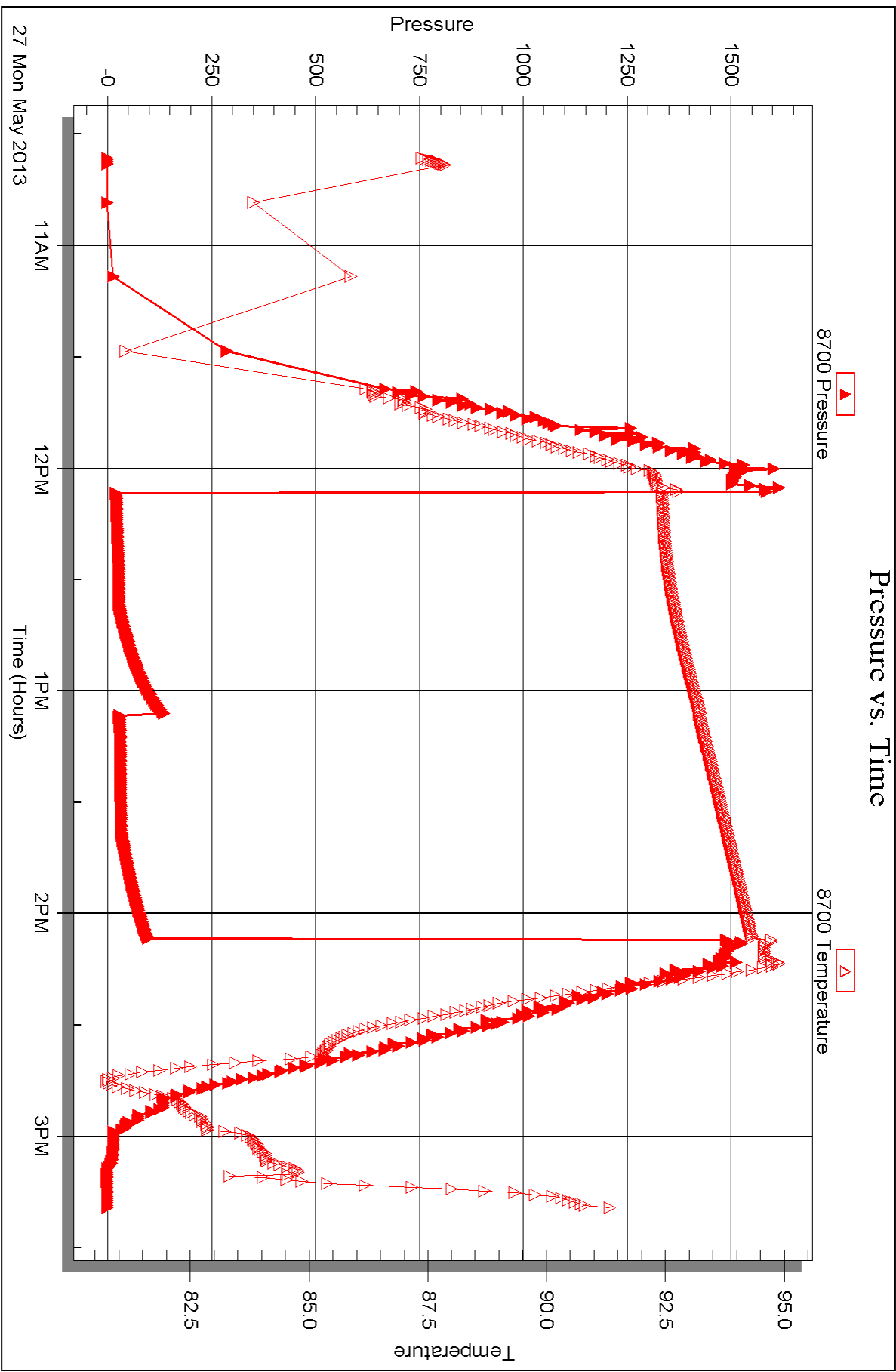


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 52084

Printed: 2013.06.03 @ 08:54:17



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.28 @ 09:10:14

End Date: 2013.05.28 @ 13:37:38

Job Ticket #: 52085 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.03 @ 08:53:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:09

Time Test Ended: 13:37:38

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3329.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369 Inside

Press @ Run Depth: 20.40 psig @ 3228.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.28

End Date:

2013.05.28

Last Calib.:

2013.05.28

Start Time: 09:10:14

End Time:

13:37:38

Time On Btm:

2013.05.28 @ 10:27:24

Time Off Btm:

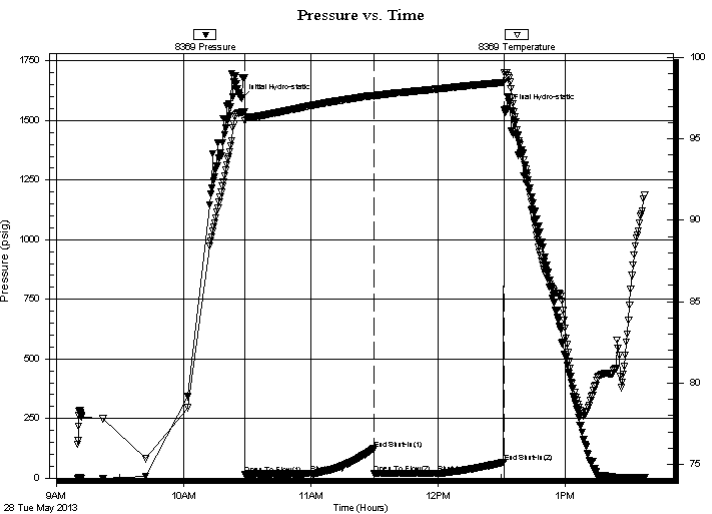
2013.05.28 @ 12:32:24

TEST COMMENT: 30-IFP-surface bl thru-out

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.51	96.61	Initial Hydro-static
2	16.36	96.11	Open To Flow (1)
33	18.91	97.04	Shut-In(1)
63	120.76	97.67	End Shut-In(1)
63	18.60	97.61	Open To Flow (2)
93	20.40	98.06	Shut-In(2)
124	66.95	98.48	End Shut-In(2)
125	1549.44	99.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/show of oil	0.01

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

ATTN: Chris Brungardt

Job Ticket: 52085 **DST#: 4**
Test Start: 2013.05.28 @ 09:10:14

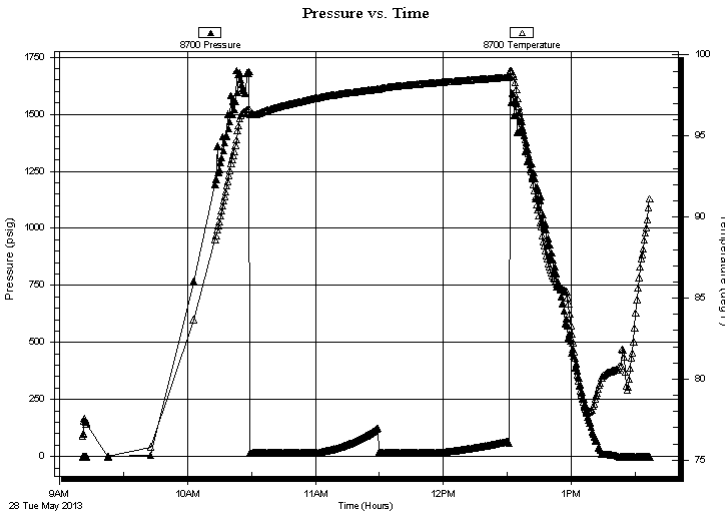
GENERAL INFORMATION:

Formation: Arbuckle		Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock: ft (KB)		Tester: Ray Schwager
Time Tool Opened: 10:29:09		Unit No: 42
Time Test Ended: 13:37:38		Reference Elevations: 1802.00 ft (KB)
Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)		1797.00 ft (CF)
Total Depth: 3329.00 ft (KB) (TVD)		KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair	

Serial #: 8700	Outside				
Press @ RunDepth: psig @ 3228.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2013.05.28 End Date: 2013.05.28		Last Calib.: 2013.05.28			
Start Time: 09:10:43 End Time: 13:36:52		Time On Btm:			
		Time Off Btm:			

TEST COMMENT: 30-IFP-surface bl thru-out
30-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/show of oil	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:09

Time Test Ended: 13:37:38

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3329.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8374 Below (Straddle)

Press @ Run Depth: psig @ 3298.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.28 End Date: 2013.05.28

Last Calib.: 2013.05.28

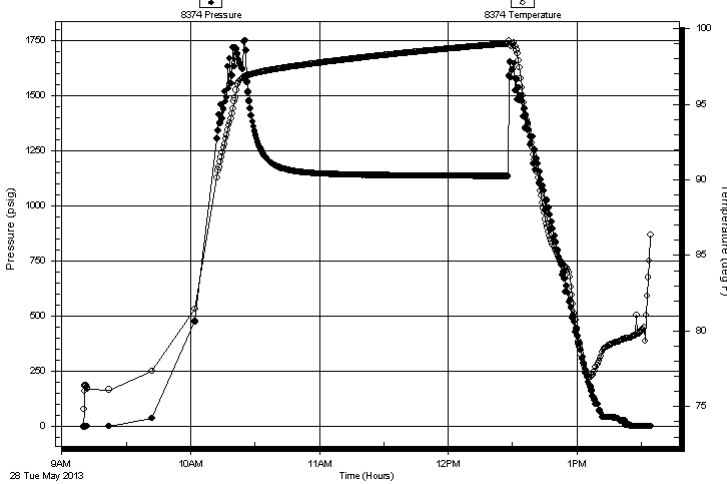
Start Time: 09:10:08 End Time: 13:34:32

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-surface bl thru-out
30-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w /show of oil	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

Tool Information

Drill Pipe:	Length: 2841.00 ft	Diameter: 3.80 inches	Volume: 39.85 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 42.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3226.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	3270.00 ft			
Interval between Packers:	44.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3206.00	
Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Packer	5.00			3221.00	21.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Perforations	1.00			3228.00	
Recorder	0.00	8369	Inside	3228.00	
Recorder	0.00	8700	Outside	3228.00	
Blank Spacing	33.00			3261.00	
Perforations	5.00			3266.00	
Blank Off Sub	1.00			3267.00	
Blank Spacing	3.00			3270.00	44.00 Tool Interval
Packer	5.00			3275.00	
Stubb	1.00			3276.00	
Perforations	22.00			3298.00	
Recorder	0.00	8374	Below	3298.00	
Blank Spacing	33.00			3331.00	
Bullnose	3.00			3334.00	64.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud w/show of oil	0.014

Total Length: 2.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

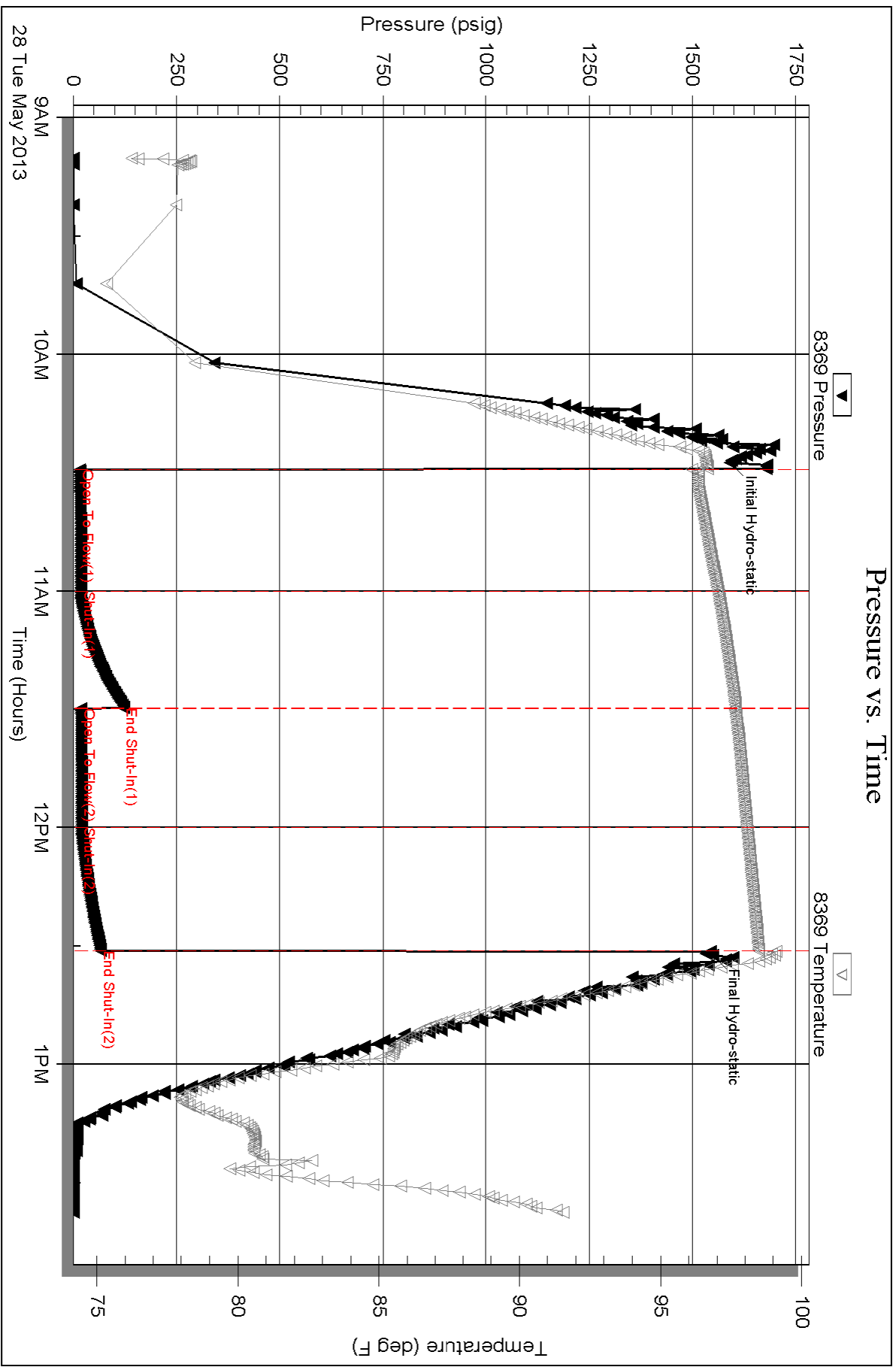
Serial #: 8369

Inside

Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 52085

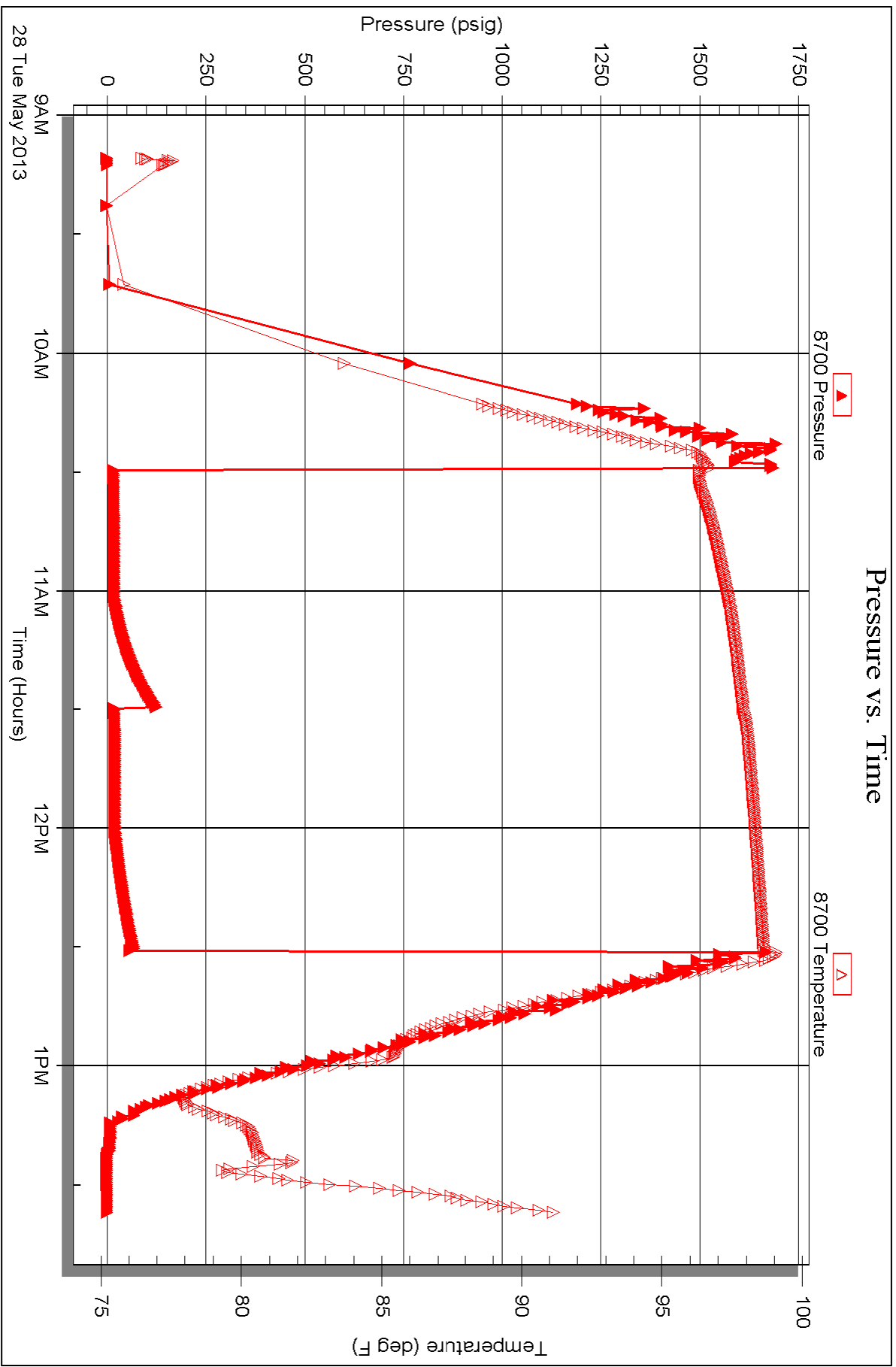
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Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 4

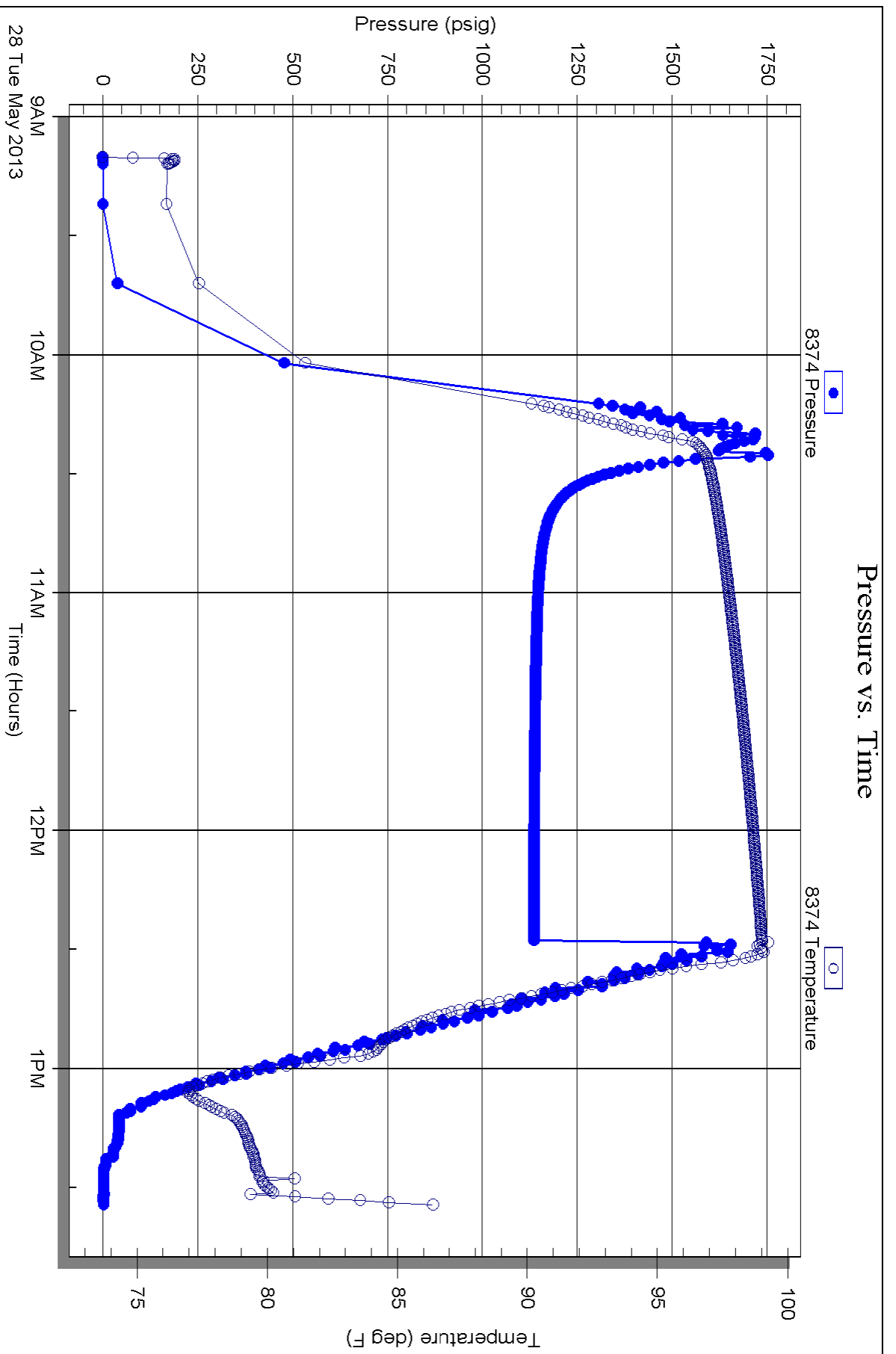


Serial #: 8374

Below (Stratfield) Oil & Leasing Inc

Holland A #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 52085

Printed: 2013.06.03 @ 08:53:39



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52082

Well Name & No. Holland A #1 Test No. 1 Date 5-26-13
 Company Brungard Oil & Leasing Inc Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. Brad Hutchison Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 2990-3040 Zone Tested LKC A-C
 Anchor Length 50 Drill Pipe Run 2617 Mud Wt. 9.2
 Top Packer Depth 2985 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 2990 Wt. Pipe Run 340 WL 8.2
 Total Depth 3040 Chlorides 6800 ppm System LCM -

Blow Description IFP - WEAK TO STRONG IN 26 MIN
ISIP - Very WK surface Blow
FFP - WEAK TO STRONG IN 16 MIN
FSIP - Very WK surface Blow

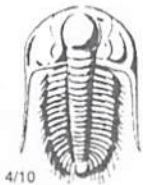
Rec	Feet of	%gas	%oil	%water	%mud
<u>405</u>	<u>Feet of GIP</u>				
<u>62</u>	<u>Feet of V6MO</u>	<u>55</u>	<u>30</u>		<u>15</u>
<u>30</u>	<u>Feet of HO+GCM</u>	<u>30</u>	<u>30</u>		<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 92 BHT 95 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1438 Test 1150 T-On Location 0330
 (B) First Initial Flow 24 Jars T-Started 0410
 (C) First Final Flow 39 Safety Joint T-Open 0610
 (D) Initial Shut-In 394 Circ Sub T-Pulled 0910
 (E) Second Initial Flow 42 Hourly Standby T-Out 1027
 (F) Second Final Flow 66 Mileage 54 RT 83.70 Comments _____
 (G) Final Shut-In 449 Sampler _____
 (H) Final Hydrostatic 1419 Straddle _____
 Ruined Shale Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1233.70 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager Thank you
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52083

Well Name & No. Holland A#1 Test No. 2 Date 5-26-13
 Company BRUNGARDT OIL & LEASING INC Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ko 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ko

Interval Tested 3035-3090 Zone Tested LKC E, F, G
 Anchor Length 55 Drill Pipe Run 2649 Mud Wt. 9
 Top Packer Depth 3030 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3035 Wt. Pipe Run 340 WL 9
 Total Depth 3090 Chlorides 7000 ppm System LCM -

Blow Description I/FP - WEAK TO A FAIR BLOW 1/4" TO 4" BLOW
TSIP - NO BLOW
FFP - WEAK BLOW THEN-OUT 1/4" TO 3" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GI P</u>				
<u>80</u>	<u>WM w/show of oil</u>			<u>45</u>	<u>55</u>
<u>124</u>	<u>GC MW</u>	<u>5</u>		<u>60</u>	<u>35</u>
	<u>w/show of oil</u>				

Rec Total 204 BHT 97 Gravity - API RW .16 @ 55 °F Chlorides 58000 ppm
 (A) Initial Hydrostatic 1489 Test 1150 T-On Location 1705
 (B) First Initial Flow 16 Jars 1735
 (C) First Final Flow 70 Safety Joint 1910
 (D) Initial Shut-In 410 Circ Sub 2210
 (E) Second Initial Flow 81 Hourly Standby 2333
 (F) Second Final Flow 134 Mileage 54RT 83.70
 (G) Final Shut-In 408 Sampler
 (H) Final Hydrostatic 1427 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Sub Total 1233.70

MP/DST Disc't _____

Approved By _____ Our Representative RAY SCHWAGER Thank you

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52084

Well Name & No. Holland A #1 Test No. 3 Date 5-27-13
 Company BRUNGARDT OIL + Leasing Inc Elevation 1802 KB 1792 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 3130 - 3180 Zone Tested LKC I, J
 Anchor Length 50 Drill Pipe Run 2744 Mud Wt. 9.2
 Top Packer Depth 3125 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 3130 Wt. Pipe Run 340 WL 9.8
 Total Depth 3180 Chlorides 8200 ppm System LCM -

Blow Description IFP - Weak surface Blow thru-out
ISTP - NO BLOW
FFP - Weak Blow thru-out 1/4" Blow
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>DCM</u>		<u>7</u>		<u>93</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 94 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1504 Test 1150 T-On Location 1010
 (B) First Initial Flow 22 Jars 1025
 (C) First Final Flow 29 Safety Joint 1205
 (D) Initial Shut-In 135 Circ Sub 1405
 (E) Second Initial Flow 29 Hourly Standby 1519
 (F) Second Final Flow 34 Mileage 54 RT 83.70
 (G) Final Shut-In 91 Sampler
 (H) Final Hydrostatic 1484 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer

Initial Open 30 Extra Packer
 Initial Shut-In 30 Extra Recorder
 Final Flow 30 Day Standby
 Final Shut-In 30 Accessibility
 Sub Total 1233.70

Approved By _____ Our Representative RAY SELWAGER *Thank you*

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52085

Well Name & No. Holland A#1 Test No. 4 Date 5-28-13
 Company BRUNGARDT OIL LEASING INC Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 3226-3270 Zone Tested ARBuckle
 Anchor Length 44 Drill Pipe Run 2841 Mud Wt. 9.3
 Top Packer Depth 3226-3221 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3270 Wt. Pipe Run 340 WL 10.4
 Total Depth 3329 Chlorides 9200 ppm System LCM 2#

Blow Description IFP - SURFACE BLOW THRU-OUT
ISIP - NO BLOW
FFP - NO BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				
	<u>w/show of oil</u>				

Rec Total 2 BHT 98 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1590 Test 1150 T-On Location 0840
 (B) First Initial Flow 16 Jars _____ T-Started 0910
 (C) First Final Flow 18 Safety Joint _____ T-Open 1030
 (D) Initial Shut-In 120 Circ Sub _____ T-Pulled 1280
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 1337
 (F) Second Final Flow 20 Mileage 54RT 83.70 Comments _____
 (G) Final Shut-In 66 Sampler _____
 (H) Final Hydrostatic 1549 Straddle 600 Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1833.70
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1833.70

Approved By _____ Our Representative RAY SCHWAGER Thank you

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BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>BRUNGARDT OIL & LEASING, INC.</u> LEASE <u>HOLLAND A-1</u> FIELD _____ LOCATION <u>NE 5W NE 5W</u> SEC <u>26</u> TWSP <u>12S</u> RGE <u>15W</u> COUNTY <u>Russell</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>1812'</u> DF _____ GL <u>1807'</u> Measurements Are All From <u>Kelly Bushing</u>
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CONTRACTOR <u>SHIELDS OIL PRODUCERS</u> SPUD <u>5-21-2013</u> COMP <u>5-28-2013</u> RTD <u>3330 (-1518)</u> LTD <u>3329 (-1517)</u> MUD UP <u>2400'</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 7/8" @ 209'</u> PRODUCTION <u>4 1/2" @ 3325'</u> ELECTRICAL SURVEYS CNL/CDL DIL MEL
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SAMPLES SAVED FROM _____ 2650' TO _____ RTD
 DRILLING TIME KEPT FROM _____ 2650' TO _____ RTD
 SAMPLES EXAMINED FROM _____ 2700' TO _____ RTD
 GEOLOGICAL SUPERVISION FROM _____ 2700' TO _____ RTD
 GEOLOGIST ON WELL BRAD J. HUTCHISON

FORMATION TOPS	LOG	SAMPLES	
<u>ANHYDRITE</u>	<u>884 +928 (-8)</u>	<u>886 (+926)</u>	
<u>TOPEKA</u>	<u>2709 -897 (+2)</u>	<u>2710 (-898)</u>	
<u>HEEBNER</u>	<u>2930 -1118 (-)</u>	<u>2931 (-1119)</u>	
<u>TORONTO</u>	<u>2951 -1139 (-1)</u>	<u>2952 (-1140)</u>	
<u>LANSING</u>	<u>2982 -1170 (-)</u>	<u>2984 (-1172)</u>	
<u>BASE KANSAS CITY</u>	<u>3233 -1421 (-5)</u>	<u>3236 (-1424)</u>	
<u>ARBUCKLE</u>	<u>3254 -1442 (-5)</u>	<u>3255 (-1443)</u>	

Comparison

Brungardt Oil & Leasing, INC. Holland Unit #1

1812' KE

2700

LOGICA 2710 (-898)

• lb CRM VEXL - highly
chalky no vis s/g
dk brn str - sat
(SFO when broken)
Fr odor

sh gry

lb gry dse foss

lb AA chalky

sh gry

lb buff FTLX foss

AA w/ animal w/HT carb

sh brk carb w/ gry
micaceous sh

int pale grs sh

lb CRM - WHT VEXL highly
foss IR sat lt str (2-3 pc)
Fr FO no odor

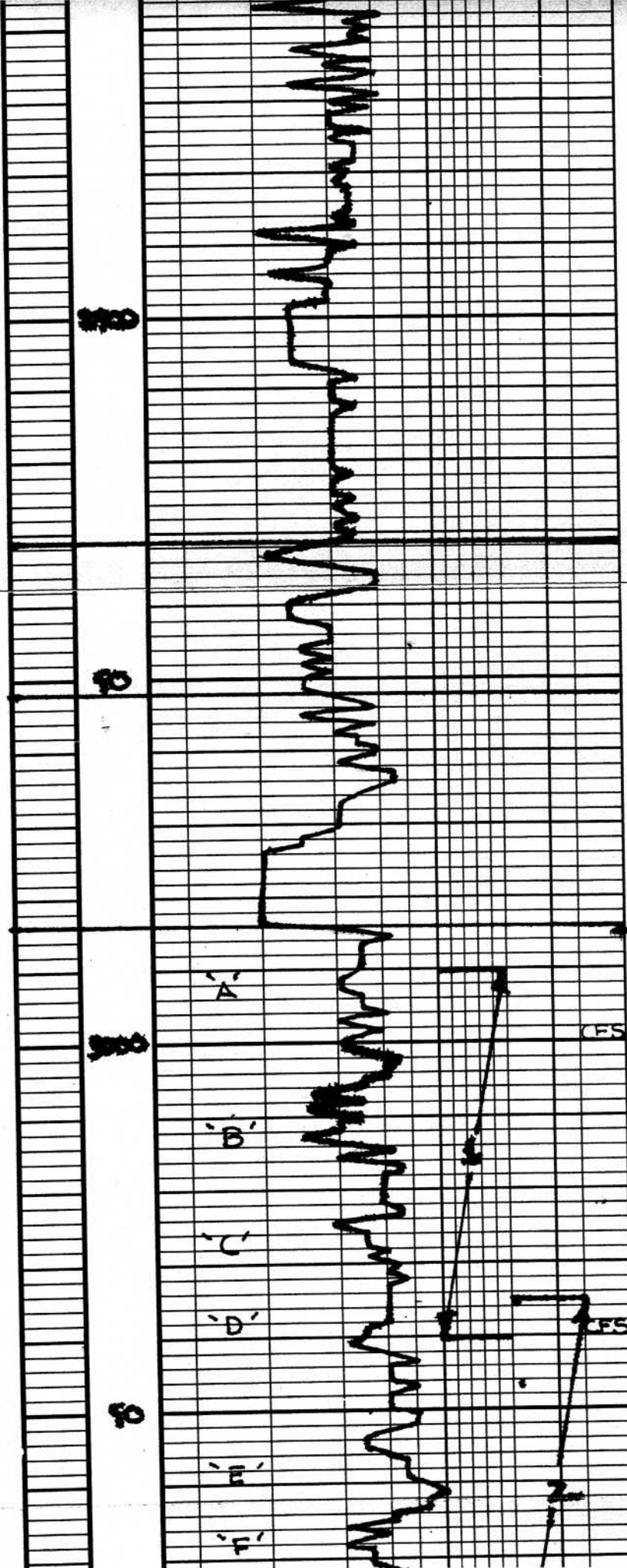
lb buff - lt gry dse.

sh gry

lb dirty gry w/ sh
AA.

8

2800



L5 buff FRYL DSE
Sl Foss

L5 CRM-WHT chalky
AA

L5 AA w/ inc gry sh

L5 CRM VFRYL - chalky
TR spt dk sh - sct SEO
very heavy) vs odor abund
wht chalk

L6 CRM highly chalky
AA

Horizon 2931 (-119)
sh blk carb.

Horizon 2952 (-140)
L6 lt gry - tn blocky
dse

sh gry - pale grn gumbo
AA micaceous

Horizon 2984 (-172)

L5 buff VFRYL - DSE
no vis of sctd lt brn sh,
NEO sh odor

sh gry grn maroon
gumbo

L5 CRM FRYL Foss - ool,
FR sctd int ool - sh vug p
lt brn sh - sct
sh SEO FT odor

L5 CRM-WHT FRYL sh DSE
Sl Foss TR nodular L5
spt FR vug p TR FR v. lt
spt sh. / 55% v. FT odor
tr milky wht ool A

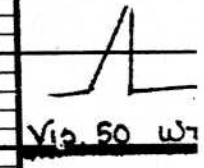
sh blk carb.

sh gry

L5 gry DSE ool TR
spt int ool of tr spt lt sh
NEO sh odor

L5 CRM FRYL ool - Foss,
FR spt FR int ool - vug p
FR sctd lt brn sh,
TR FO sh odor
abund Doney w/lt ool A

DST-1 2990
30-30-60
IF BOB-2
FF BOB 16
REL. 405' (30' HOGCM
30% ag
40% OM
62' VGMO
55% ag 30%
I'IP 394#
FSEP 450#
EP (25-40
HSH (1438-1



Vis 50 Wt
DST-2 3035-
30-30-60

300

30

300

30

CFS

CFS

abund w/ht chalk,

ls GRY - buff Dse. w/ abundant w/ht chalk,

AA

sh blk carb.,

ls LT GRY - buff DSE sh FOSS.,

sh gry - brick red abund w/ht chalk

ls WHT-LT GRY FRXL OOL FR scd INT OBL VUG O' TR atz inclusions FR-ad' SED ladden brn str-sat SED FT odor.,

sh blk carb abund var sh-gumbo -

ls CRM-WHT FRXL TR STA NEO or odor FOSS-OOL

ls gry DSE

sh blk carb.,

sh gry - Red gumbo /

ls WHT FRXL - chalky highly chalky - no FOSS NS

AA w/irc gry sh.,

ls OFF WHT DSE NS

~~REC. 3236 (1924)~~

sh gry lt grn macoa AA

ls FRXL (dramatic) TR VUG O' scd FR STR-SAT SED FR odor

sh greyish WHT (gumbo) ~~ARGONNE 3238 (1998)~~

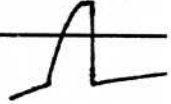
OOLO FRXL (SOFT) ad dk brn str-sat qd SED FR odor

OOLO LT GRY MD XL FR-ad lat xl of scd FR-ad dk str str-sat (few pieces) FR odor qd SED.

OOLO AA w/ dec. in str IRC w/ht chalk.

OOLO LT GRY - sh pf md-LS XL qd lat XL NS

REC. 60' GIP
80' GCMW
124' GCMW
SIP (410-4)
FP (16-70)
ASH (1489-1)



DST. 3 3220-3
30. 30. 30. 3
IF SURFACE
EF SURFACE
REC. 20' OCL
70% O 93%
SIP (135-91)
FP (22-29)
ASH (1504-14)



DST-4 3226-3
30. 30. 30. 3
IF SURFACE
EF NO blow
SIP (120-66)
FP (16-19) (19-
ASH (1590-15)

REC. 2' MUD

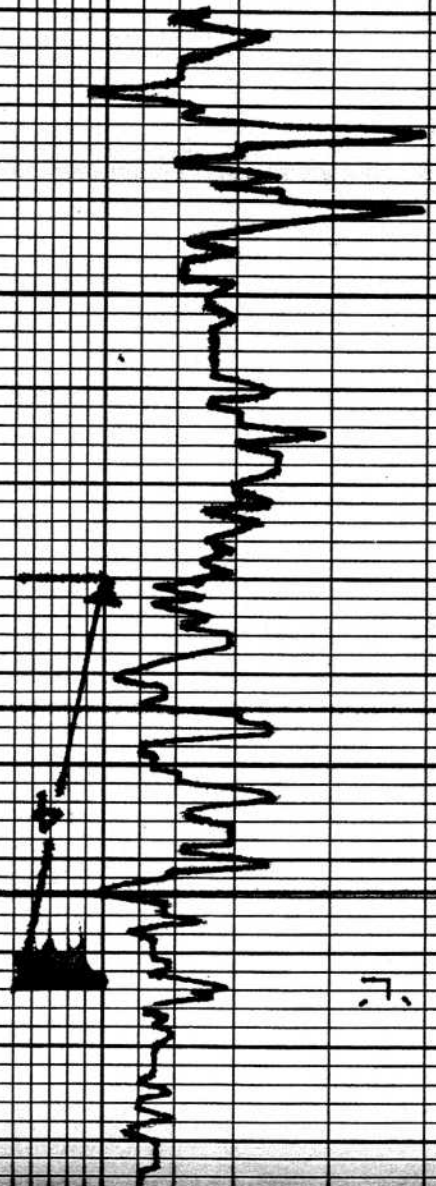


05T-4 3226-3
30. 30. 70. 71.
IF 4URORAC
EF NO HLOW
HWP (120-66)
FP (16-19)(19)
ASH (1590-15)
Rec. 2' MUD

AA W/INC GFTY SH. / NS
1.5 OFF WHT DSE / NO
REC. 200 (1987)
SH GFTY LT GRN MACROA
AA
1.5 GFTY (LONOMATIC) TR
WHT ER SHTD ER SHTD SAT
GFTY ER ODOR
GFTY GRYSHT WHT (GUMBO)
REC. 200 (1987)
DOLO ENXL (SOFT) OD DK
LORN SHT-SHT GFTY ER
ODOR
DOLO LT GFTY NO XL ER-OD
WHT XL SHTD ER-OD DR SHT
SHT-SHT (FEW PIECES) ER ODOR
GFTY SHT-SHT
DOLO AA W/ DCR IN STR
LINC WHT CROUR
DOLO LT GRAY-SH DR ND-
LSXL GFTY WHT XL NS

AA /
AA /
AA /

CFB



1'

70

700

75