



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: _____



1170199

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6851

Date	5-12-13	Sec.	26	Twp.	12	Range	15	County	Russell	State	KS	On Location		Finish	6:45am
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Location *Gorham, 1E, 6N TO Dam Rd, 2 1/2 E, S12*

Lease	<i>Holland Unit</i>	Well No.	<i>1</i>	Owner	<i>To Quality Oilwell Cementing, Inc.</i>
Contractor	<i>Shields</i>	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	<i>Surface</i>				
Hole Size	<i>12 1/4</i>	T.D.	<i>214</i>	Charge To	<i>Brungardt oil</i>
Csg.	<i>8 5/8</i>	Depth	<i>214</i>	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	<i>20</i>	Shoe Joint	<i>20</i>	Cement Amount Ordered	<i>150 com 3%cc 2%gel</i>
Meas Line		Displace	<i>12 1/4 bbl</i>		

EQUIPMENT

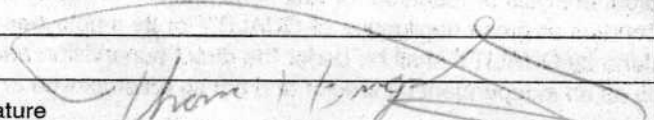
Pumptrk	<i>9</i>	No.	<i>9</i>	Cementer	<i>David</i>	Common
				Helper		Poz. Mix
Bulktrk	<i>3</i>	No.	<i>3</i>	Driver	<i>Lonnie M.</i>	Gel.
Bulktrk	<i>PU</i>	No.	<i>PU</i>	Driver	<i>Travis</i>	Calcium

JOB SERVICES & REMARKS

Remarks:	<i>cement did circulate</i>	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		Pumptrk Charge
		Mileage

X Signature		Tax
		Discount
		Total Charge

ALLIED OIL & GAS SERVICES, LLC 060776

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Okla #1

DATE <u>4/16/12</u>	SEC. <u>26</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30</u>	JOB FINISH <u>11:30</u>	
LEASE <u>Hollands Unit</u>			WELL # <u>1</u>		LOCATION <u>Corham 1E to 177 ST 6N</u>	COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			LOCATION <u>1E 1/2 N 1E Sinto</u>					

CONTRACTOR Schields #1
 TYPE OF JOB PTA Rotary
 HOLE SIZE 7 1/2 T.D. _____
 CASING SIZE 8 1/2 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 1 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same
 CEMENT AMOUNT ORDERED 235 @ 0/40 409 gal
141 Flt Seal

COMMON <u>111</u>	@	<u>17 90 212 20</u>
POZMIX <u>54</u>	@	<u>9 2 978 20</u>
GEL <u>8</u>	@	<u>23 90 187 20</u>
CHLORIDE _____	@	_____
ASC _____	@	_____
<u>Label 59111</u>	@	<u>2 2 125 20</u>
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING <u>25 101 CF</u>	@	<u>2 4 125 93</u>
MILEAGE <u>250 x 10/mile 10.00</u>	@	<u>2500 20</u>
		TOTAL <u>1771 16</u>

EQUIPMENT

PUMP TRUCK CEMENTER Al
 # 422 HELPER Wayne
 BULK TRUCK DRIVER David
 # 396
 BULK TRUCK DRIVER _____
 # _____

REMARKS:

50 sk. C 1219
25 sk. C 700
60 sk. C 450
40 sk. C 250
10 sk. C 40
20 sk. orange hole
30 sk. red hole

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 2600 40
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 110 miles @ 20 22
 MANIFOLD _____ @ _____
Lite Vehicle 10 miles @ 4 40 40 20
 _____ @ _____
 TOTAL 2721 40

CHARGE TO: Brunger Oil Leasing
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL _____

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

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Thomas J Engel
 SIGNATURE _____

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6851

Date	5-12-13	Sec.	26	Twp.	12	Range	15	County	Russell	State	KS	On Location		Finish	6:45am
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Location *Gorham, 1E, 6N TO Dam Rd, 2 1/2 E, S12*

Lease	<i>Holland Unit</i>	Well No.	<i>1</i>	Owner	<i>To Quality Oilwell Cementing, Inc.</i>
Contractor	<i>Shields</i>	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	<i>Surface</i>	Charge To <i>Brungardt oil</i>			
Hole Size	<i>12 1/4</i>	T.D.	<i>214</i>	Street	
Csg.	<i>8 5/8</i>	Depth	<i>214</i>	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<i>150 com 3%cc 2%gel</i>
Cement Left in Csg.	<i>20</i>	Shoe Joint	<i>20</i>		
Meas Line		Displace	<i>12 1/4 bbl</i>		

EQUIPMENT

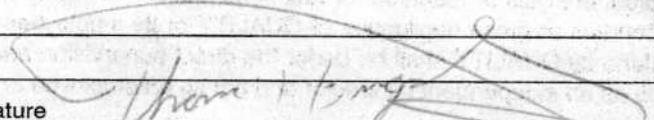
Pumptrk	<i>9</i>	No.	<i>9</i>	Cementer	<i>David</i>	Common
				Helper		Poz. Mix
Bulktrk	<i>3</i>	No.	<i>3</i>	Driver	<i>Lonnie M.</i>	Gel.
Bulktrk	<i>PU</i>	No.	<i>PU</i>	Driver	<i>Travis</i>	Calcium

JOB SERVICES & REMARKS

Remarks:	<i>cement did circulate</i>	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		Pumptrk Charge
		Mileage

X Signature		Tax
		Discount
		Total Charge



DRILL STEM TEST REPORT

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

PO Box 871
Russell KS 67665

ATTN: Brad Hutchison

Holland Unit #1

26-12s-15w Russell,KS

Start Date: 2013.05.16 @ 09:13:00

End Date: 2013.05.16 @ 15:31:50

Job Ticket #: 52191 DST #: 1

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

Printed: 2013.05.24 @ 09:01:13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665

Holland Unit #1

ATTN: Brad Hutchison

Job Ticket: 52191

DST#: 1

Test Start: 2013.05.16 @ 09:13:00

GENERAL INFORMATION:

Formation: "A-C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:02:10

Time Test Ended: 15:31:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 41

Interval: 2955.00 ft (KB) To 3030.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3030.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 124.54 psig @ 2958.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.16

End Date: 2013.05.16

Last Calib.: 2013.05.16

Start Time: 09:13:01

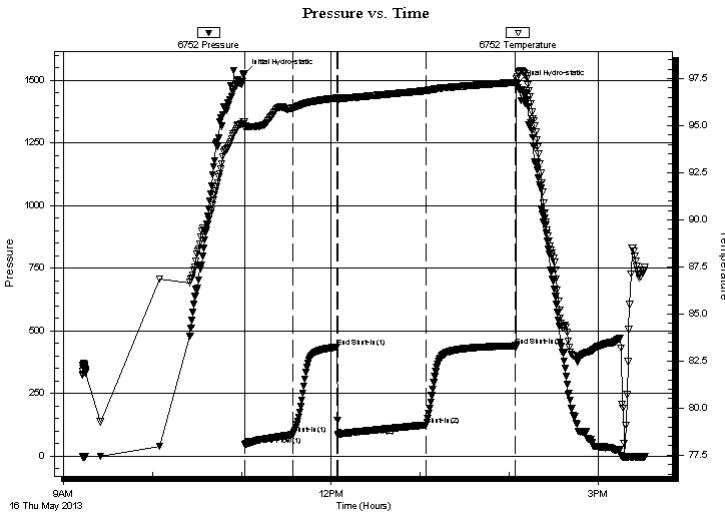
End Time: 15:31:50

Time On Btm: 2013.05.16 @ 11:02:00

Time Off Btm: 2013.05.16 @ 14:05:09

TEST COMMENT: 30 - IF- 5" blow
30 - IS- Weak surface blow , died in 10 Minutes
60 - FF- 8" blow
60 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1526.27	95.21	Initial Hydro-static
1	45.10	94.88	Open To Flow (1)
33	86.10	95.93	Shut-In(1)
62	434.96	96.46	End Shut-In(1)
63	81.20	96.42	Open To Flow (2)
122	124.54	96.86	Shut-In(2)
183	440.59	97.30	End Shut-In(2)
184	1482.94	97.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GWM, 10%G, 30%W, 60%M	0.46
107.00	GVSOCM, 5%G, 5%O, 90%M	0.79
0.00	124' of G.I.P.	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

Holland Unit #1

Job Ticket: 52191

DST#: 1

ATTN: Brad Hutchison

Test Start: 2013.05.16 @ 09:13:00

Tool Information

Drill Pipe:	Length: 2617.00 ft	Diameter: 3.80 inches	Volume: 36.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 311.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 39.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2955.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	96.00 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			2935.00	
Shut In Tool	5.00			2940.00	
Hydraulic tool	5.00			2945.00	
Packer	5.00			2950.00	21.00 Bottom Of Top Packer
Packer	5.00			2955.00	
Stubb	1.00			2956.00	
Perforations	2.00			2958.00	
Recorder	0.00	6752	Inside	2958.00	
Recorder	0.00	8322	Outside	2958.00	
Change Over Sub	1.00			2959.00	
Drill Pipe	62.00			3021.00	
Change Over Sub	1.00			3022.00	
Perforations	5.00			3027.00	
Bullnose	3.00			3030.00	75.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665

Holland Unit #1

Job Ticket: 52191

DST#: 1

ATTN: Brad Hutchison

Test Start: 2013.05.16 @ 09:13:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GWM, 10%G, 30%W, 60%M	0.455
107.00	GVSOCM, 5%G, 5%O, 90%M	0.786
0.00	124' of G.I.P.	0.000

Total Length: 169.00 ft

Total Volume: 1.241 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

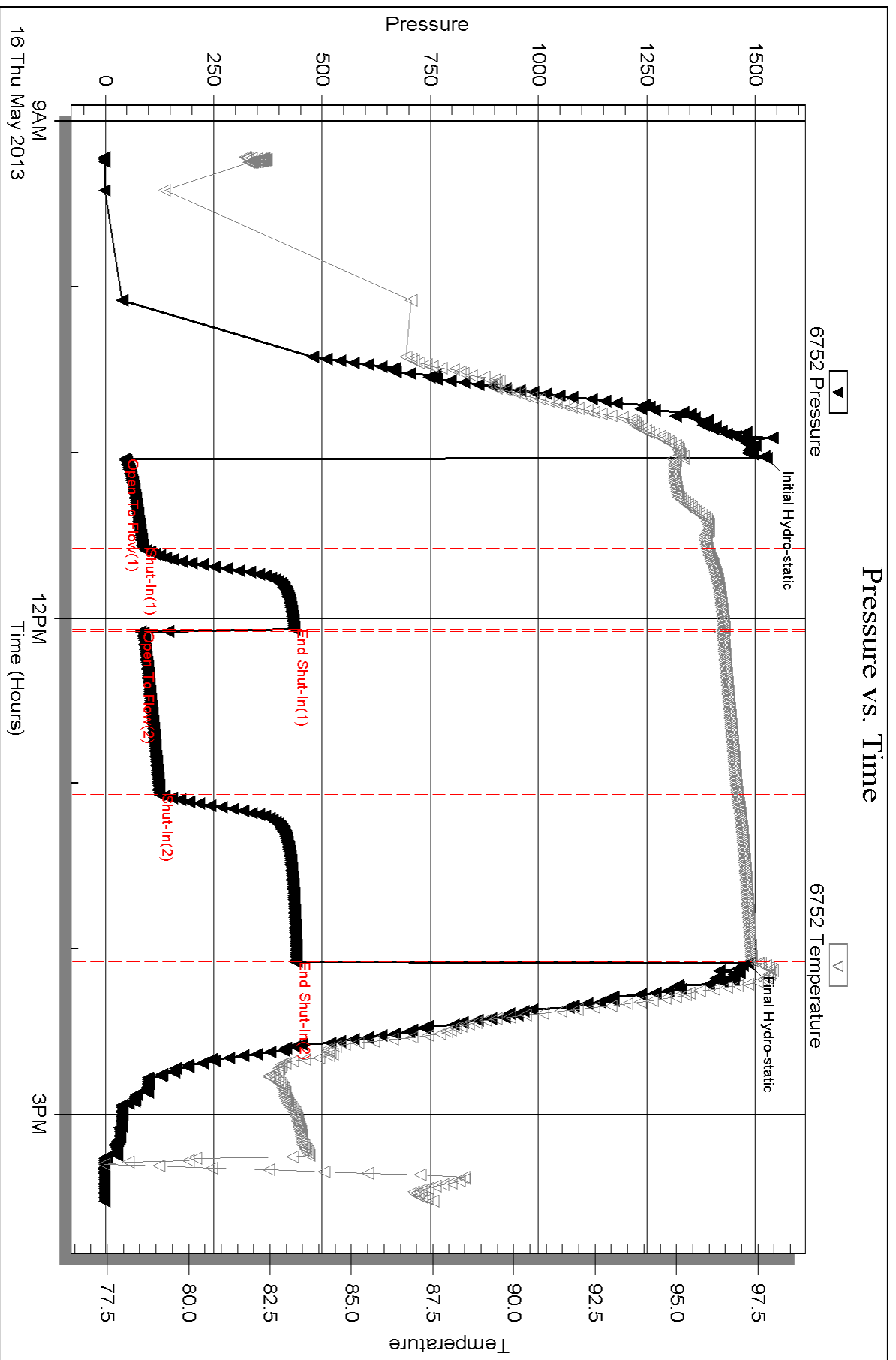
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

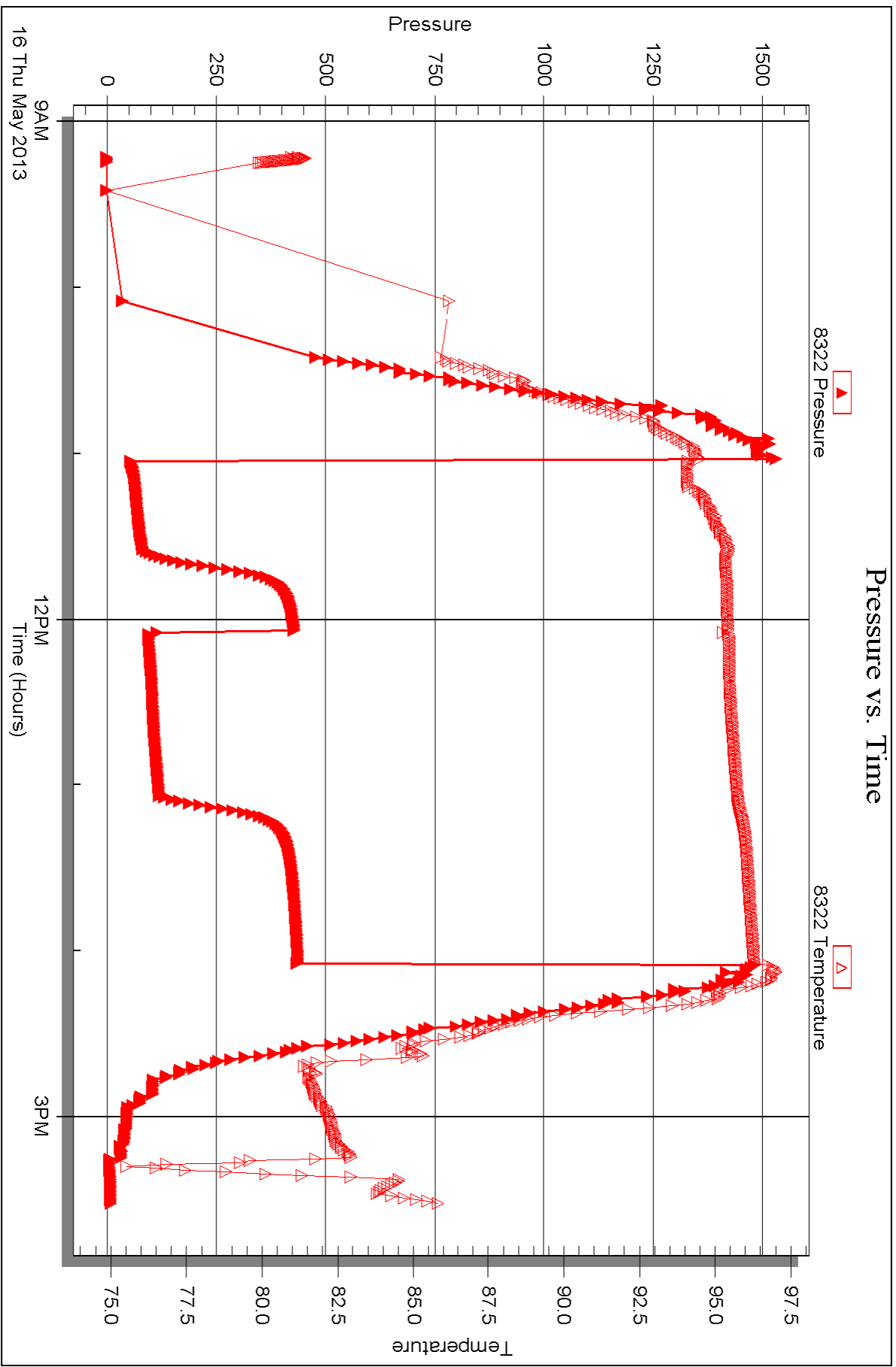


Serial #: 8322

Outside Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 871
Russell KS 67665

ATTN: Brad Hutchison

Holland Unit #1

26-12s-15w Russell,KS

Start Date: 2013.05.16 @ 23:34:00

End Date: 2013.05.17 @ 05:35:20

Job Ticket #: 52192 DST #: 2

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

Printed: 2013.05.24 @ 09:00:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665

Holland Unit #1

ATTN: Brad Hutchison

Job Ticket: 52192

DST#: 2

Test Start: 2013.05.16 @ 23:34:00

GENERAL INFORMATION:

Formation: **"F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:30

Time Test Ended: 05:35:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3055.00 ft (KB) To 3080.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ RunDepth: 53.40 psig @ 3057.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.16

End Date:

2013.05.17

Last Calib.: 2013.05.17

Start Time: 23:34:01

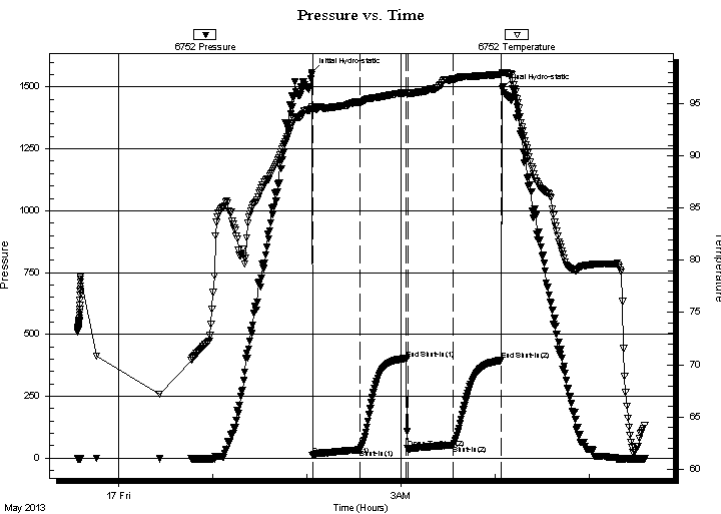
End Time:

05:35:20

Time On Btm: 2013.05.17 @ 02:03:20

Time Off Btm: 2013.05.17 @ 04:04:20

TEST COMMENT: 30 - IF- 5" blow
30 - IS- No return
30 - FF- Surged and died
30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.80	94.72	Initial Hydro-static
1	12.18	94.42	Open To Flow (1)
31	34.57	95.14	Shut-In(1)
60	399.81	96.06	End Shut-In(1)
61	38.32	96.00	Open To Flow (2)
90	53.40	97.33	Shut-In(2)
121	395.60	97.78	End Shut-In(2)
122	1491.78	97.98	Final Hydro-static

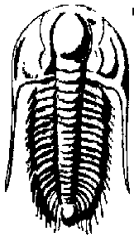
Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 30%W, 70%M	0.46
45.00	GMCWO, 5%G, 20%W, 29%M, 55%O	0.33

* 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

Holland Unit #1

ATTN: Brad Hutchison

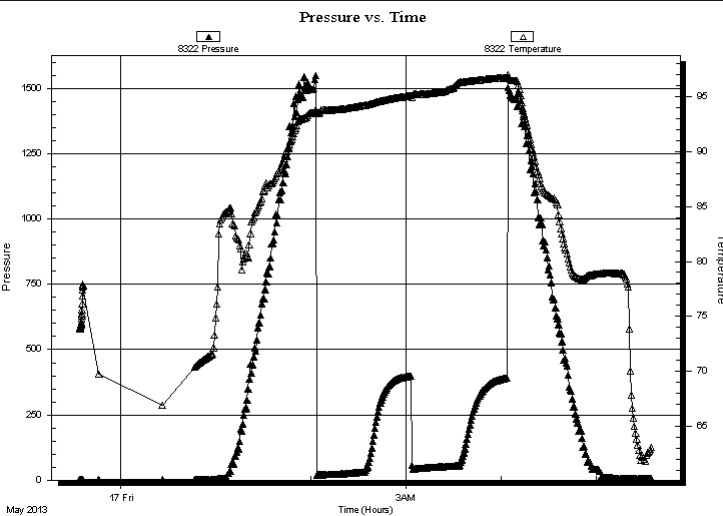
Job Ticket: 52192 **DST#: 2**
Test Start: 2013.05.16 @ 23:34:00

GENERAL INFORMATION:

Formation: **"F-G"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:03:30 Tester: Cody Bloedorn
 Time Test Ended: 05:35:20 Unit No: 41
Interval: 3055.00 ft (KB) To 3080.00 ft (KB) (TVD) Reference Elevations: 1797.00 ft (KB)
 Total Depth: 3080.00 ft (KB) (TVD) 1792.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8322 Outside
 Press @ Run Depth: psig @ 3057.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.16 End Date: 2013.05.17 Last Calib.: 2013.05.17
 Start Time: 23:34:01 End Time: 05:35:20 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF- 5" blow
 30 - IS- No return
 30 - FF- Surged and died
 30 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 30%W, 70%M	0.46
45.00	GMCWO, 5%G, 20%W, 29%M, 55%O	0.33

* 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

Holland Unit #1

Job Ticket: 52192

DST#: 2

ATTN: Brad Hutchison

Test Start: 2013.05.16 @ 23:34:00

Tool Information

Drill Pipe:	Length: 2709.00 ft	Diameter: 3.80 inches	Volume: 38.00 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 311.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 40.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3055.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3035.00	
Shut In Tool	5.00			3040.00	
Hydraulic tool	5.00			3045.00	
Packer	5.00			3050.00	21.00 Bottom Of Top Packer
Packer	5.00			3055.00	
Stubb	1.00			3056.00	
Perforations	1.00			3057.00	
Recorder	0.00	6752	Inside	3057.00	
Recorder	0.00	8322	Outside	3057.00	
Perforations	20.00			3077.00	
Bullnose	3.00			3080.00	25.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665

Holland Unit #1

Job Ticket: 52192

DST#: 2

ATTN: Brad Hutchison

Test Start: 2013.05.16 @ 23:34:00

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:

40000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	WM, 30%W, 70%M	0.455
45.00	GMCWO, 5%G, 20%W, 29%M, 55%O	0.331

Total Length: 107.00 ft Total Volume: 0.786 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .23@50 Degrees = 40,000

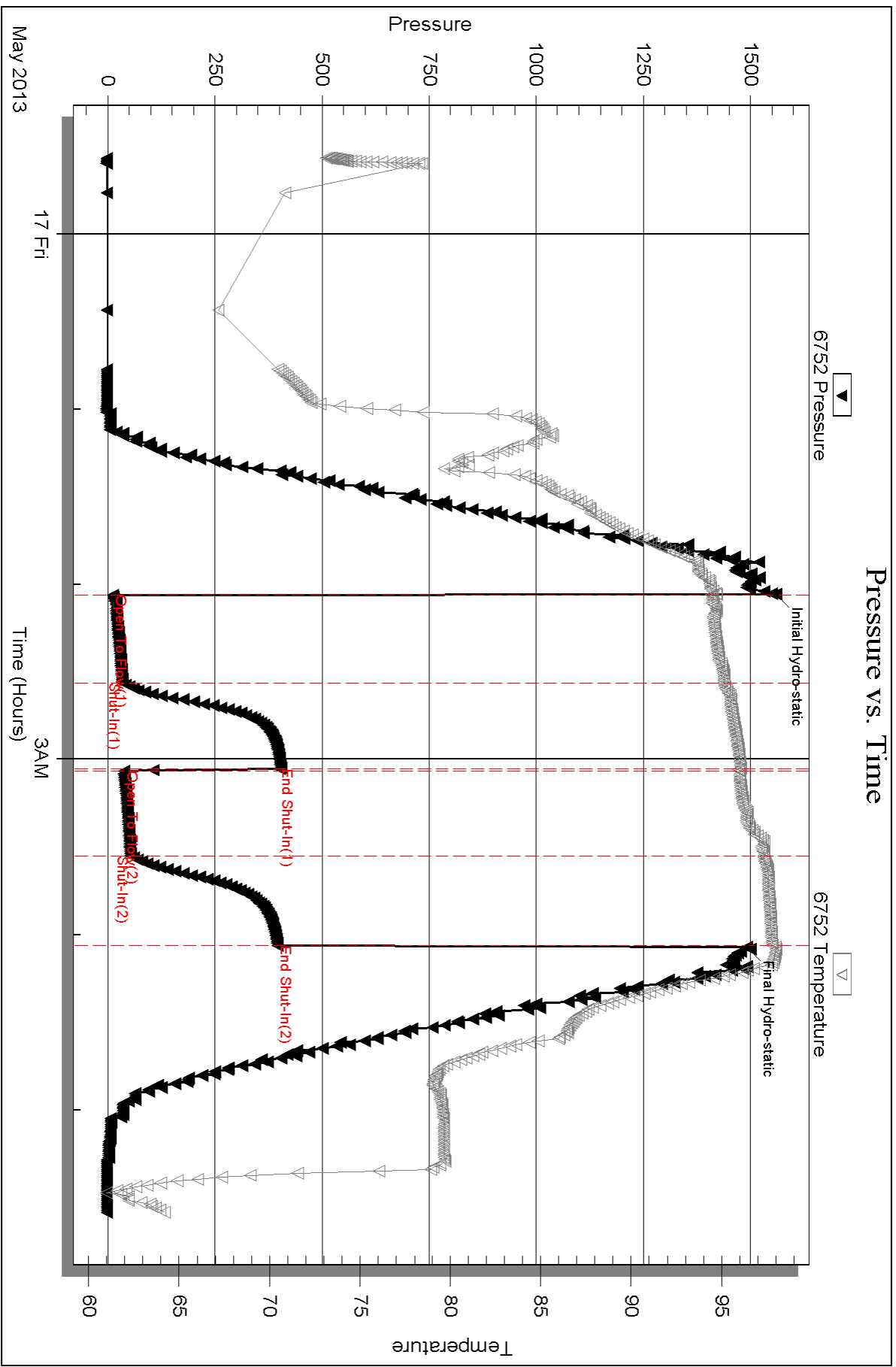
Serial #: 6752

Inside

Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 2

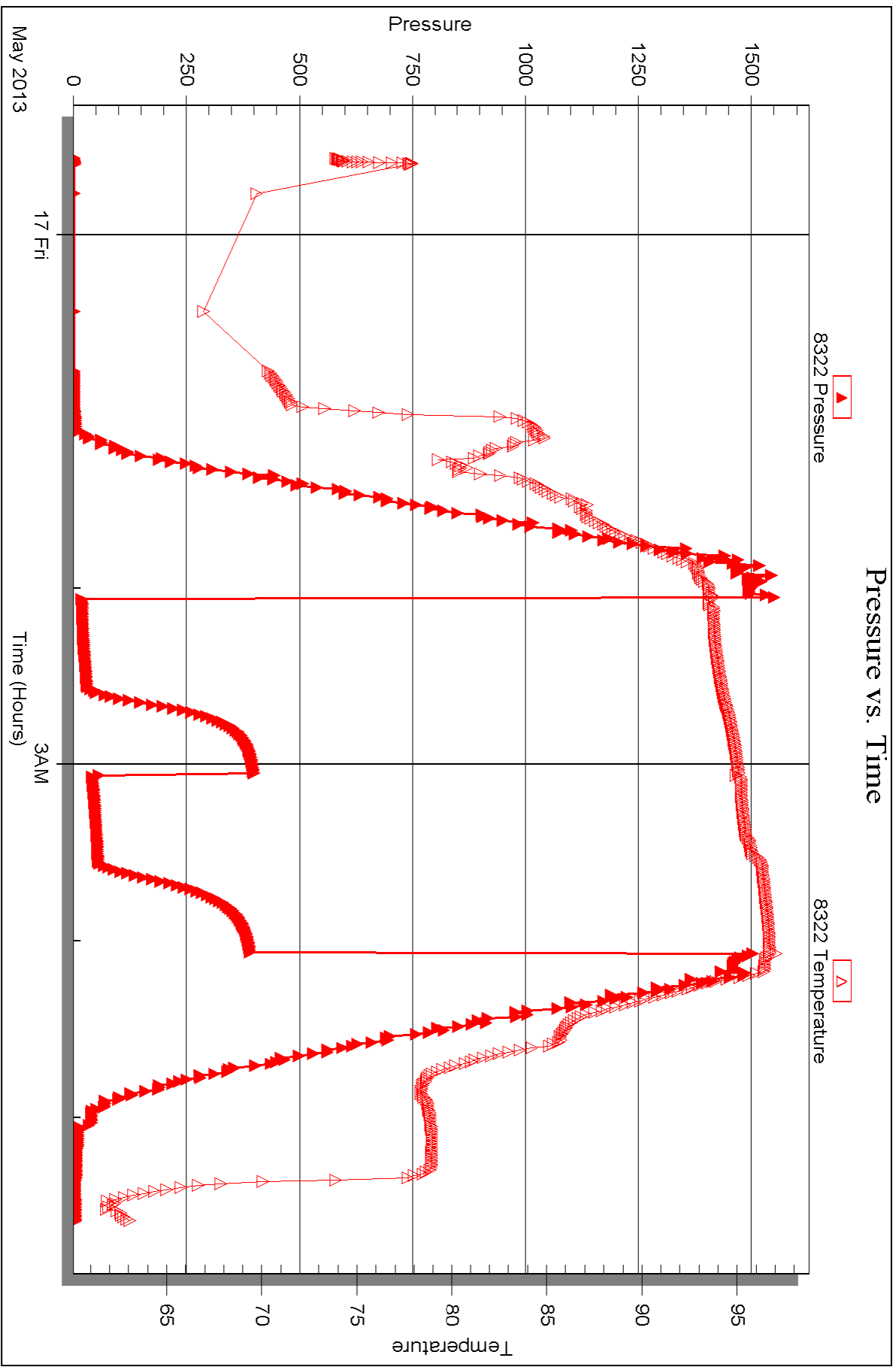


Serial #: 8322

Outside Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 871
Russell KS 67665

ATTN: Brad Hutchison

Holland Unit #1

26-12s-15w Russell,KS

Start Date: 2013.05.18 @ 07:09:00

End Date: 2013.05.18 @ 11:10:50

Job Ticket #: 52193 DST #: 3

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

Printed: 2013.05.24 @ 08:59:41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665

Holland Unit #1

ATTN: Brad Hutchison

Job Ticket: 52193

DST#: 3

Test Start: 2013.05.18 @ 07:09:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:30

Time Test Ended: 11:10:50

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3215.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press @ RunDepth: 19.32 psig @ 3216.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date:

2013.05.18

Last Calib.:

2013.05.18

Start Time: 07:09:01

End Time:

11:10:50

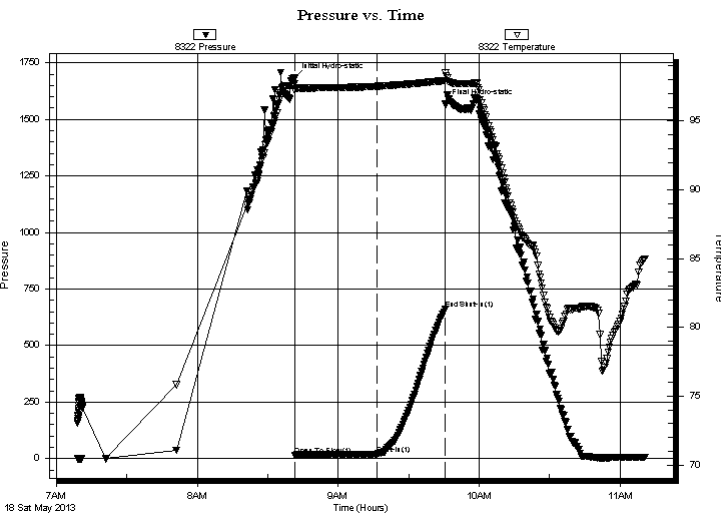
Time On Btm:

2013.05.18 @ 08:41:20

Time Off Btm:

2013.05.18 @ 09:45:40

TEST COMMENT: 30 - IF- 1/2" blow
30 - IS- No return, *PULLED TOOL*



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1683.13	97.74	Initial Hydro-static
1	15.25	97.23	Open To Flow (1)
35	19.32	97.52	Shut-In(1)
65	659.84	97.94	End Shut-In(1)
65	1569.21	98.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud, 100%M	0.22

* 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

Holland Unit #1

Job Ticket: 52193

DST#: 3

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 07:09:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:30

Time Test Ended: 11:10:50

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3215.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8734 Outside

Press @ RunDepth: psig @ 3216.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date:

2013.05.18

Last Calib.:

2013.05.18

Start Time: 07:09:01

End Time:

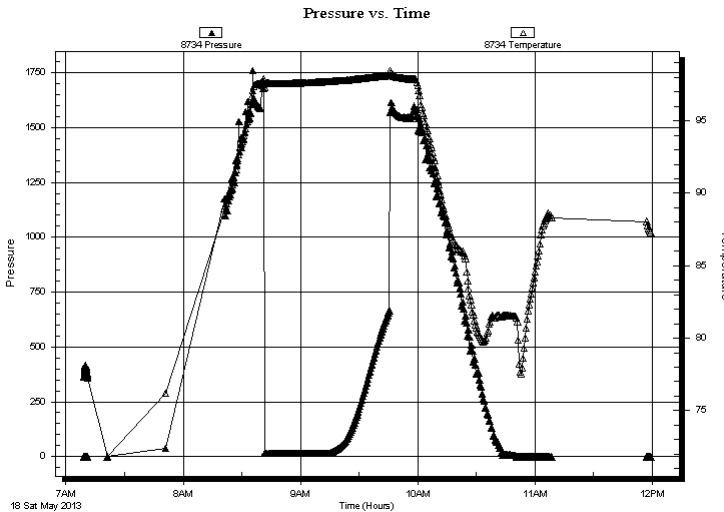
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Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 1/2" blow
30 - IS- No return, *PULLED TOOL*

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud, 100%M	0.22

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

Holland Unit #1

Job Ticket: 52193

DST#: 3

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 07:09:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:30

Time Test Ended: 11:10:50

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3215.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6752 Below (Straddle)

Press @ RunDepth: psig @ 3257.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date:

2013.05.18

Last Calib.:

2013.05.18

Start Time: 07:09:01

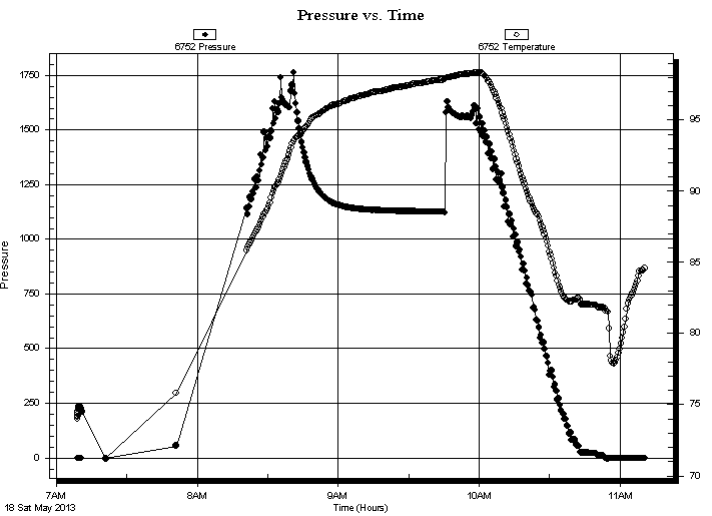
End Time:

11:10:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 1/2" blow
30 - IS- No return, *PULLED TOOL*



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud, 100%M	0.22

* 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

Holland Unit #1

Job Ticket: 52193

DST#: 3

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 07:09:00

Tool Information

Drill Pipe:	Length: 2869.00 ft	Diameter: 3.80 inches	Volume: 40.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 311.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 42.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3215.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	3250.00 ft			
Interval between Packers:	35.00 ft			
Tool Length:	134.00 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			3195.00	
Shut In Tool	5.00			3200.00	
Hydraulic tool	5.00			3205.00	
Packer	5.00			3210.00	21.00 Bottom Of Top Packer
Packer	5.00			3215.00	
Stubb	1.00			3216.00	
Recorder	0.00	8322	Inside	3216.00	
Recorder	0.00	8734	Outside	3216.00	
Perforations	29.00			3245.00	
Blank Off Sub	1.00			3246.00	
Blank Spacing	4.00			3250.00	35.00 Tool Interval
Packer	5.00			3255.00	
Stubb	1.00			3256.00	
Change Over Sub	1.00			3257.00	
Recorder	0.00	6752	Below	3257.00	
Change Over Sub	1.00			3258.00	
Drill Pipe	62.00			3320.00	
Change Over Sub	1.00			3321.00	
Perforations	4.00			3325.00	
Bullnose	3.00			3328.00	78.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665

Holland Unit #1

Job Ticket: 52193

DST#: 3

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 07:09:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud, 100%M	0.220

Total Length: 30.00 ft Total Volume: 0.220 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

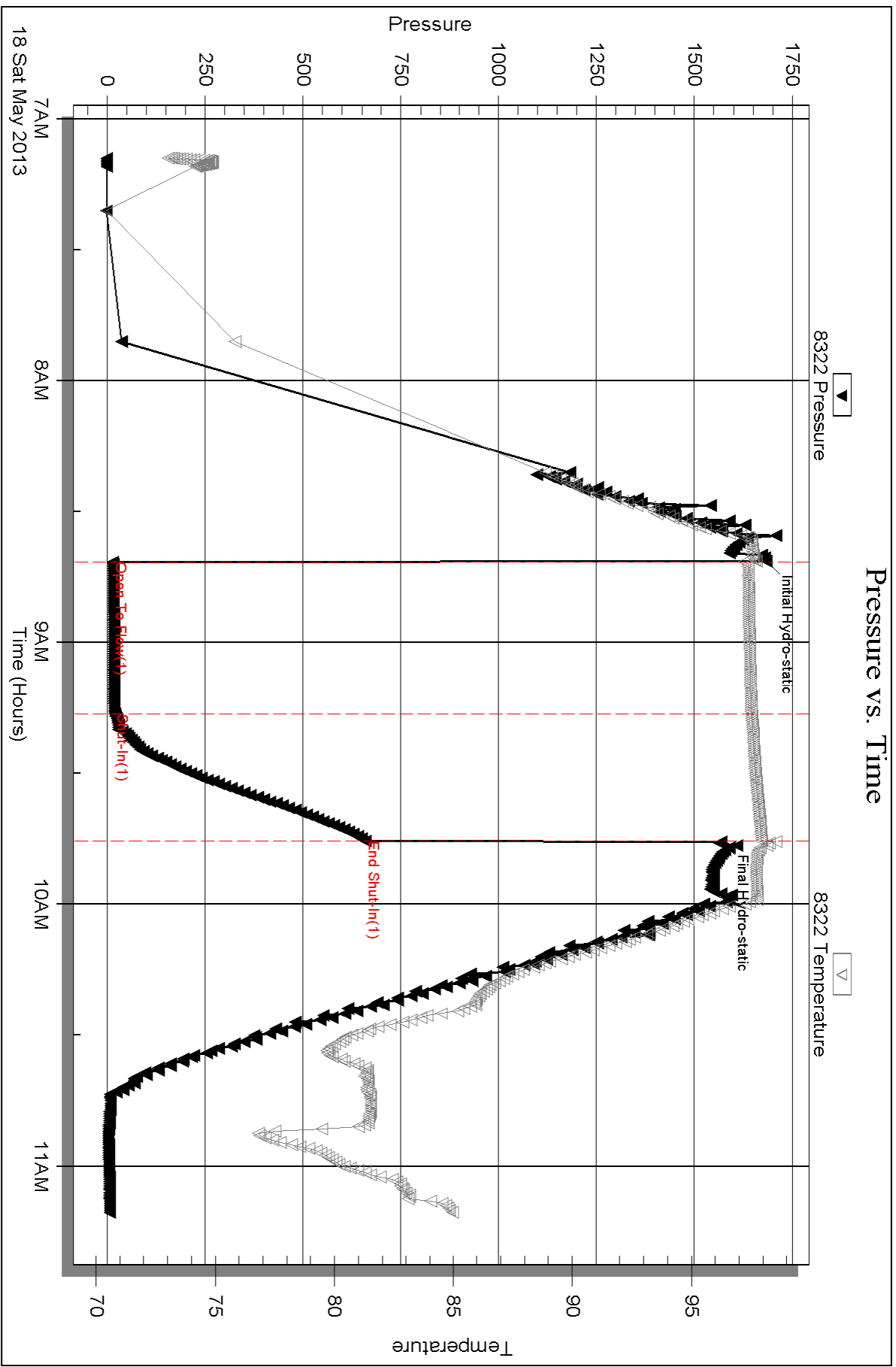
Serial #: 8322

Inside

Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 3

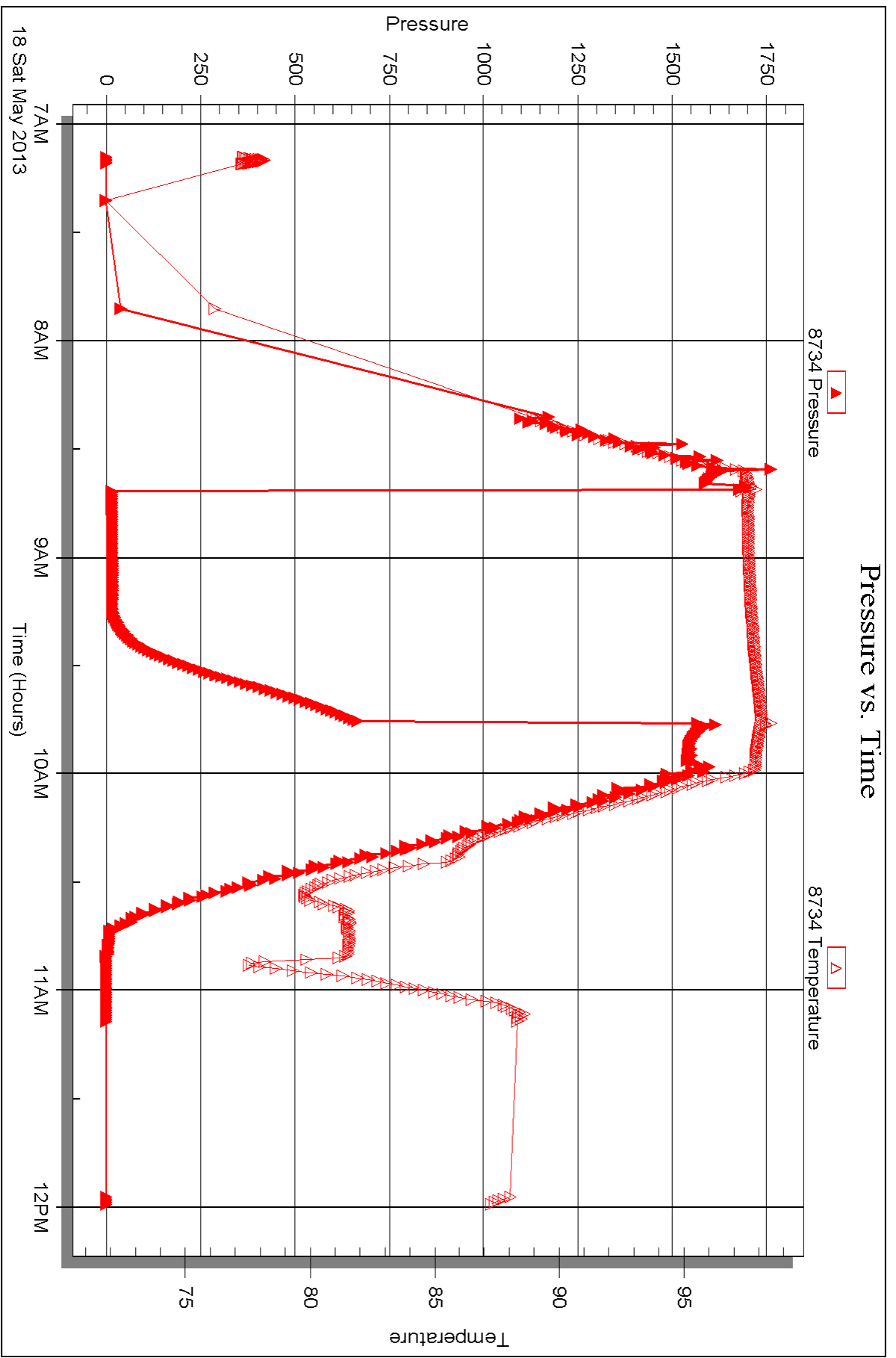


Serial #: 8734

Outside Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 3

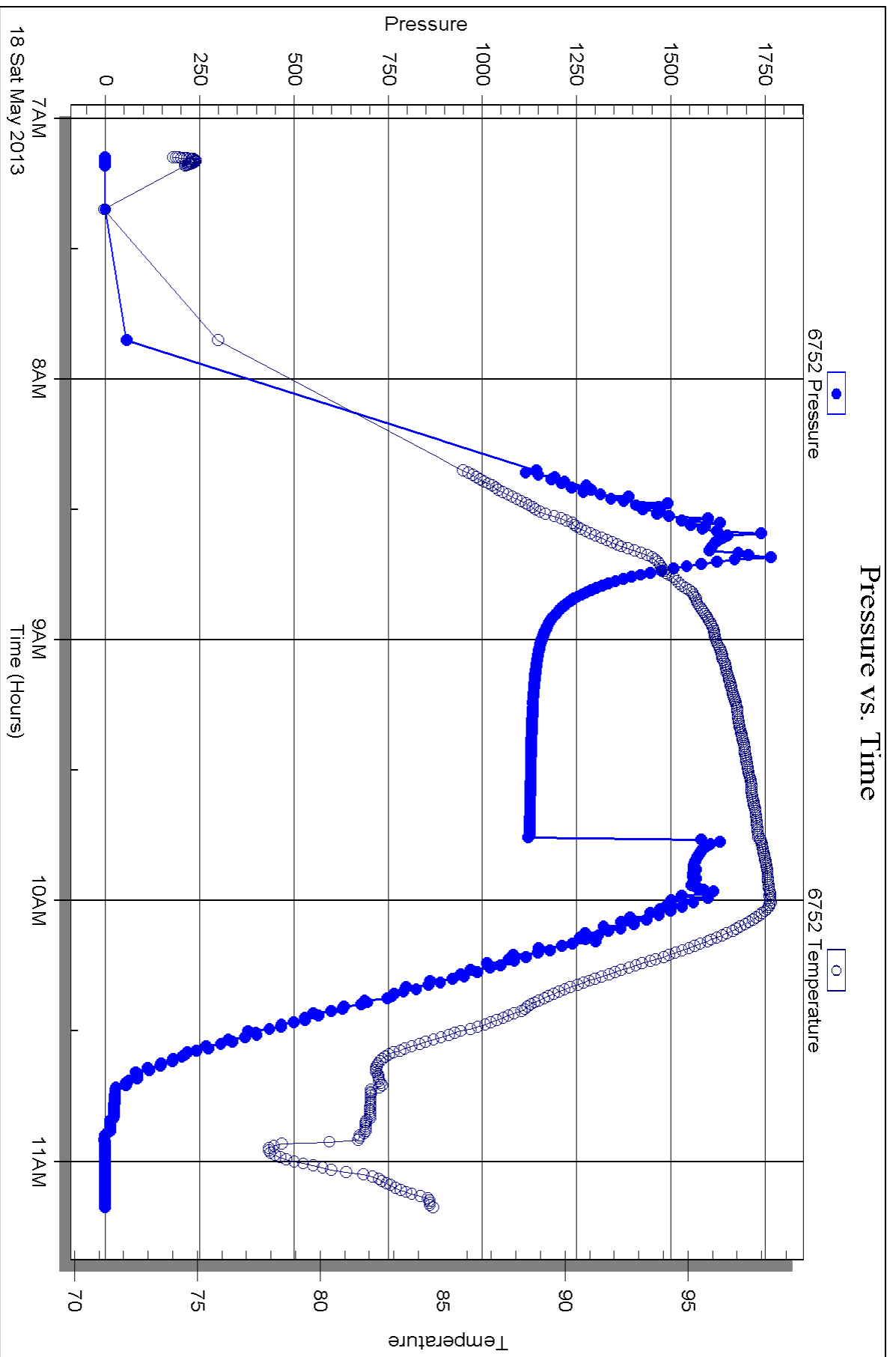


Serial #: 6752

Below (Stratfield) Oil & Leasing Inc

Holland Unit #1

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box 871
Russell KS 67665

ATTN: Brad Hutchison

Holland Unit #1

26-12s-15w Russell,KS

Start Date: 2013.05.18 @ 11:33:00

End Date: 2013.05.18 @ 16:55:20

Job Ticket #: 52194 DST #: 4

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

Printed: 2013.05.24 @ 08:58:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665

Holland Unit #1

ATTN: Brad Hutchison

Job Ticket: 52194

DST#: 4

Test Start: 2013.05.18 @ 11:33:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:04:40

Time Test Ended: 16:55:20

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3244.00 ft (KB) To 3260.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 459.16 psig @ 3245.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date:

2013.05.18

Last Calib.: 2013.05.18

Start Time: 11:33:01

End Time:

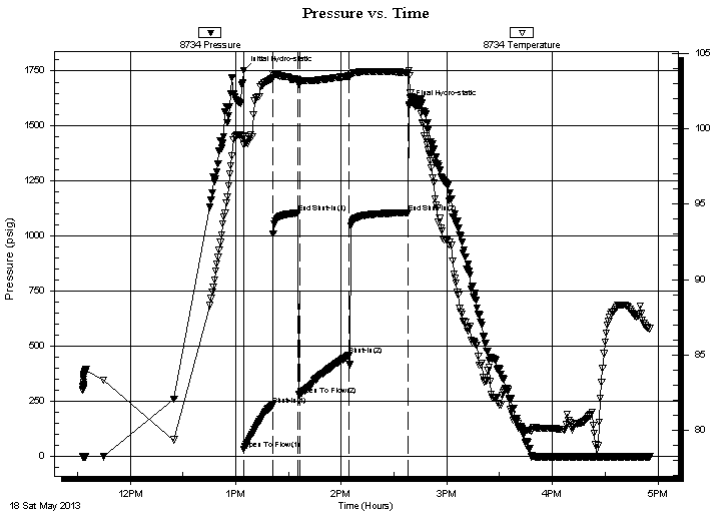
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Time On Btm: 2013.05.18 @ 13:04:30

Time Off Btm: 2013.05.18 @ 14:38:30

TEST COMMENT: 15 - IF- B.O.B. in 4 Minues
15 - IS- No return
30 - FF- B.O.B. in 5 Minutes
30 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1753.03	99.53	Initial Hydro-static
1	31.54	98.92	Open To Flow (1)
17	233.22	103.38	Shut-In(1)
31	1105.51	103.28	End Shut-In(1)
32	278.87	103.00	Open To Flow (2)
60	459.16	103.50	Shut-In(2)
94	1107.43	103.73	End Shut-In(2)
94	1598.78	103.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW, 40%M, 60%W	0.46
806.00	MW, 5%M, 95%W	9.37
124.00	MW, 40%M, 60%W	1.74

* 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

Holland Unit #1

Job Ticket: 52194

DST#: 4

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 11:33:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:04:40

Time Test Ended: 16:55:20

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3244.00 ft (KB) To 3260.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press @ Run Depth: psig @ 3245.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date:

2013.05.18

Last Calib.:

2013.05.18

Start Time: 11:33:01

End Time:

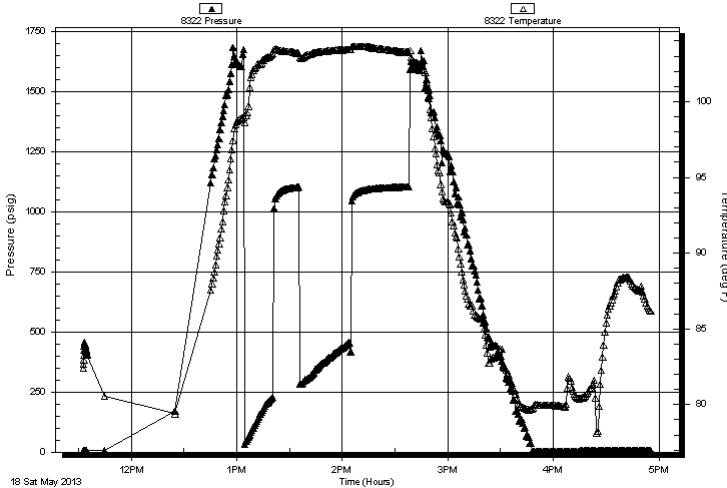
16:55:20

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF- B.O.B. in 4 Minues
15 - IS- No return
30 - FF- B.O.B. in 5 Minutes
30 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW, 40%M, 60%W	0.46
806.00	MW, 5%M, 95%W	9.37
124.00	MW, 40%M, 60%W	1.74

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

Holland Unit #1

Job Ticket: 52194

DST#: 4

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 11:33:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:04:40

Time Test Ended: 16:55:20

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3244.00 ft (KB) To 3260.00 ft (KB) (TVD)

Reference Elevations: 1797.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6752 Below (Straddle)

Press @ RunDepth: psig @ 3300.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.18

End Date: 2013.05.18

Last Calib.: 2013.05.18

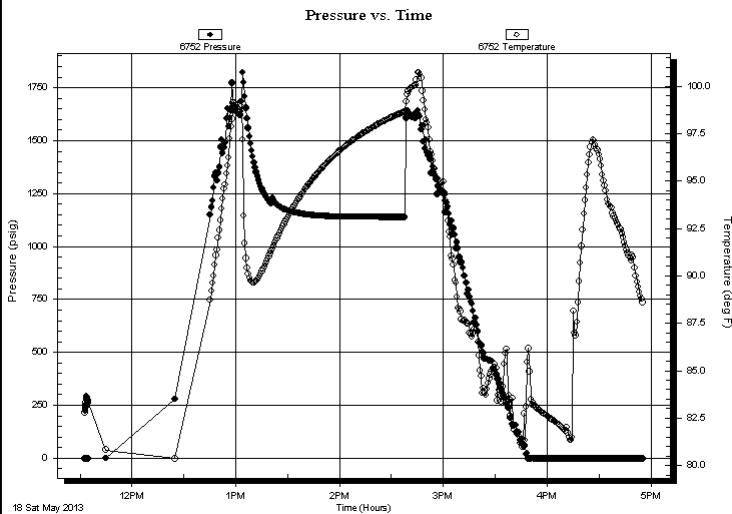
Start Time: 11:33:01

End Time: 16:55:20

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF- B.O.B. in 4 Minues
15 - IS- No return
30 - FF- B.O.B. in 5 Minutes
30 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW, 40%M, 60%W	0.46
806.00	MW, 5%M, 95%W	9.37
124.00	MW, 40%M, 60%W	1.74

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

Holland Unit #1

Job Ticket: 52194

DST#: 4

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 11:33:00

Tool Information

Drill Pipe:	Length: 2899.00 ft	Diameter: 3.80 inches	Volume: 40.67 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 311.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 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: 43.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3244.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	3260.00 ft			
Interval between Packers:	16.00 ft			
Tool Length:	105.00 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			3224.00	
Shut In Tool	5.00			3229.00	
Hydraulic tool	5.00			3234.00	
Packer	5.00			3239.00	21.00 Bottom Of Top Packer
Packer	5.00			3244.00	
Stubb	1.00			3245.00	
Recorder	0.00	8322	Inside	3245.00	
Recorder	0.00	8734	Outside	3245.00	
Perforations	10.00			3255.00	
Blank Off Sub	1.00			3256.00	
Blank Spacing	4.00			3260.00	16.00 Tool Interval
Packer	5.00			3265.00	
Stubb	1.00			3266.00	
Change Over Sub	1.00			3267.00	
Drill Pipe	31.00			3298.00	
Change Over Sub	1.00			3299.00	
Change Over Sub	1.00			3300.00	
Recorder	0.00	6752	Below	3300.00	
Perforations	25.00			3325.00	
Bullnose	3.00			3328.00	68.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665

Holland Unit #1

Job Ticket: 52194

DST#: 4

ATTN: Brad Hutchison

Test Start: 2013.05.18 @ 11:33:00

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:

30000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	MW, 40%M, 60%W	0.455
806.00	MW, 5%M, 95%W	9.369
124.00	MW, 40%M, 60%W	1.739

Total Length: 992.00 ft Total Volume: 11.563 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Chlorides 30000

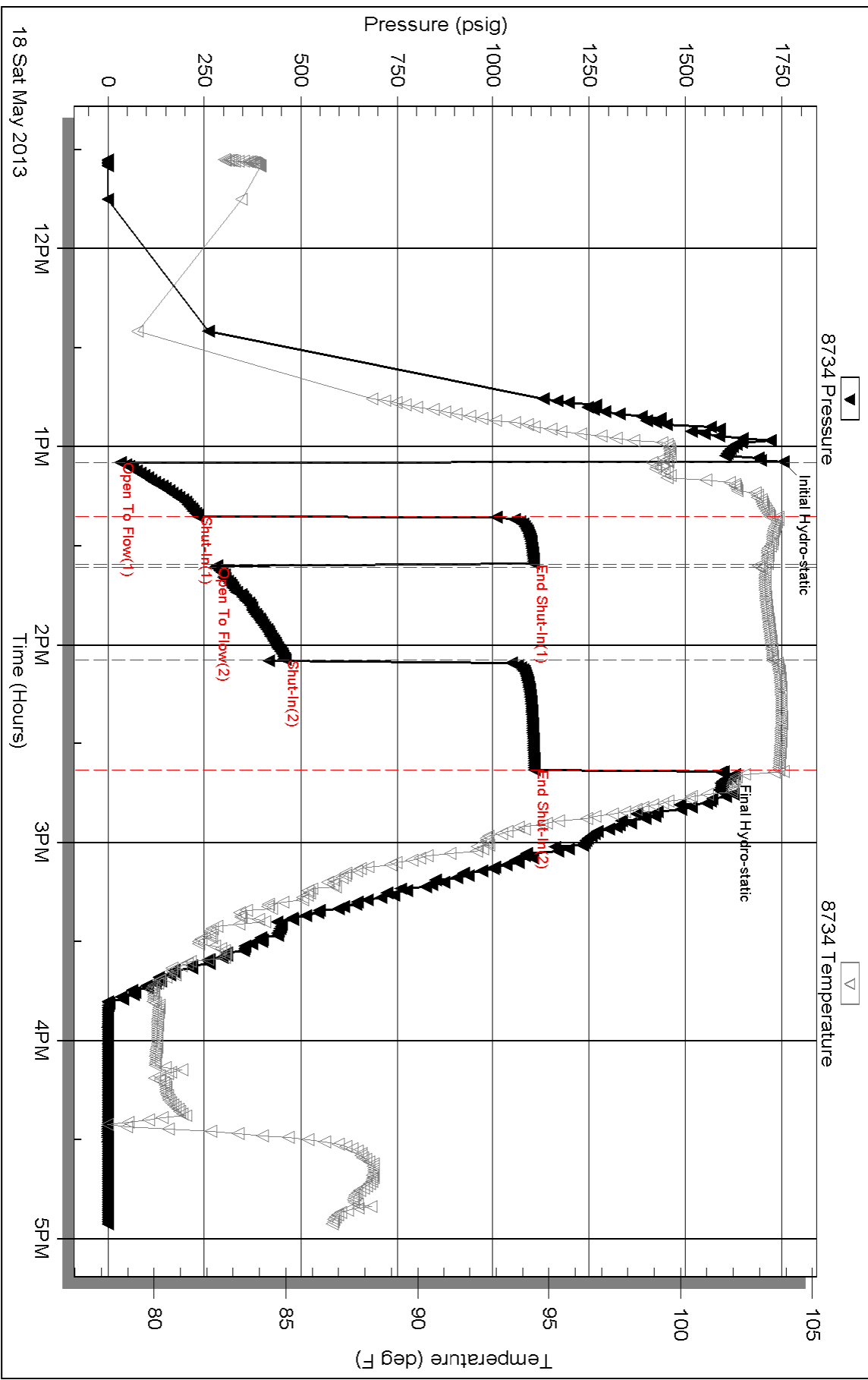
Serial #: 8734

Outside Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52194

Printed: 2013.05.24 @ 08:58:55

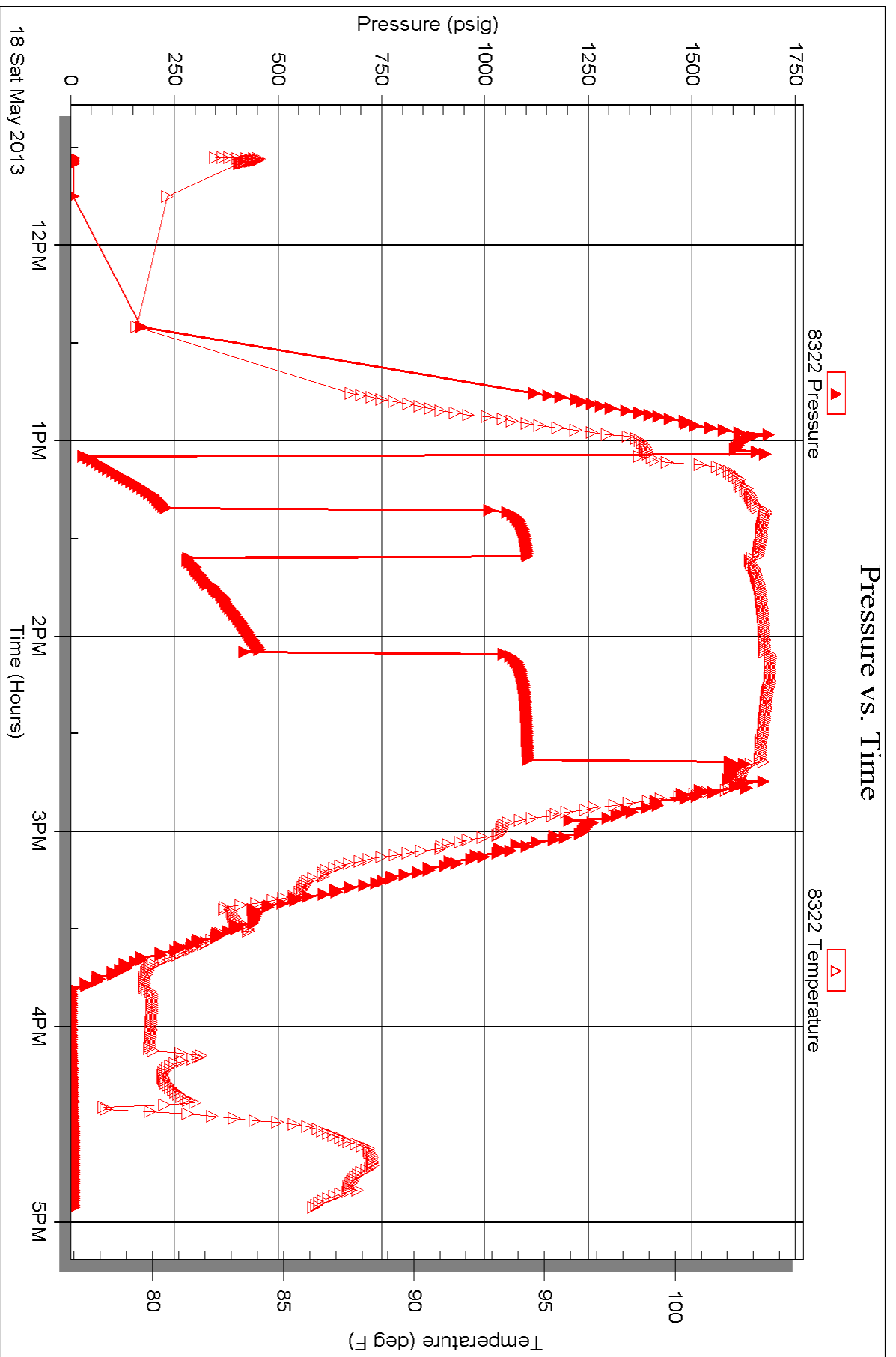
Serial #: 8322

Inside

Brungardt Oil & Leasing Inc

Holland Unit #1

DST Test Number: 4

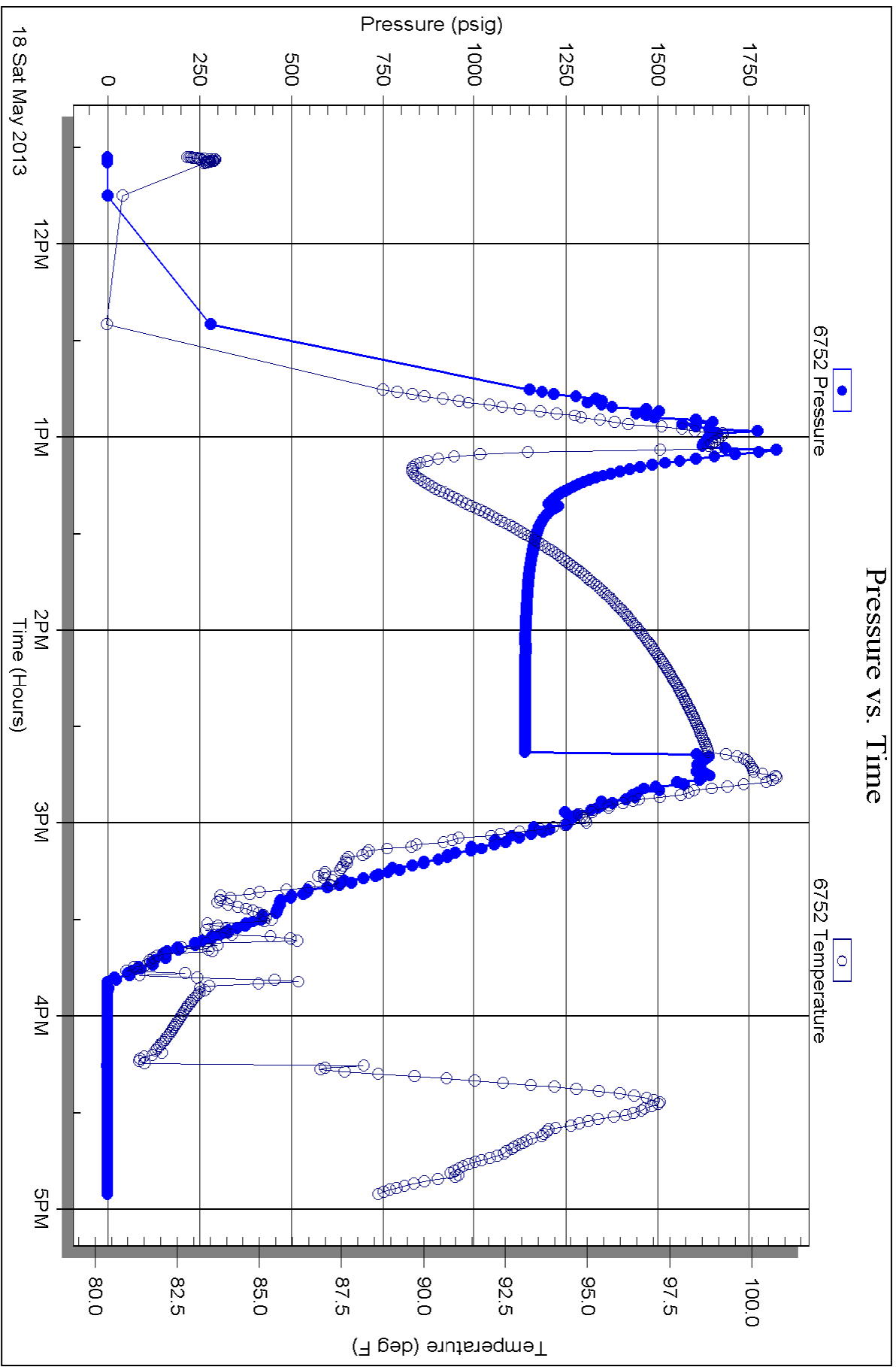


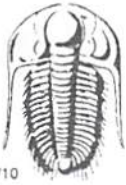
Serial #: 6752

Below (Stratfield)prod Oil & Leasing Inc

Holland Unit #1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52191

Well Name & No. Holland Unit #1 Test No. 1 Date 5-16-13
 Company Brundgardt oil & leasing Inc Elevation 1797 KB 1792 GL
 Address Po Box 871, Russell KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig shields
 Location: Sec. 26 Twp. 12s Rge. 5w Co. Russell State KS

Interval Tested 2955 - 3030 Zone Tested A-C
 Anchor Length 75' Drill Pipe Run 2617' Mud Wt. 8.9
 Top Packer Depth 2950 Drill Collars Run 30' Vis 55
 Bottom Packer Depth 2955 Wt. Pipe Run 311' WL 7.2
 Total Depth 3030 Chlorides 5,400 ppm System LCM -

Blow Description IF- 5" blow
ISI- weak surface blow, died in 10 minutes
FF- 8" blow
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>GW M</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>107</u>	<u>GUSOCM</u>	<u>5</u>	<u>5</u>	<u>90</u>	
	<u>124' of G.I.P.</u>				

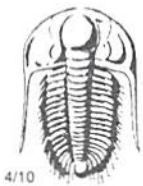
Rec Total 169' BHT 97° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1526 Test 1150 T-On Location 7:44am
 (B) First Initial Flow 45 Jars - T-Started 9:13am
 (C) First Final Flow 86 Safety Joint - T-Open 11:03am
 (D) Initial Shut-In 434 Circ Sub - T-Pulled 2:03pm
 (E) Second Initial Flow 81 Hourly Standby - T-Out 3:31pm
 (F) Second Final Flow 124 Mileage 58 RT 89.90 Comments -
 (G) Final Shut-In 440 Sampler -
 (H) Final Hydrostatic 1482 Straddle -
 Ruined Shale Packer -
 Ruined Packer -

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60
 Extra Packer -
 Extra Recorder -
 Day Standby -
 Accessibility -
 Sub Total 1239.90
 Sub Total 1239.90
 Total 1239.90
 MP/DST Disc't -

Approved By _____ Our Representative Cody [Signature]

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. 52192

Well Name & No. Holland unit #1 Test No. 2 Date 5-17-13
 Company Brundgardt oil & Leasing Elevation 1797 KB 1792 GL
 Address Po Box 871, Russell KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields
 Location: Sec. 26 Twp. 12s Rge. 15w Co. Russell State KS

Interval Tested 3055-3080 Zone Tested "F-6"
 Anchor Length 25' Drill Pipe Run 2709 Mud Wt. 9.2
 Top Packer Depth 3050 Drill Collars Run 30 Vis 47
 Bottom Packer Depth 3055 Wt. Pipe Run 311 WL 7.8
 Total Depth 3080 Chlorides 7,600 ppm System LCM —

Blow Description IF-5" blow
IF- No return
FF- Surged & died
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>WM</u>		<u>30</u>	<u>70</u>	
<u>45</u>	<u>GMCWO</u>	<u>5</u>	<u>55</u>	<u>20</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

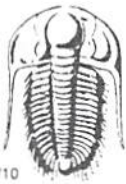
Rec Total 107' BHT 970 Gravity — API RW .23 @ 50° F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1558 Test 1150 T-On Location 11:15 pm
 (B) First Initial Flow 12 Jars T-Started 11:34 pm
 (C) First Final Flow 34 Safety Joint T-Open 2:02 am
 (D) Initial Shut-In 399 Circ Sub T-Pulled 4:02 am
 (E) Second Initial Flow 38 Hourly Standby T-Out 5:34 am
 (F) Second Final Flow 53 Mileage 58 RT 89.90
 (G) Final Shut-In 395 Sampler
 (H) Final Hydrostatic 1491 Straddle

Initial Open 30 Ruined Shale Packer
 Initial Shut-In 30 Ruined Packer
 Final Flow 30 Extra Copies
 Final Shut-In 30 Extra Recorder Sub Total 0
 Day Standby Total 1239.90
 Accessibility MP/DST Disc't
 Sub Total 1239.90

Approved By _____ Our Representative Cody R...

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52193

Well Name & No. Holland unit # 1 Test No. 3 Date 5-18-13
 Company Brundgardt Oil & Leasing, Inc Elevation 1797 KB 1792 GL
 Address Po Box 871, Russell KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields
 Location: Sec. 26 Twp. 12s Rge. 15w Co. Russell State KS

Interval Tested 3215 - 3250 Zone Tested Arbuckle
 Anchor Length 35' 73'tail Drill Pipe Run 2869' Mud Wt. 9.0
 Top Packer Depth 3210 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 3215 Wt. Pipe Run 311' WL 8.0
 Total Depth 3250 Chlorides 8,200 ppm System LCM 8,200

Blow Description FF- 1/2" blow
ISI- No return * Pulled TOOL *
~~FF~~
~~FF~~

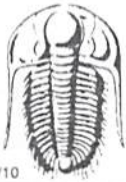
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 970 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1683</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:55 am</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars	T-Started <u>7:09 am</u>
(C) First Final Flow <u>19</u>	<input type="checkbox"/> Safety Joint	T-Open <u>8:44 am</u>
(D) Initial Shut-In <u>659</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>9:44 am</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:12 am</u>
(F) Second Final Flow <u>-</u>	<input checked="" type="checkbox"/> Mileage <u>580 RM 29</u> 89.90	Comments
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1569</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow	<input type="checkbox"/> Extra Recorder	Sub Total <u>50</u>
Final Shut-In	<input checked="" type="checkbox"/> Day Standby <u>over 24 hrs</u> 1d 1.5h	Total <u>1889.90</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1839.90</u>	

Approved By _____ Our Representative Cody R. [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52194

Well Name & No. Holland unit #1 Test No. 4 Date 5-18-13
 Company Brundgardt Oil & Leasing Inc Elevation 1797 KB 1792 GL
 Address Po Box 871, Russell KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields
 Location: Sec. 26 Twp. 12s Rge. 15w Co. Russell State KS

Interval Tested 3244-3260 Zone Tested Arbuckle
 Anchor Length 16' 63'tail Drill Pipe Run 2899 Mud Wt. 9.0
 Top Packer Depth 3239 Drill Collars Run 30 Vis 52
 Bottom Packer Depth 3244 Wt. Pipe Run 311 WL 8.0
 Total Depth 3260 Chlorides 8,200 ppm System LCM -
 Blow Description IF- B.O.B. in 4 Minutes
ISI- No return
FF- B.O.B. in 5 Minutes
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MW</u>		<u>60</u>	<u>40</u>	
<u>806</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>124</u>	<u>MW</u>		<u>60</u>	<u>40</u>	

Rec Total 996 BHT 103° Gravity - API RW .26 @ 60° F Chlorides 30,000 ppm
 (A) Initial Hydrostatic 1753 Test 1150 T-On Location 11:22 am
 (B) First Initial Flow 31 Jars _____ T-Started 11:33 am
 (C) First Final Flow 233 Safety Joint _____ T-Open 1:07 pm
 (D) Initial Shut-In 1105 Circ Sub _____ T-Pulled 2:37 pm
 (E) Second Initial Flow 278 Hourly Standby _____ T-Out 4:56 pm
 (F) Second Final Flow 459 Mileage 29 Comments 29 here for Dst 3
 (G) Final Shut-In 1107 Sampler _____ 29 to go home after
 (H) Final Hydrostatic 1598 Straddle 600 Dst 4.
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____ Sub Total 0
 Initial Shut-In 15 Extra Recorder _____ Total 1750
 Final Flow 30 Day Standby _____
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1750

Approved By _____ Our Representative Cody Bl...
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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 UNIT #1</u> FIELD <u>SW SE SW SW</u> LOCATION _____ SEC <u>26</u> TWSP <u>12S</u> RGE <u>15W</u> COUNTY <u>RUSSELL</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>1802'</u> DF _____ GL <u>1797'</u> Measurements Are All From <u>Kelly Boring</u>
CONTRACTOR <u>SHIELDS OIL PRODUCERS</u> SPUD <u>5-11-2013</u> COMP <u>5-18-2013</u> RTD <u>3325</u> LTD <u>3323</u> MUD UP <u>2400'</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 5/8" @ 211'</u> PRODUCTION <u>None</u> ELECTRICAL SURVEYS CNL/COL DIL MEL

SAMPLES SAVED FROM 2650' TO RTD
 DRILLING TIME KEPT FROM 2600' TO RTD
 SAMPLES EXAMINED FROM 2650' TO RTD
 GEOLOGICAL SUPERVISION FROM 2650' TO RTD
 GEOLOGIST ON WELL BRAD J HUTCHINSON

FORMATION TOPS	LOG	SAMPLES	
ANHYDRITE	872 (+930)(+2)	875 (+927)	
TOPEKA	2701 (-899)(+3)	2704 (-902)	
HEEBNER	2920 (-1118)(+4)	2926 (-1124)	
TORONTO	2941 (-1139)(+4)	2946 (-1144)	
LANSING	2972 (-1170)(+4)	2974 (-1172)	
Base Kansas City	3218 (-1416)(+6)	3226 (-1424)	26
ARBUCKLE	3239 (-1437)(+1)	3242 (-1440)	
	↑ structural		
		Comparator	-0-
Reference Well:			
JOHN O. FARMER	HOLLAND "D"-1 E/2 NE NW NW, Sec. 35-125-15W		

7505

REMARKS It was recommended based on the four (4) negative drillstem tests and there being no zones worthy of any further testing, that the Howard Unit #1, be plugged and abandoned at a total log depth of 3323. (-1511)

5-11-13	MIRU
5-12-13	214'
5-13-13	895'
5-14-13	1960'
5-15-13	2670'
5-16-13	3030'
5-17-13	3183'
5-18-13	3325'

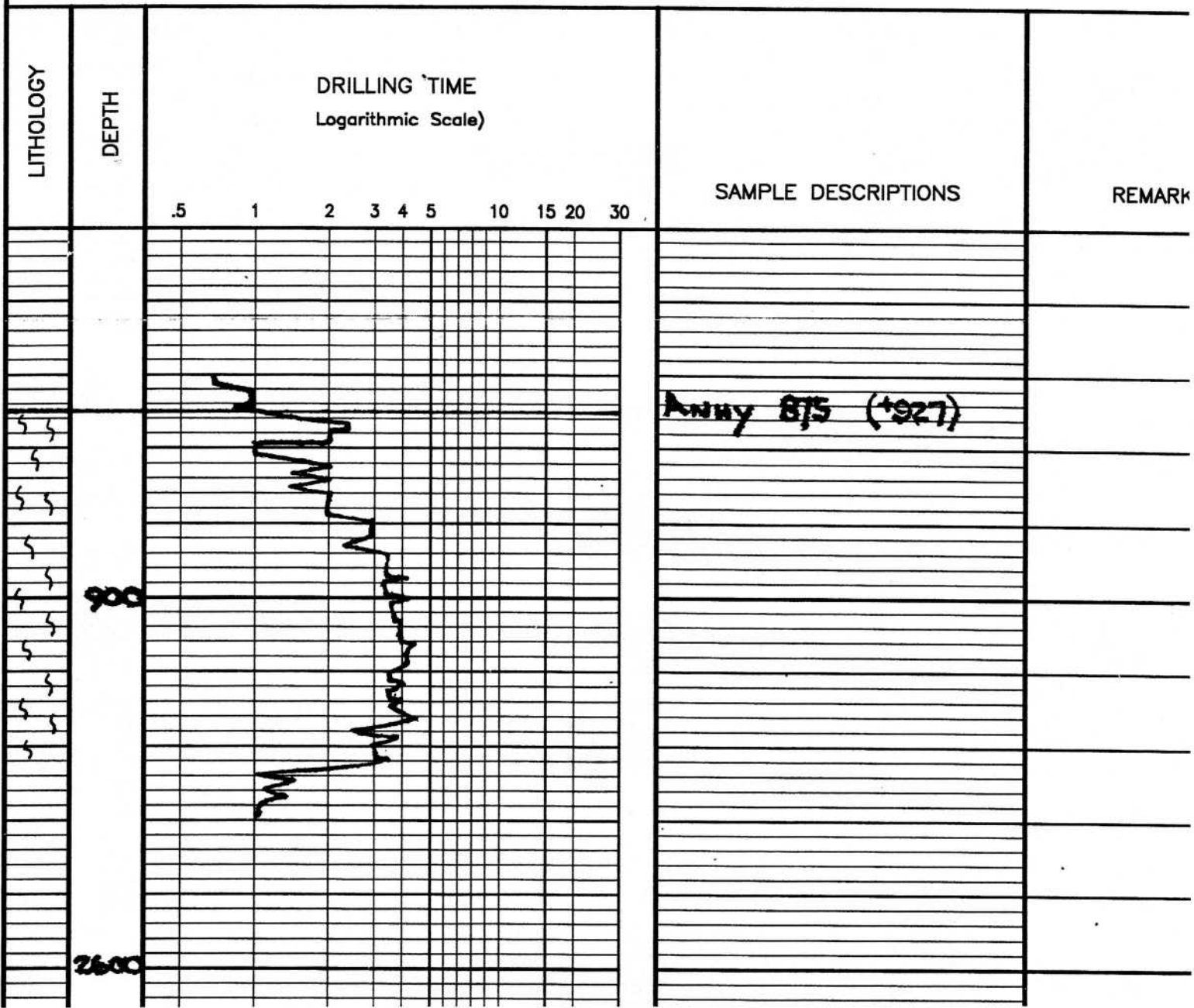
Respectfully Submitted,
Brad J. Hutchison
 Brad J. Hutchison

Survey:	DEPTH:	DEVIATION:
	214'	3/4°
	3030'	3/4°

LOG 7702

LEGEND

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

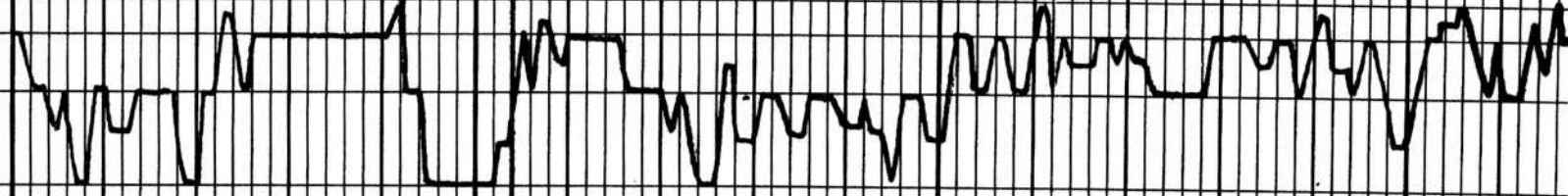


50

2700

50

2800



SH GRY TR LF GRY
55.1

LOPKA 2704 (-902)

lt GRY - base Dse
A (Eddy) TR 500

SH GRY

lt CRH - WHIT chalky
E055.1

SH BRICK red = pale gra

SH AA TR GRY 6050
A

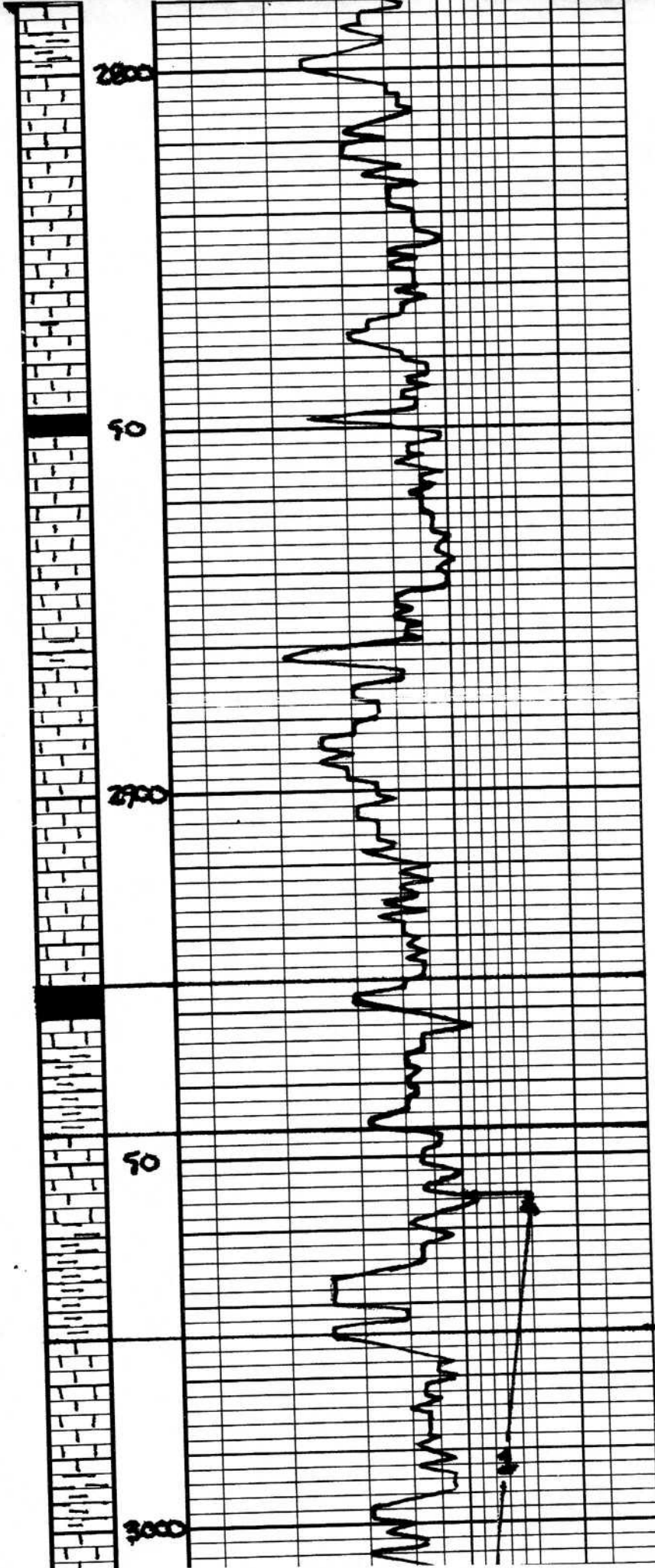
lt GRY Dse 617

Same AA.

SH blk carb.

SH GRY pale gra.

lt WHIT FOYL 61.000
TR 000 2 TR 001 1.500
TR 00 01 000



sh gry pale gm.,

ls wlt FNXL bl ool
TR ool of TR opt LT str
TR FO FT odor

Abund gry sh - cavings -

Abund wlt chalk

sh blk carb.,

ls wlt - cream
highly chunky

AA very chunky

sh blk carb.,

ls cream - wlt FNXL - chunky
TR opt edge str.

ls cream chunky

Same AA

No. 2926 (-1134)
sh blk carb.,
sh brick rd

(LANSING) 2946 (-144)
L5 BUFF DSE

sh red disk gm gry
- gumbo -

LANSING 2974 (-1172)
L5 CRM - BUFF VERNL
NO VISO' scd lt ben (even
str NEO FT odor

AA.,

sh pale gm - gry
gumbo.,

ls CRM FNXL ool - Ford bed
int ool - forecast of ER scd
lt ben str - sat. sh SFO

DST-1 2955-'
80-30-60
KF 5"
FF 8"
Rec. 124' 6"
62' GWM
10% g 30%
107' GV50CM
5% g 5% o
KTD 1425-4

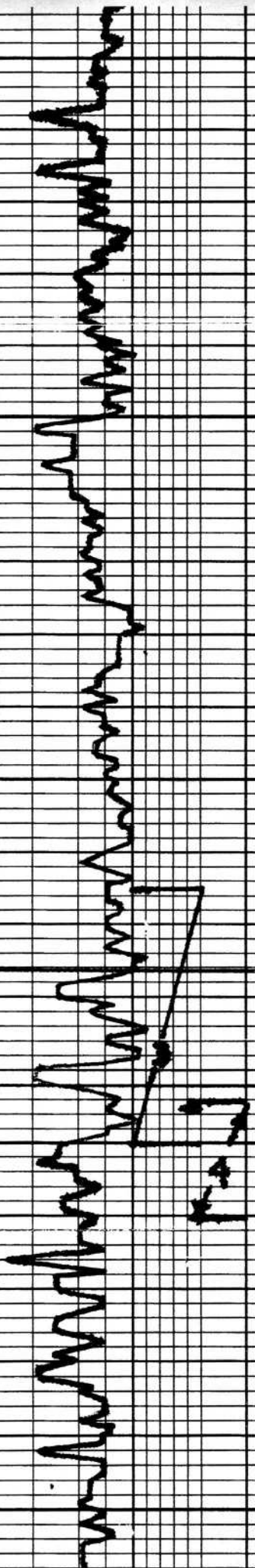
3100

50

3200

50

3300



AA

sh blk carb.,

ly buff-tan Dse.

sh gry

ly buff-cem Frix
highly sol TR spt pr
ppd bldt bow str
NEO FT odor

sh gry

ly lt gry ool-sh Koss
Dse tr v. pr spt
str., NEO or odor.

ly gry Dse

sh blk carb.,

ly TR-buff Dse.

sh gry gumb.

ly lt gry Dse.

sh blk carb.,

sh gry INC WHT chunky
ho. 1/2"

BKG. 3226 (-1424)

sh grn.,

ARBUCKLE 3222 (-1440)

DOLO LT BRN MdXL gd
INT XL of gd dk BRN str-
sol gd SFO FT odor.

same AA w/ STICKS
Dse lt BRN carb.,

DOLO CEM-LT GRN MdXL -
Dse spt v. b. spt lt
brn str SFO no odor
INC WHT chunk

DOLO AA w/ INC of
DOLO., DOLO ool-bac.,

DOLO BRN MdXL gd
INT XL of



CHART PROF

DST-3 3215-3250
30.30.0.0
IF 1/2"
FF PULLED TO
REL. 30' MUD
SIP (659)
FP (15-19)
MSH (1683-1569)

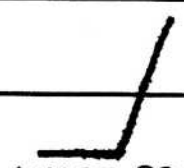


CHART PROF

DST-4 3244-3264
15.15.30.3X
IF 80B-4"
FF 80B-5"
REL. 992' MUD
SIP (1105-1107)
FP (32-233)(21
MSH (1753-1598)

nr

3300

8



CES

Dolo cem - lt grey, md xl -
 Dse spt mag, b' spt lt
 brn str seb no odor
 inc wk chalk

Dolo AA w/ inc pr
 Dolo, Dolo ool-bec,

Dolo brn md xl gel
 int xl NS

same AA TR bone
 wht A

DST-4 3244-3260 ARE

15.15.30.30

IF 808-4"

EF 808-5"

REC. 992' MUS

SIP(1105-1107)

FP (32-233)(219-499)

MSH(1753-1598)

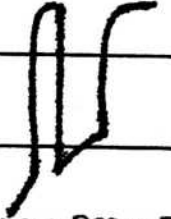


CHART PROFILE