



KANSAS CORPORATION COMMISSION 1090712  
 OIL & GAS CONSERVATION DIVISION

Form ACO-1  
 June 2009  
**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 3956  
 Name: Brungardt Oil and Leasing Inc.  
 Address 1: 529 E 14TH  
 Address 2: PO BOX 871  
 City: RUSSELL State: KS Zip: 67665 + 1731  
 Contact Person: Gary Brungardt  
 Phone: ( 785 ) 483-4975  
 CONTRACTOR: License # 5184  
 Name: Shields Oil Producers Inc.  
 Wellsite Geologist: Brad Hutchinson

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 #: \_\_\_\_\_

5/11/2012	5/21/2012	5/21/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23786-00-00  
 Spot Description: \_\_\_\_\_  
W2 NE NE SE Sec. 15 Twp. 12 S. R. 13  East  West  
2310 Feet from  North /  South Line of Section  
640 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
 County: Russell  
 Lease Name: Small Well #: 2  
 Field Name: \_\_\_\_\_  
 Producing Formation: Kansas City  
 Elevation: Ground: 1704 Kelly Bushing: 1709  
 Total Depth: 3038 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at: 219 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: 79000 ppm Fluid volume: 750 bbls  
 Dewatering method used: Evaporated  
 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: Deanna Garbar Date: 08/22/2012

1090712

Operator Name: Brungardt Oil and Leasing Inc. Lease Name: Small Well #: 2  
 Sec. 15 Twp. 12 S. R. 13  East  West County: Russell

**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 ( <i>Attach Additional Sheets</i> ) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" 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 <span style="float:right">Top <span style="float:right">Datum</span></span> See Geological Report
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	219	common	170	4%cc 3% gel

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other ( <i>Explain</i> ) _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Ventd <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease ( <i>If vented, Submit ACO-18.</i> )	<b>METHOD OF COMPLETION:</b> <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 ( <i>Specify</i> ) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC 034651

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

SERVICE POINT:  
RUSSELL

DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
5-21-12	15	12	13			10:30 AM	7:00 PM
LEASE <u>SMALL</u> WELL # <u>2</u>				LOCATION <u>BUNKER HILL 9.5"</u>	COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>1" NINTO</u>			

CONTRACTOR Shield #2 OWNER \_\_\_\_\_

TYPE OF JOB PIA

HOLE SIZE 7 7/8 I.D.

CASING SIZE 8 7/8 DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 770

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

FRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSO. 180 SK

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

CEMENT AMOUNT ORDERED 180 SK @ 60¢ 40¢ GAL

1/4" FEO-SEAL

COMMON	108	16.25	1755.00
POZNIX	72	8.50	612.00
GEL	6	21.25	127.50
CHLORIDE	0		
ASC	0		
<u>FEO-SEAL</u>	<u>50</u>	<u>2.70</u>	<u>135.00</u>
	0		
	0		
	0		
HANDLING	188	2.25	423.00
MILEAGE	19 X 189 X 11		392.92
	3572	TOTAL	3445.42

EQUIPMENT

PUMP TRUCK CEMENTER Bob Smith

# 417 HELPER woody

BULK TRUCK

# 410 DRIVER COODY

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
P1 - 770 FT = 25 SK  
P2 - 380 FT = 100 SK  
P3 - 40 FT = 10 SK  
RET - 30 SK  
MANSR - 15 SK

SERVICE

DEPTH OF JOB 770 FT

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_

MILEAGE 19 @ 70¢ = 1330.00

MANIFOLD Adv m 19 @ 40¢ = 760.00

TOTAL 1459.00

CHARGE TO: BRUNGARDT OIL

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

8 7/8" wooden Plug @ 10 = 64.00

\_\_\_\_\_ @ \_\_\_\_\_ = \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_ = \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_ = \_\_\_\_\_

TOTAL 64.00

To Allied Cementing Co., L.L.C.  
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) 48.37

TOTAL CHARGES 4968.42

DISCOUNT 20% 1174.26 IF PAID IN 30 DAYS

PRINTED NAME Thomas J Engel

SIGNATURE \_\_\_\_\_

BS  
5-21-12

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>BRUNGARDT OIL &amp; LEASING, INC</u>		ELEVATIONS	
LEASE <u>SMALL #2</u>		KB <u>1717'</u>	
FIELD _____		DF _____	
LOCATION <u>W/2 NE NE 5E</u>		GL <u>1712'</u>	
SEC <u>15</u>	TWSP <u>12S</u>	Measurements Are All From <u>Kelly Busking</u>	
RGE <u>13W</u>	COUNTY <u>RUSSELL</u>	STATE <u>KANSAS</u>	
CONTRACTOR <u>SHIELDS OIL PRODUCERS, INC.</u>		CASING SURFACE <u>8 5/8" @ 219'</u>	
SPUD <u>5-9-12</u>	COMP <u>5-21-12</u>	PRODUCTION <u>NONE</u>	
RTD <u>3038 (-1321) LTD</u>		ELECTRICAL SURVEYS <u>NONE</u>	
MUD UP <u>2500'</u>		TYPE MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM 2500' TO RTD

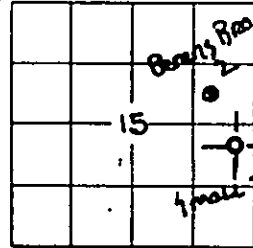
DRILLING TIME KEPT FROM 2500' TO RTD

SAMPLES EXAMINED FROM 2600' TO RTD

GEOLOGICAL SUPERVISION FROM 2600' TO RTD

GEOLOGIST ON WELL BRAD J. HUTCHISON

FORMATION TOPS	LOG	SAMPLES
<u>ANHYDRITE</u>		<u>752 (+965)</u>
<u>TOPEKA</u>		<u>2638 (-921)</u>
<u>HEEBNER</u>		<u>2870 (-1153)</u>
<u>TORONTO</u>		<u>2888 (-1171)</u>
<u>HANSING</u>		<u>2925 (-1208)</u>



REMARKS It was recommended based on the low structural position and the two (2) negative drill stem tests that the Small #2 be plugged and abandoned at a total rotary depth of 3038 (-1321).

DAILY PROGRESS:

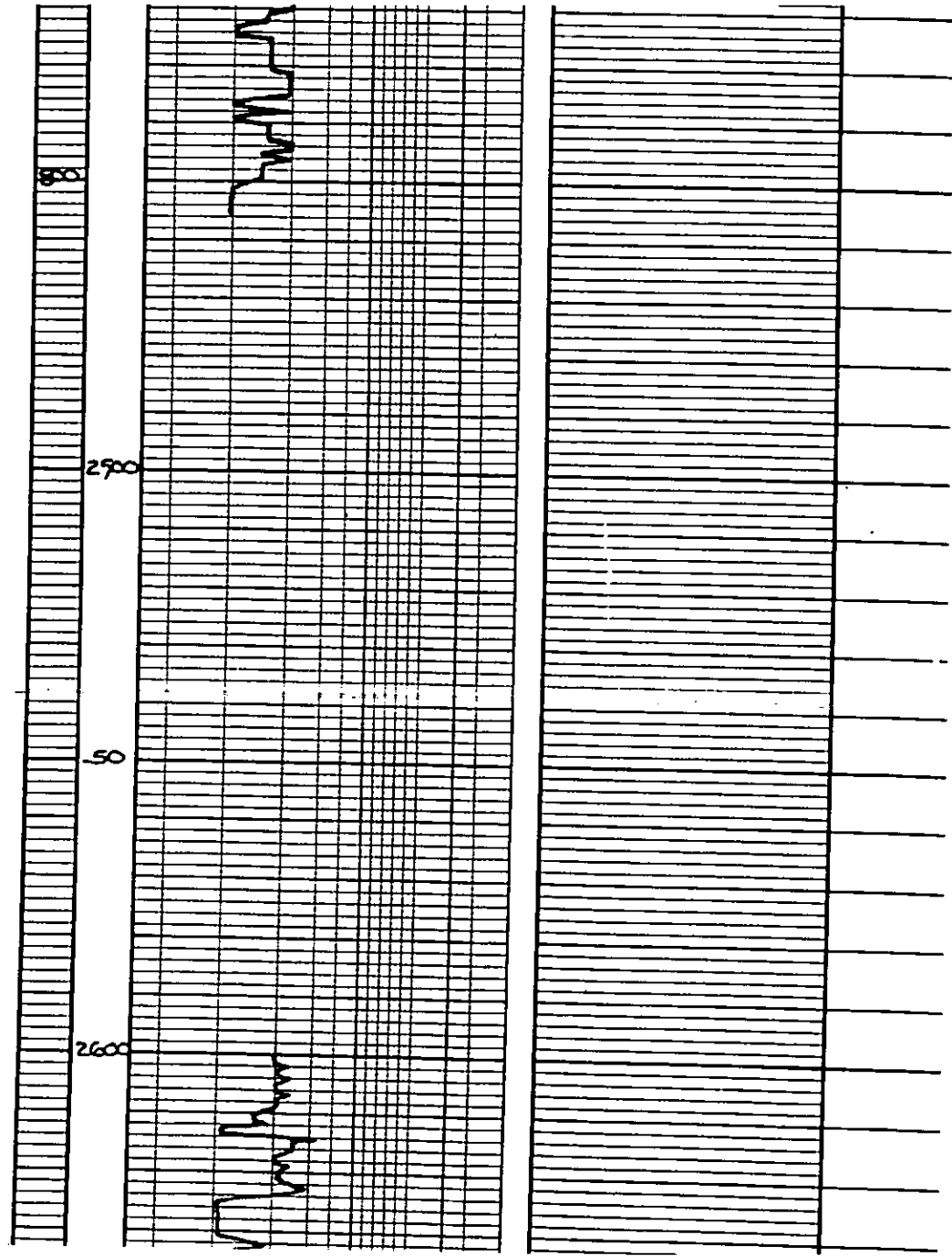
5-9-12	MISB	90'
5-10-12		
5-12-12		
5-13-12	MUD PUMP REPAIR	
5-18-12		
5-19-12		
5-20-12		
5-21-12		
SURVEY:	DEPTH:	DEVIATION:
	<u>227'</u>	<u>1/4°</u>
	<u>2980'</u>	<u>0°</u>

Respectfully submitted,  
*Brad J. Hutchison*  
Brad J. Hutchison

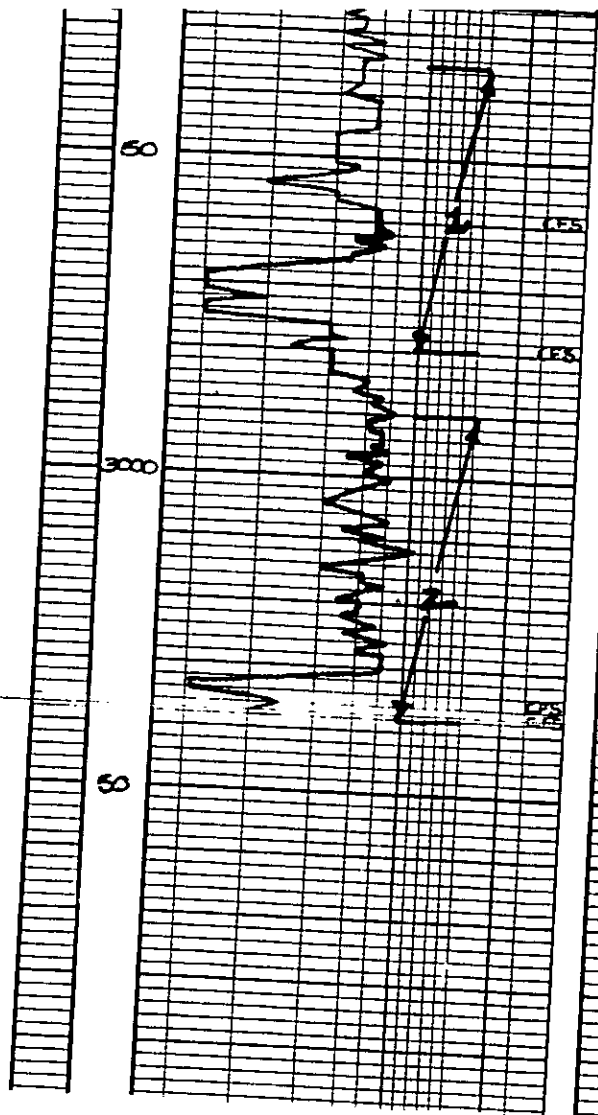
## LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Oil/Lime
- Chert
- Dolomite

DRILLING TIME







LANSING 2925 (1208)

15 BLUE-GRAY DSX  
 GY POSS. -NS-

17 & & / MWD VIA

SH GRN GUMBA

15 WHT-CRM OOY-FOSS-OR DST. 1. 29

SEALER OOL. FOSSILESS P. 30. 30.

TR. V. BY GIN BED IF. 1 1/2"

TK. OOL. X - UNACCOL. OOL. EE. 1"

15 LGRY-blue EOL. OOL. TEL. 45'

15 LGRY-blue EOL. OOL. 3' CO

15 LGRY-blue EOL. OOL. 75' SOCM

15 LGRY-blue EOL. OOL. 125' WATER

15 LGRY-blue EOL. OOL. SIP (401.)

17 GRY DSX FP (24.58)

SH BLUE GRN MSH (1420)

SH GRN GUMBA

15 MOST GRY OOL-FOSS

15 WHT-CRM LITALLY

DST. 2 2990:

30. 30. 60

IF. 3"

FF. 9URF. T.

TEL. 75 MW,

OF OIL

125' WATER

SIP (242-241)

FP (27-69 X)

MSH (1454.1)

SHART PE

# ALLIED OIL & GAS SERVICES, LLC 056111

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

SERVICE POINT  
Russell

DATE <u>5-11-12</u>	SEC <u>15</u>	TWP <u>12</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00</u>	JOB FINISH <u>4:00</u>
LEASE <u>Small</u>	WELL # <u>2</u>	LOCATION <u>Bunker Hill</u>	<u>1 1/2" method of</u>	COUNTY <u>Russell</u>	STATE <u>KS</u>		
OLD OR <u>(NEW)</u> (Circle one) <u>w/ Nitr &amp; Body tank</u>							

CONTRACTOR <u>Sted's</u>	OWNER	
TYPE OF JOB <u>Surface</u>		
HOH F. SIZE <u>1 1/2</u>	I.D. <u>2 1/2</u>	CEMENT
CASING SIZE <u>2 1/2</u>	DEPTH <u>212</u>	AMOUNT ORDERED <u>1700k 47.6L 37.6d</u>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>170</u>
MEAS. LINE	SHOE JOINT <u>15</u>	POZMIX <u>0</u>
CEMENT LEFT IN CSO. <u>15</u>		GEL <u>3</u>
PERES		CHLORIDE <u>6</u>
DISPLACEMENT <u>12.5 80</u>		ASC <u>0</u>
EQUIPMENT		HANDLING <u>171</u>
PUMP TRUCK # <u>401</u>	CEMENTER <u>Todd Hooks</u>	MILEAGE <u>3401</u>
# <u>410</u>	HELPER <u>Tom</u>	TOTAL <u>3752.31</u>
BULK TRUCK # <u>410</u>	DRIVER <u>Robert Y.</u>	
BULK TRUCK #	DRIVER	

REMARKS:

run & r, set & 1 1/2" circulation  
with 1 1/2" clay by method of  
central plug. (12.5 bbl)  
Set with a Plug Down at 11:15  
Can't blow circulation to top  
Thanks

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1135.00</u>
EXTRA FOOTAGE	0	
MILEAGE <u>MILW 19</u>	0	<u>7.00</u>
MANIFOLD <u>MILW 19</u>	0	<u>4.00</u>
	0	
	0	

CHARGE TO: Brungerdt Oil

TOTAL 1334.00

PLUG & FLOAT EQUIPMENT

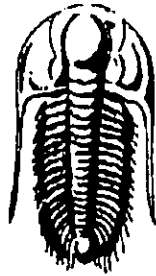
	0	
	0	
	0	
	0	
	0	
	0	
	0	
TOTAL		

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) 263.56  
TOTAL CHARGES 5286.31  
DISCOUNT 440 1832.19 IF PAID IN 30 DAYS

PRINTED NAME Thomas Engel  
SIGNATURE Thomas Engel





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

PO Box 871  
Russell Ks 67665-1731

ATTN: Gary Brungardt

**Small #2**

**15-12s-13w Russell,KS**

Start Date: 2012.05.20 @ 15:00:06

End Date: 2012.05.20 @ 21:06:00

Job Ticket #: 47035                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.23 @ 08:48:58

Brungardt Oil & Leasing Inc  
15-12s-13w Russell,KS  
Small #2  
DST # 1  
LKC B-C  
2012.05.20







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brungardt Oil & Leasing Inc

**15-12s-13w Russell,KS**

PO Box 871  
Russell Ks 67665-1731

**Small #2**

Job Ticket: 47035

**DST#: 1**

ATTN: Gary Brungardt

Test Start: 2012.05.20 @ 15:00:06

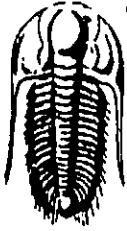
### Tool Information

Drill Pipe:	Length: 2454.00 ft	Diameter: 3.80 inches	Volume: 34.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 470.00 ft	Diameter: 2.70 inches	Volume: 3.33 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 37.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	2935.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 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			2915.00	
Shut In Tool	5.00			2920.00	
Hydraulic tool	5.00			2925.00	
Packer	5.00			2930.00	21.00 Bottom Of Top Packer
Packer	5.00			2935.00	
Stubb	1.00			2936.00	
Perforations	9.00			2945.00	
Recorder	0.00	6625	inside	2945.00	
Recorder	0.00	8374	Outside	2945.00	
Blank Spacing	33.00			2978.00	
Bullnose	2.00			2980.00	45.00 Bottom Packers & Anchor

**Total Tool Length: 66.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Brungardt Oil & Leasing Inc

**15-12s-13w Russell,KS**

PO Box 871  
Russell Ks 67665-1731

**Small #2**

Job Ticket: 47035

**DST#: 1**

ATTN: Gary Brungardt

Test Start: 2012.05.20 @ 15:00:06

**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:

98000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in<sup>3</sup>

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 bbl
0.00	45'GIP	0.000
3.00	CO	0.021
75.00	SOCMW 2%O30%M68%W	0.531
125.00	Water w/show of oil	0.885

Total Length: 203.00 ft      Total Volume: 1.437 bbl

Num Fluid Samples: 0

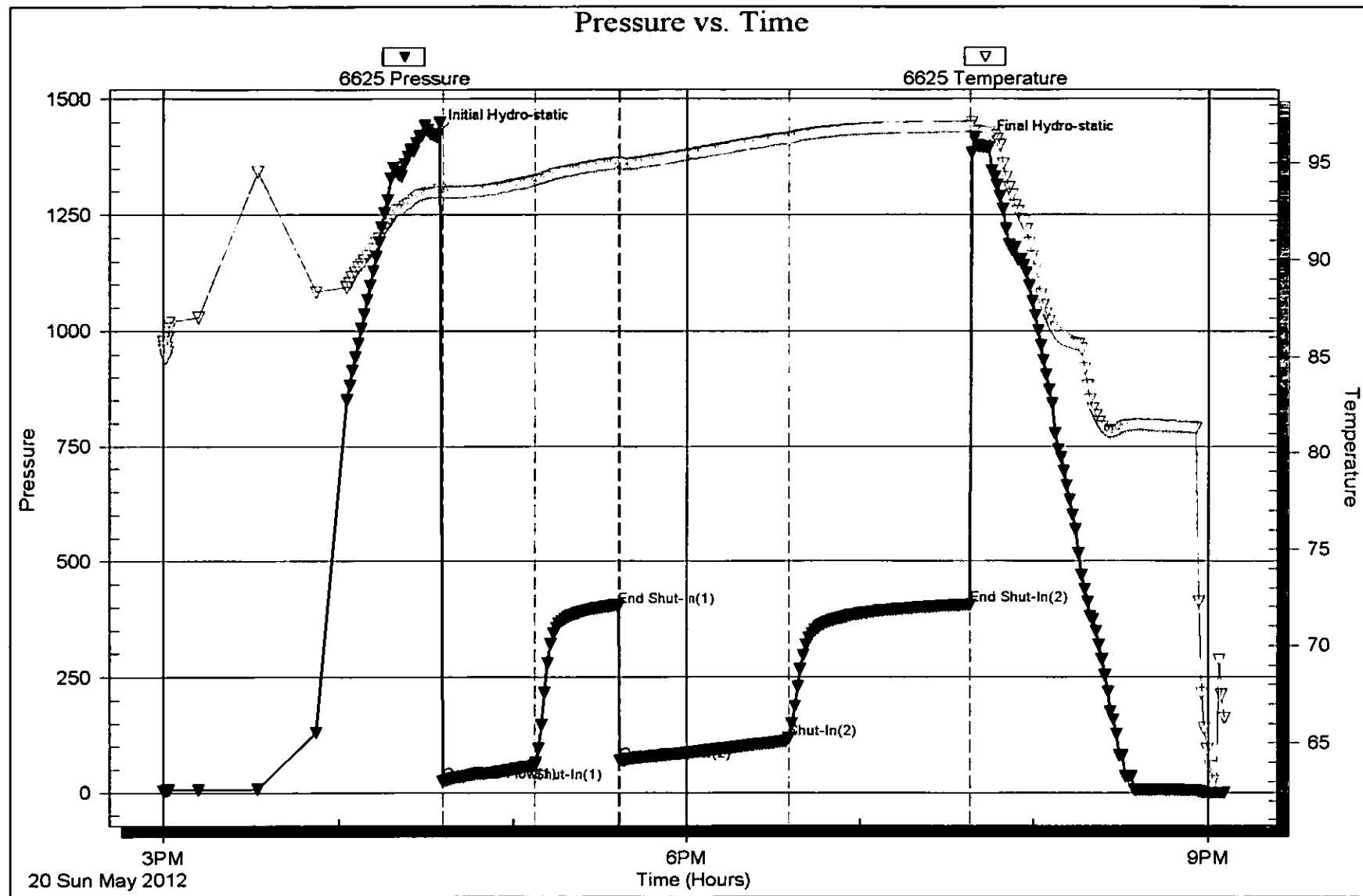
Num Gas Bombs: 0

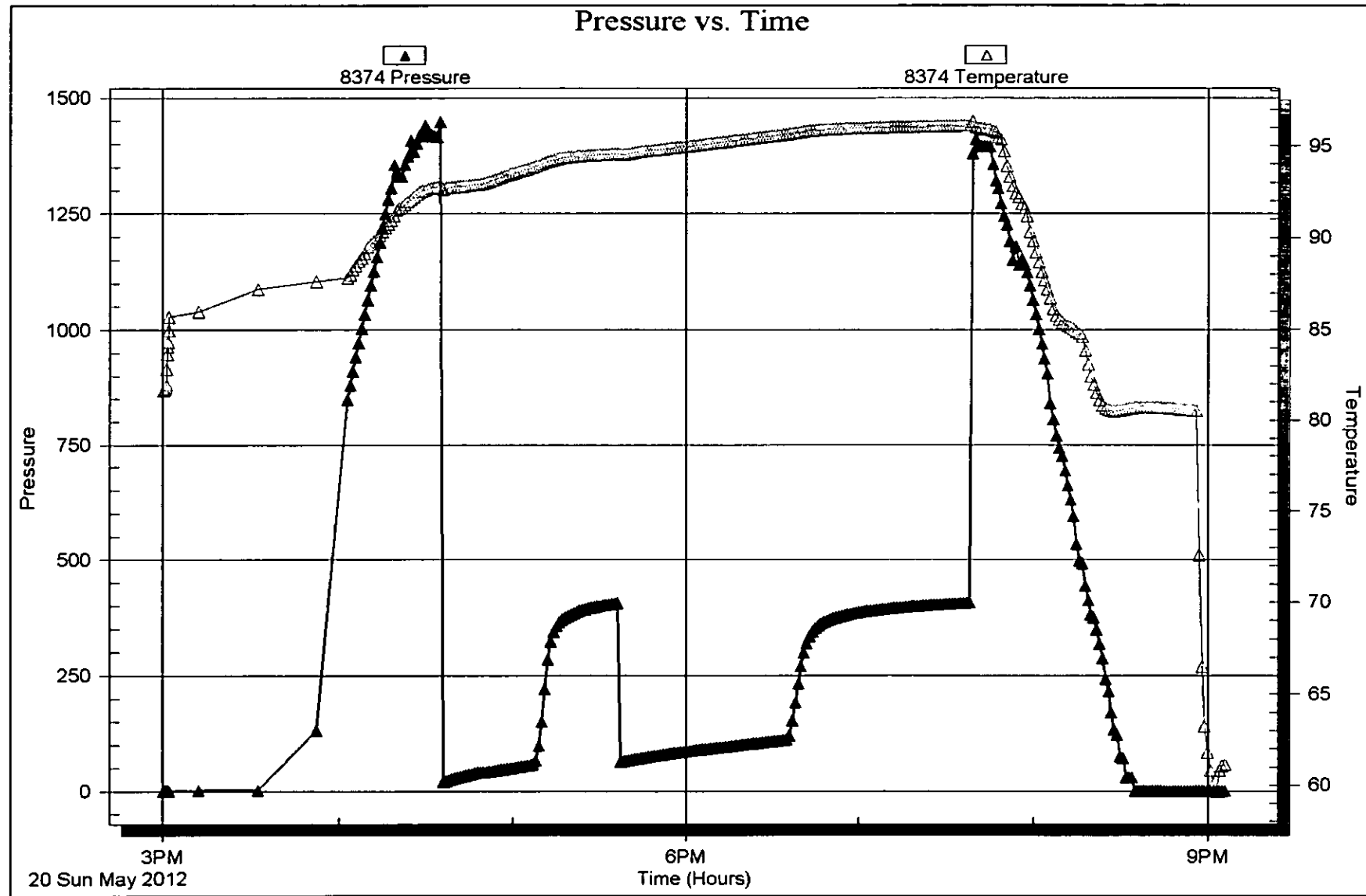
Serial #:

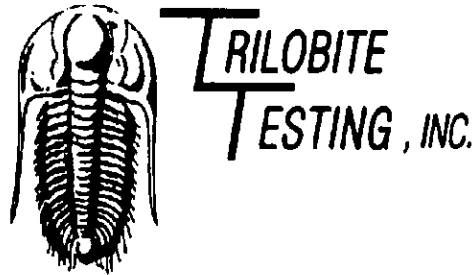
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .07 @ 75F







## DRILL STEM TEST REPORT

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

PO Box 871  
Russell Ks 67665-1731

ATTN: Gary Brungardt

**Small #2**

**15-12s-13w Russell,KS**

Start Date: 2012.05.21 @ 05:50:21

End Date: 2012.05.21 @ 11:41:15

Job Ticket #: 47036                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

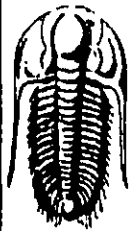
Printed: 2012.05.23 @ 08:47:35

Brungardt Oil & Leasing Inc  
15-12s-13w Russell,KS  
Small #2  
DST # 2  
LKC F-G  
2012.05.21









**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Brungardt Oil & Leasing Inc

15-12s-13w Russell, KS

PO Box 871  
Russell Ks 67665-1731

Small #2

Job Ticket: 47036

DST#: 2

ATTN: Gary Brungardt

Test Start: 2012.05.21 @ 05:50:21

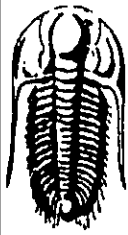
**Tool Information**

Drill Pipe:	Length: 2518.00 ft	Diameter: 3.80 inches	Volume: 35.32 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 470.00 ft	Diameter: 2.70 inches	Volume: 3.33 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 38.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	2990.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	69.00 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			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	12.00			3003.00	
Recorder	0.00	6625	Inside	3003.00	
Recorder	0.00	8374	Outside	3003.00	
Blank Spacing	33.00			3036.00	
Bullnose	2.00			3038.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brungardt Oil & Leasing Inc

15-12s-13w Russell,KS

PO Box 871  
Russell Ks 67665-1731

**Small #2**

Job Ticket: 47036

**DST#: 2**

ATTN: Gary Brungardt

Test Start: 2012.05.21 @ 05:50:21

### 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:

85000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.93 in<sup>3</sup>

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 bbl
75.00	MW w/show of oil	0.531
125.00	Water	0.885

Total Length: 200.00 ft      Total Volume: 1.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

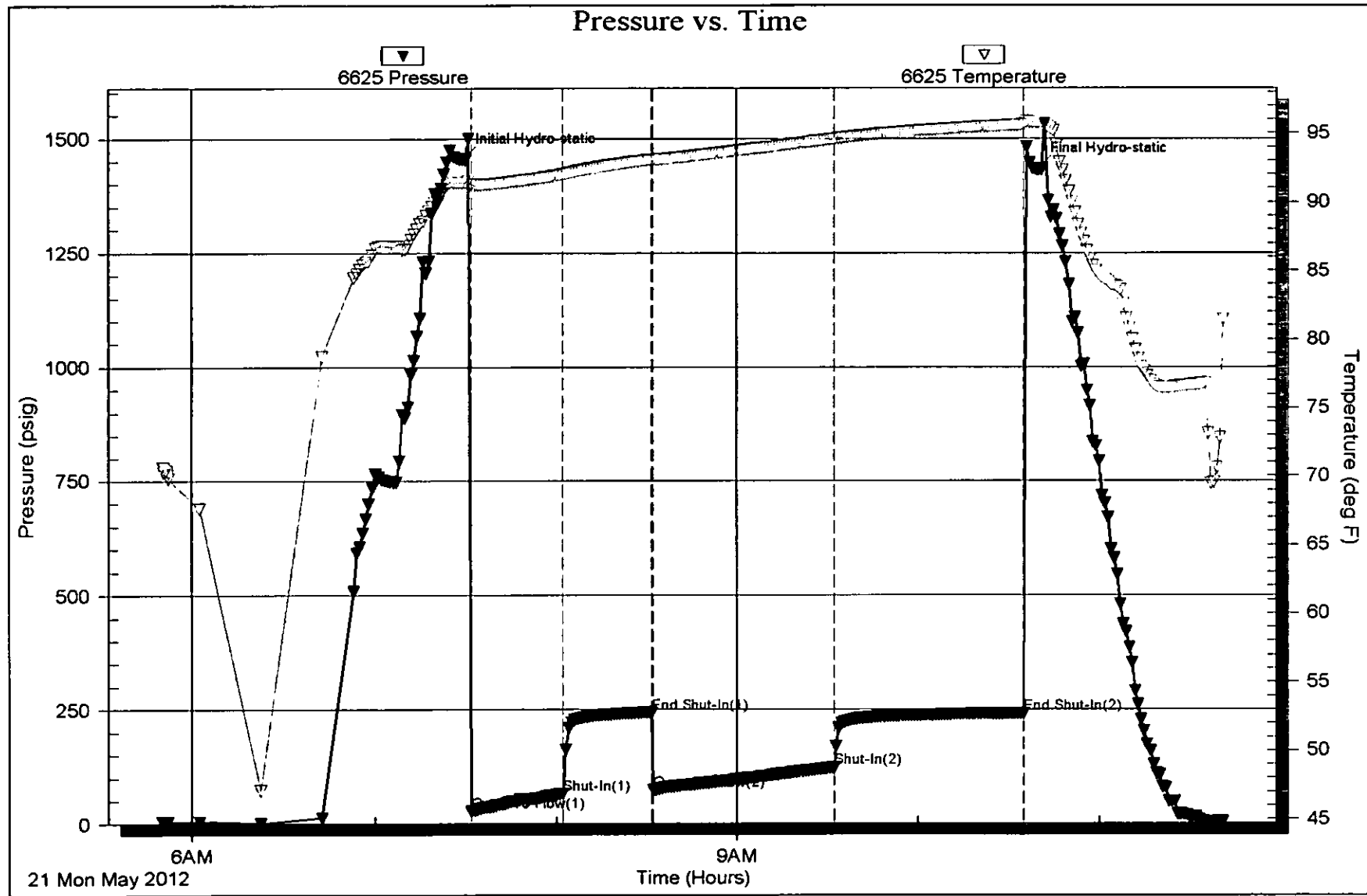
Recovery Comments: RW .08 @ 75F

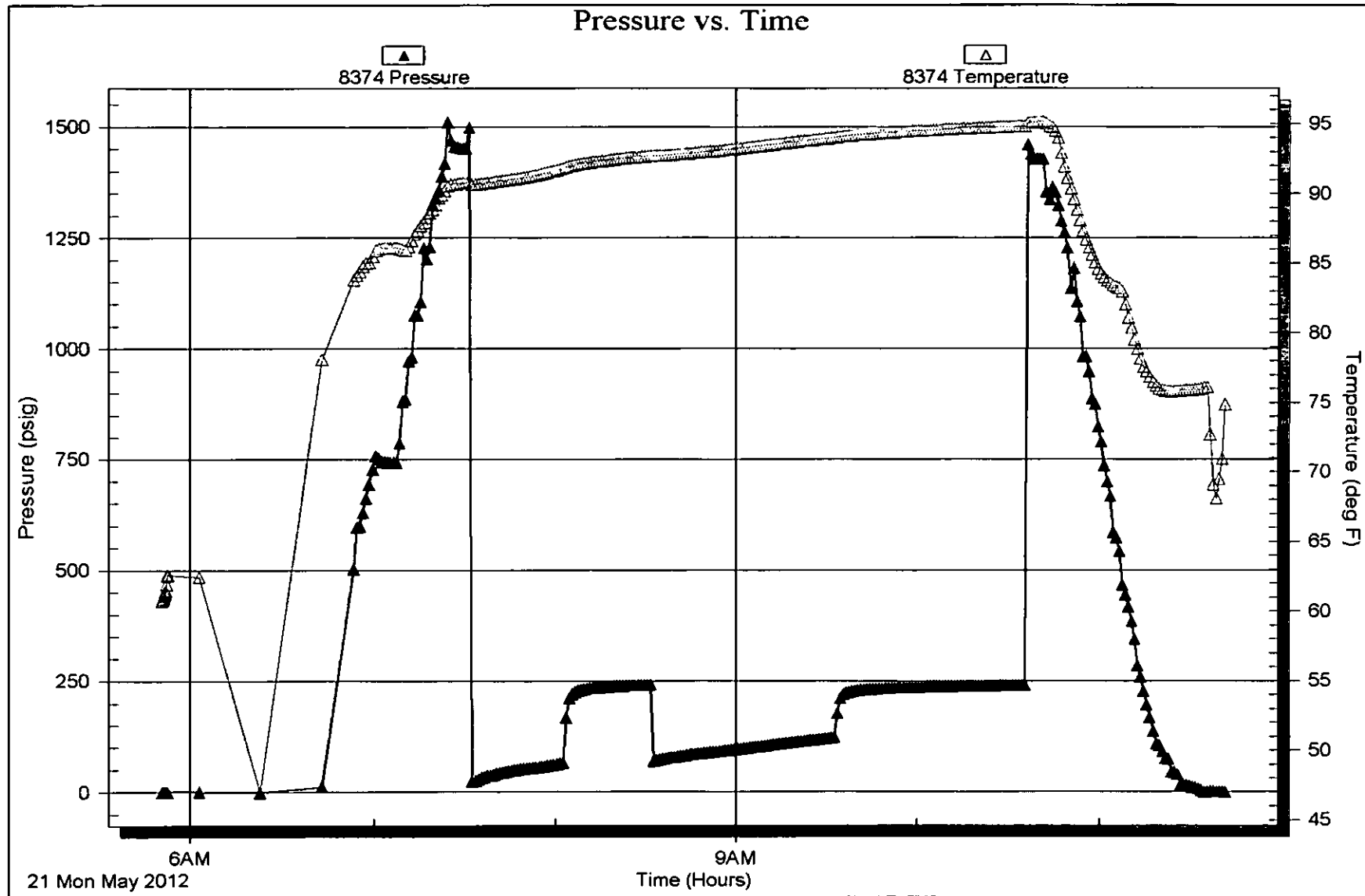
Serial #: 6625

Inside Brungardt Oil & Leasing Inc

Small #2

DST Test Number: 2







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47035

Well Name & No. SMALL #2 Test No. 1 Date 5-20-12  
 Company BRUNGARDT OIL & LEASING INC Elevation 1717 KB 1712 GL  
 Address 529 E. 14<sup>TH</sup> PO Box 871 Russell, Ks 67665-1731  
 Co. Rep / Geo. BRAD HUTCHISON Rig SHIELDS RIG 1  
 Location: Sec. 15 Twp. 12<sup>S</sup> Rge. 13<sup>W</sup> Co. Russell State Ks

Interval Tested 2935-2980 Zone Tested LKC B-C  
 Anchor Length 45 Drill Pipe Run 2454 Mud Wt. 9.2  
 Top Packer Depth 2930 Drill Collars Run 5 Vis 52  
 Bottom Packer Depth 2935 Wt. Pipe Run 470 WL 8  
 Total Depth 2980 Chlorides 7000 ppm System LCM -

Blow Description IFP - WEAK TO A FAIR BLOW 1/2" TO 4/2" BLOW  
ISIP - NO BLOW  
FFP - WEAK BLOW THRU-OUT 1/4" TO 1" BLOW  
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>GIP</u>				
<u>3</u>	<u>CO</u>				
<u>75</u>	<u>50 CMW</u>		<u>2</u>	<u>68</u>	<u>30</u>
<u>125</u>	<u>WATER w/slow oil</u>				

Rec Total 203 BHT \_\_\_\_\_ Gravity - API RW .07 @ 75° F Chlorides 98000 ppm  
 (A) Initial Hydrostatic 1420  Test \_\_\_\_\_ T-On Location 1400  
 (B) First Initial Flow 24  Jars \_\_\_\_\_ T-Started 1500  
 (C) First Final Flow 58  Safety Joint \_\_\_\_\_ T-Open 1640  
 (D) Initial Shut-In 401  Circ Sub \_\_\_\_\_ T-Pulled 1940  
 (E) Second Initial Flow 69  Hourly Standby \_\_\_\_\_ T-Out 2106  
 (F) Second Final Flow 117  Mileage 88 RT 136.40  
 (G) Final Shut-In 405  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1397  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Sub Total 0  
 Total 1286.40  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1286.40

Approved By \_\_\_\_\_ Our Representative RAY SCHWAGER 404  
 Trilobite Testing Inc. shall not be liable for damaged or destroyed 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47036

Well Name & No. Small #2 Test No. 2 Date 5-21-12  
 Company BRUNGAARD OIL + Leasing Inc Elevation 1717 KB 1712 GL  
 Address 529 E. 14<sup>th</sup> PO Box 871 Russell Mo 67665-0731  
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1  
 Location: Sec. 15 Twp. 12<sup>s</sup> Rge. 13<sup>w</sup> Co. Russell State K

Interval Tested 2990 - 3038 Zone Tested LKC F-6  
 Anchor Length 48 Drill Pipe Run 2518 Mud Wt. 9  
 Top Packer Depth 2985 Drill Collars Run — Vis 50  
 Bottom Packer Depth 2990 Wt. Pipe Run 470 WL 8  
 Total Depth 3038 Chlorides 7000 ppm System LCM —

Blow Description IFP - WEAK BLOW 1/2" TO 3" BLOW  
ISIP - NO BLOW  
FFP - WEAK BLOW SURFACE TO 1/2" BLOW  
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Feet of MW</u>				
<u>125</u>	<u>Feet of WATER</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 200 BHT Gravity — API RW .08 @ 75 °F Chlorides 85000 ppm  
 (A) Initial Hydrostatic 1454  Test T-On Location 0530  
 (B) First Initial Flow 27  Jars T-Started 0550  
 (C) First Final Flow 65  Safety Joint T-Open 0730  
 (D) Initial Shut-In 242  Circ Sub T-Pulled 1030  
 (E) Second Initial Flow 73  Hourly Standby T-Out 1141  
 (F) Second Final Flow 122  Mileage 88 RT 136.40 Comments Landed Tool 1215  
 (G) Final Shut-In 241  Sampler 5-21-12  
 (H) Final Hydrostatic 1432  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies

Initial Open 30  Extra Recorder Sub Total 0  
 Initial Shut-In 30  Day Standby Total 1286.40  
 Final Flow 60  Accessibility MP/DST Disc't  
 Final Shut-In 60 Sub Total 1286.40

Approved By \_\_\_\_\_ Our Representative RAY SCHWAGER Thank you  
 Triobite 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