



KANSAS CORPORATION COMMISSION 1091533
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 SLOW
 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 #: _____

6/5/2012	6/11/2012	6/11/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-141-20443-00-00

Spot Description: _____
SW SE SE SE Sec. 26 Twp. 10 S. R. 15 East West
110 Feet from North / South Line of Section
365 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Osborne
Lease Name: Koelling - Angel Well #: 1
Field Name: _____

Producing Formation: Lansing-Kansas City
Elevation: Ground: 1821 Kelly Bushing: 1826
Total Depth: 3400 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 222 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: 50000 ppm Fluid volume: 800 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 Garcia Date: 08/27/2012



1091533

Operator Name: Brungardt Oil and Leasing Inc. Lease Name: Koelling - Angel Well #: 1
 Sec. 26 Twp. 10 S. R. 15 East West County: Osborne

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 Top Datum See Geologist 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	222	common	140	3% cc 2%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: Yes No

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> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

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 <i>(Specify)</i> _____	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. 974

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6/11/10	26	10	15	Delaware	Kansas		11/2/10
Lease	Well No.		Location				
	1		Kardian 34 5/8				
Contractor	Owner			To Quality Oilwell Cementing, Inc.			
Type Job	You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.						
Hole Size	T.D.			Charge To			
Csg.	Depth			To			
Tbg. Size	Depth			Street			
Tool	Depth			City			
Cement Left in Csg.	Shoe Joint			State			
Meas Line	Displace			The above was done to satisfaction and supervision of owner agent or contractor.			
			Cement Amount Ordered				
			200 60' @ 46' per				

EQUIPMENT

No.	Cementor	Common
5	Helper	
10	Driver	Poz. Mix
	Driver	Gel.
	Driver	Calcium

JOB SERVICES & REMARKS

Remarks:	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
1" Plug @ 90' 25'	Sand
2" " " 50' 80'	Handling
2" " " 20' 40'	Mileage

FLOAT EQUIPMENT

2" " " 20' 40'	Guide Shoe
1/4" " " 40' 10'	Centralizer
Rat Hole	Baskets
Mouse Hole	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

Tax
Discount
Total Charge

X 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. 854

Date	6.5.12	Sec.	26	Twp.	10	Range	15	County	OSBORNE	State	KANSAS	On Location		Finish	4:00 AM
Lease	Winters Acre	Well No.	#1	Location	NATOMA 4E-S-1120										
Contractor	SHIELDS											Owner	BERNARD OTI		
Type Job	SURFACE											To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size	12 1/2"	T.D.	222'	Charge To	BERNARD OTI										
Csg	8 3/4"	Depth		Street	529 E. 14TH										
Tbg. Size		Depth		City	RUSSELL	State	KANSAS								
Tool		Depth	15'	The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg		Shoe Joint		Cement Amount Ordered	14000 30c 20c										
Meas Line		Displace	13 BLS												

EQUIPMENT

Pumptrk #15	No.	Cementor	HELIX	Common
Bulktrk #14	No.	Driver	CONY	Poz. Mix
Bulktrk #11	No.	Driver	CONY	Get.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Koi-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

CEMENT DID CIRCULATE!	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
THANK YOU	Latch Down
	1-8 3/4" mud plug
	Pumptrk Charge
	Mileage

Signature	Tax
	Discount
	Total Charge

BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNGARDT DRILLING, INC.

LEASE Koelling-Angel #1.

FIELD _____

LOCATION 110' ENL, 365' FWL

SEC 26 TWSP 10S RGE 15W

COUNTY Osborne STATE Kansas

CONTRACTOR SKIEWAS DRILL PRODUCERS, INC

SPUD 6-4-12 COMP 6-11-12

RTD 3400 (-1580) LTD _____

MUD UP 2400' TYPE MUD CHEMICAL

ELEVATIONS

KB 1820'

DF _____

GL 1815'

Measurements Are All
From Kelly Busting

CASING
SURFACE 8 5/8" @ 219'
PRODUCTION NONE

ELECTRICAL SURVEYS
None

SAMPLES SAVED FROM 2600' TO RTD

DRILLING TIME KEPT FROM 2600' TO RTD

SAMPLES EXAMINED FROM 2600' TO RTD

GEOLOGICAL SUPERVISION FROM 2600' TO RTD

GEOLOGIST ON WELL BRAD J. HUTCHINSON

FORMATION TOPS	LOG	SAMPLES
Anhydrite		969 (+851)
Topeka		2706 (-886)
Hebner		2954 (-1134)
Toronto		2975 (-1125)
Lansing		3002 (-1182)
Conglomerate		3356 (-1536)

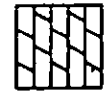
MARKS It was recommended based on
ie three (3) negative drillstem tests, that
e Koelling-Angel #1 be plugged and
conditioned to a total rotary depth of 3400'
580).

respectfully submitted,
Brad J. Hutchison

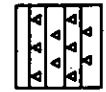
8 5/8" surface pipe set @ 219' w/
150 BX. com 70% gel. 5% cc. Ceme
did cure.

Survey: Depth: Deviation:
222' 1/20
3020' 1/20

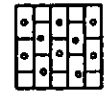
LEGEND



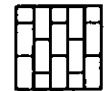
Dolomite



Chert



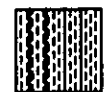
Oil Lime



Limestone



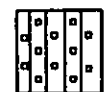
Carb sh



Shale



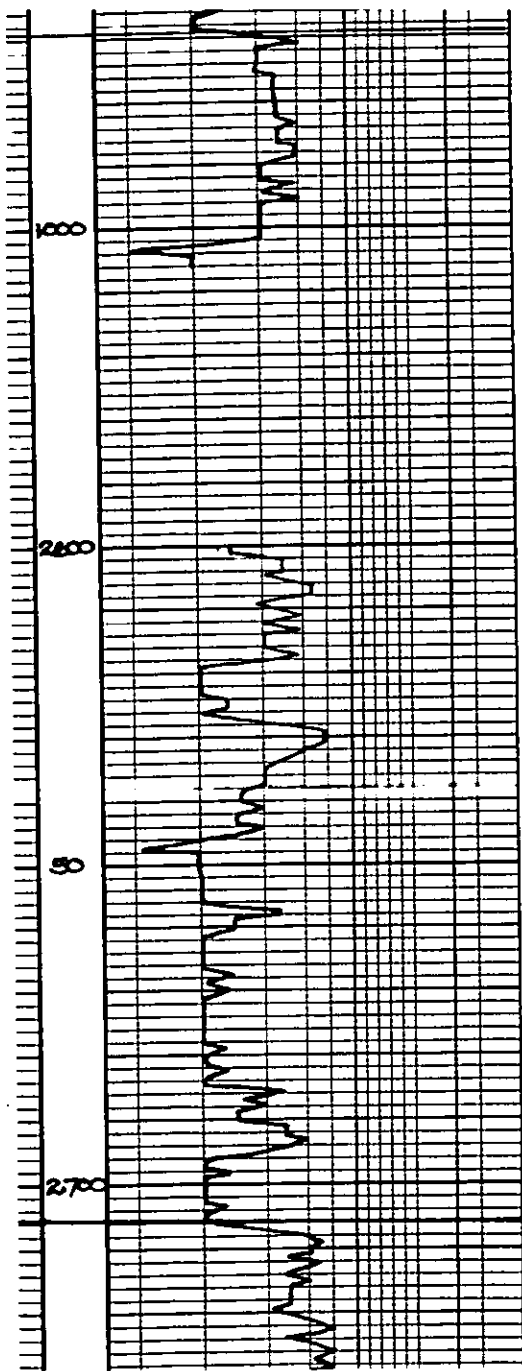
Sandstone



Salt



Anhydrite



Аппу 969 (+851)

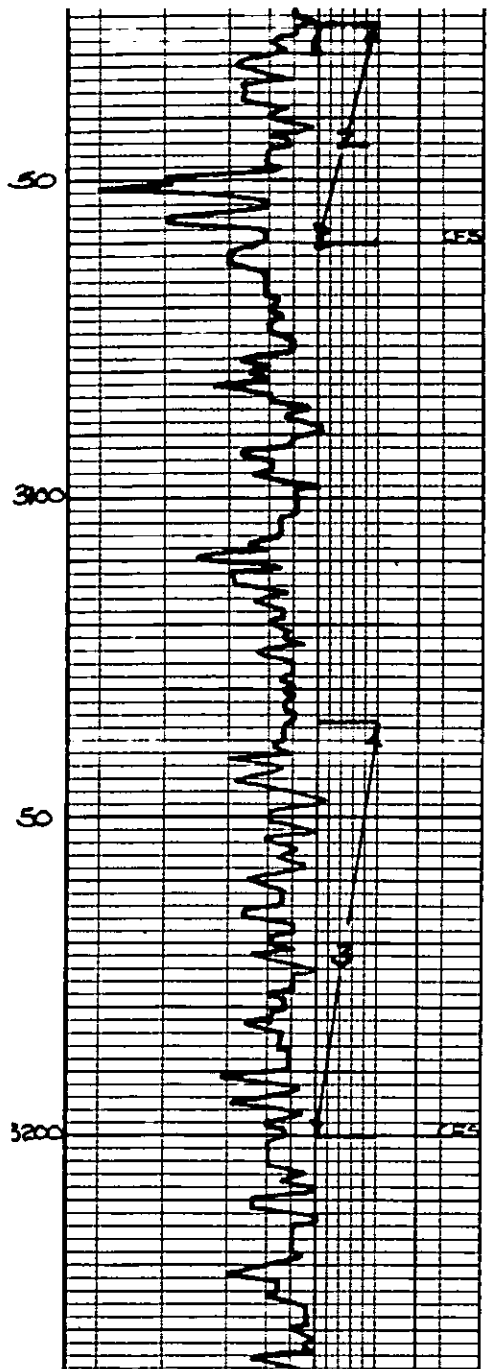
720001ST 00 LA
8:00 AM 6-8-12

TOPKA 2700 (-886)

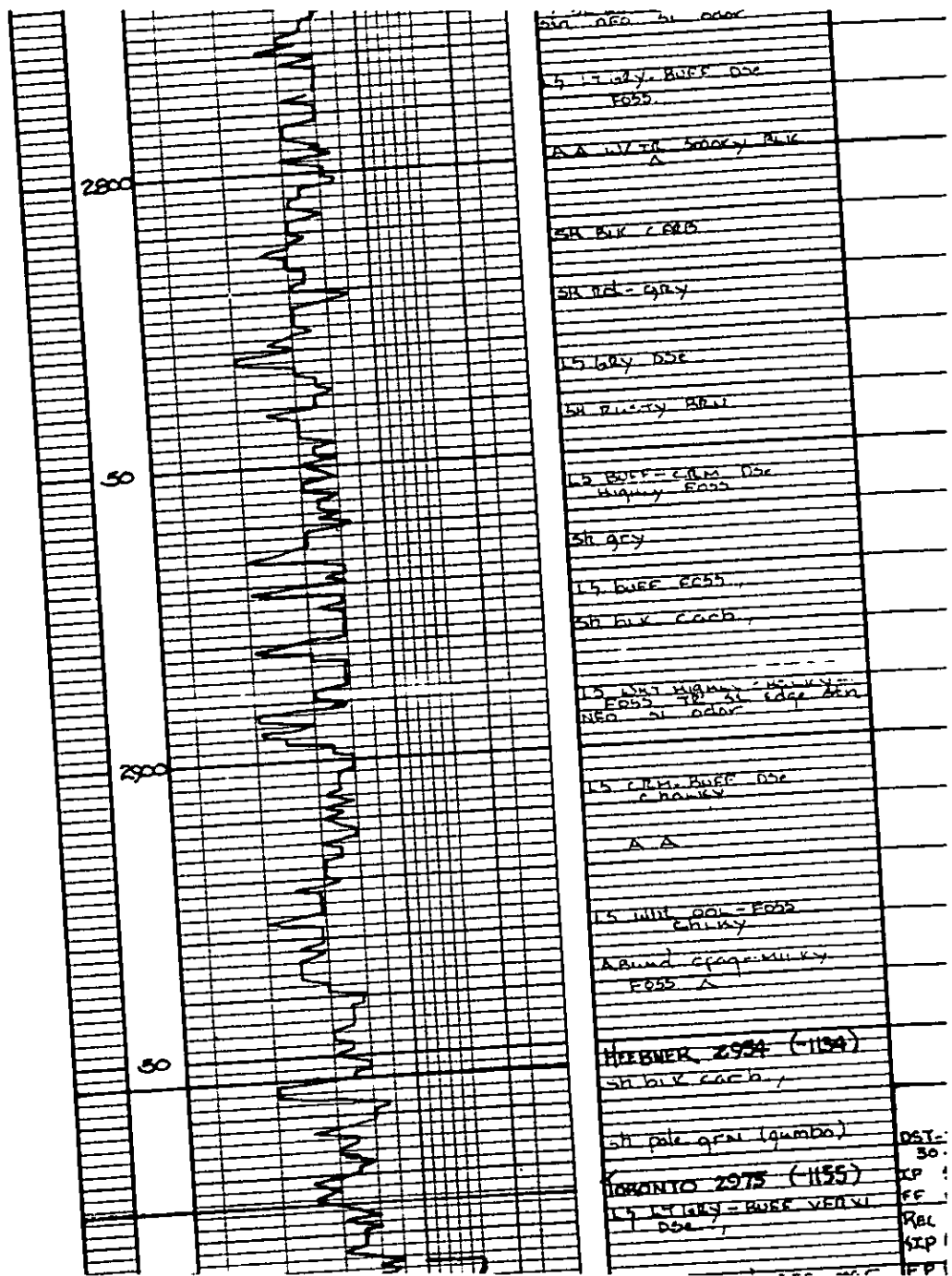
15 DIFF - 1444 PAGE 2055

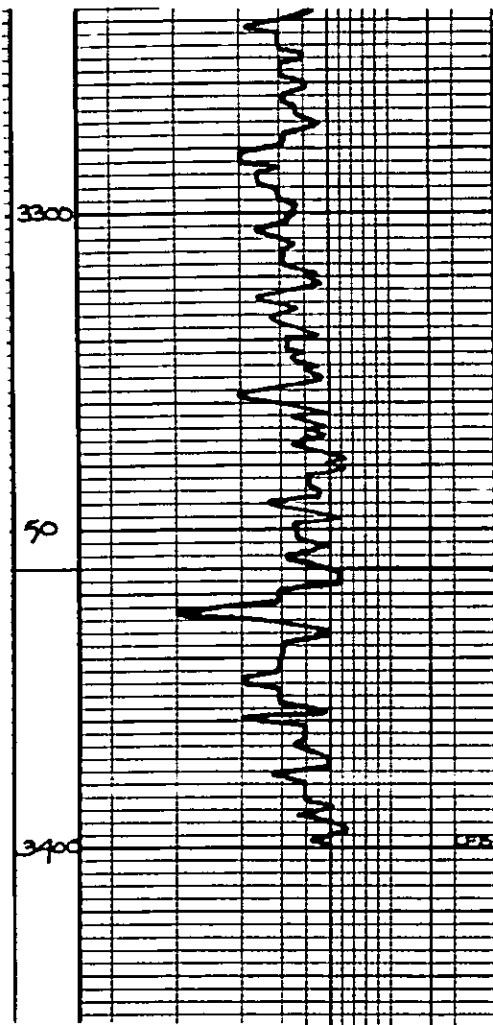
SOME K12

15 15 15 15 15

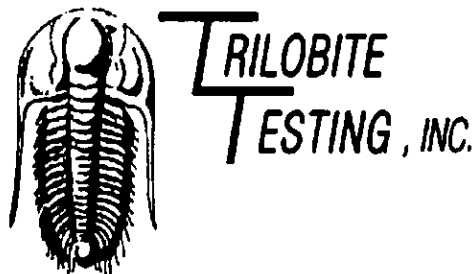


sh grey	DOT 2, 3025-3060
1 1/2' LAY VERT. - DSE / bl. post. in soil pc. pp. 78 spl 13 sta. n/a on 200m	30. 30. 30. 30
1 1/2' LAY DSE POSS.	IF SURFACE BLOW FF WEAK SURFACE
1 1/2' LAY AS 200-200 BK spl 13 sta. n/a on 200m	REC 5' MUD STEP (398-372)
1 1/2' LAY (broken) w/	FP (19-24) (210-37)
AA	HSL (1528-1496)
1 1/2' LAY - BUFF DSE	CHART PROFILE
sh grey - brick col.	
1 1/2' WHT CHALKY LS	
sh grey - mar	
1 1/2' LAY BROWN TR BLEN	
1 1/2' WHT ENVI. - CHALKY	
NS	
1 1/2' LAY DSE (MASSIVE)	
sh grey - black carbon	DOT 3, 3135-3200 H-1
1 1/2' grey - BUFF / w/ abund	19. 19. 19. 19
WHT CHALK	IF NO BLOW FF NO BLOW
1 1/2' WHT - CHALKY FINE - CHALKY	REC 2' MUD
no vis. of TR spl / ben. spl (2-3 pc.) n/a on	STEP (191-113)
odor	FP (17-19) (20-20)
1 1/2' BRN DSE	HSL (1613-1567)
1 1/2' HT LAY DSE 3/8" OC	CHART PROFILE
w/ pc. spl. below 3/8" OC	
spl. pc. sta. 3/8" FINE	
odor	
sh blk carb.	
1 1/2' BUFF - 1 1/2' LAY DSE	
FINE w/ ABUND WHT	
chalky	
sh grey - MAROON	





15 BUFF-CRM FINE DS
 50 grt - base rd
 lam.
 15 WHIT-CRCK W/ Sand
 layers gray mud grt sh
 15 4 sh AA
 15 BUFF-CRCK DS
 DS - P255
 Conglomerate 3350 (1526)
 A vari col ALL in
 matrix vari col sh
 AA
 AA
 (GEOLOGIST RELEASED
 5:00 PM 6-10-12)



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil Leasing Inc**

529 E 14th Box 871
Russell KS 67665

ATTN: Brad Hutchison

Koelling-Angel #1

26-10s-15w Osborne,KS

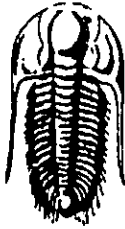
Start Date: 2012.06.09 @ 00:01:00

End Date: 2012.06.09 @ 05:05:00

Job Ticket #: 47123 DST #: 1

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

Printed: 2012.06.11 @ 16:29:13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil Leasing Inc

26-10s-15w Osborne, KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47123

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.06.09 @ 00:01:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: 1821.00 ft (KB)

Time Tool Opened: 01:43:00

Time Test Ended: 05:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 59

Interval: **2985.00 ft (KB) To 3020.00 ft (KB) (TVD)**

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3020.00 ft (KB) (TVD)

1815.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6753

Inside

Press@RunDepth: 23.66 psig @ 2988.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.09

End Date:

2012.06.09

Last Calib.: 2012.06.09

Start Time: 00:01:05

End Time:

05:04:59

Time On Btrm: 2012.06.09 @ 01:42:30

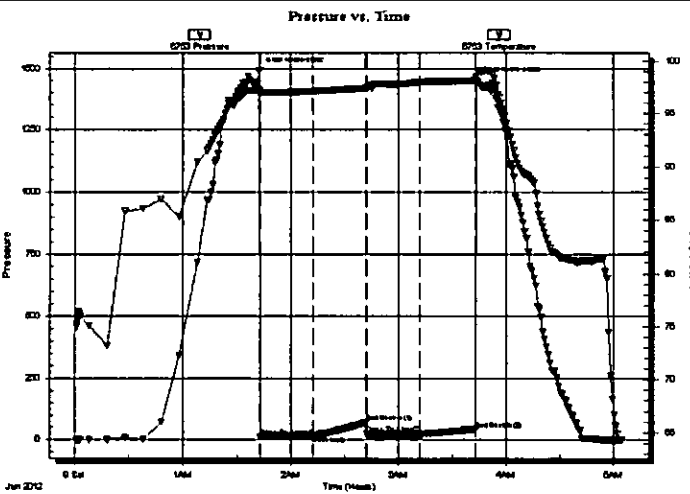
Time Off Btrm: 2012.06.09 @ 03:43:30

TEST COMMENT: 30-IFP- Surface Blow Died in 15 min

30-ISIP- No Blow

30-FFP- No Blow & Flushed

30-FSIP- No Blow



PRESSURE SUMMARY

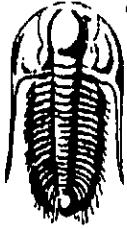
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1491.21	97.27	Initial Hydro-static
1	14.18	96.97	Open To Flow (1)
30	17.13	97.13	Shut-In(1)
60	70.88	97.42	End Shut-In(1)
60	23.97	97.39	Open To Flow (2)
90	23.66	98.02	Shut-In(2)
121	41.53	98.14	End Shut-In(2)
121	1449.92	98.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil Leasing Inc
529 E 14th Box 871
Russell KS 67665
ATTN: Brad Hutchison

26-10s-15w Osborne, KS
Koelling-Angel #1
Job Ticket: 47123 **DST#: 1**
Test Start: 2012.06.09 @ 00:01:00

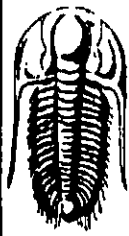
Tool Information

Drill Pipe:	Length: 2523.00 ft	Diameter: 3.80 inches	Volume: 35.39 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.75 inches	Volume: 3.44 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 38.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2985.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			2966.00	
Shut In Tool	5.00			2971.00	
Hydraulic tool	5.00			2976.00	
Packer	4.00			2980.00	20.00 Bottom Of Top Packer
Packer	5.00			2985.00	
Stubb	1.00			2986.00	
Perforations	2.00			2988.00	
Recorder	0.00	6753	Inside	2988.00	
Recorder	0.00	8369	Outside	2988.00	
Perforations	29.00			3017.00	
Bullnose	3.00			3020.00	35.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil Leasing Inc

26-10s-15w Osborne,KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47123

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.06.09 @ 00:01:00

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: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	MUD	0.022

Total Length:

3.00 ft

Total Volume:

0.022 bbl

Num Fluid Samples: 0

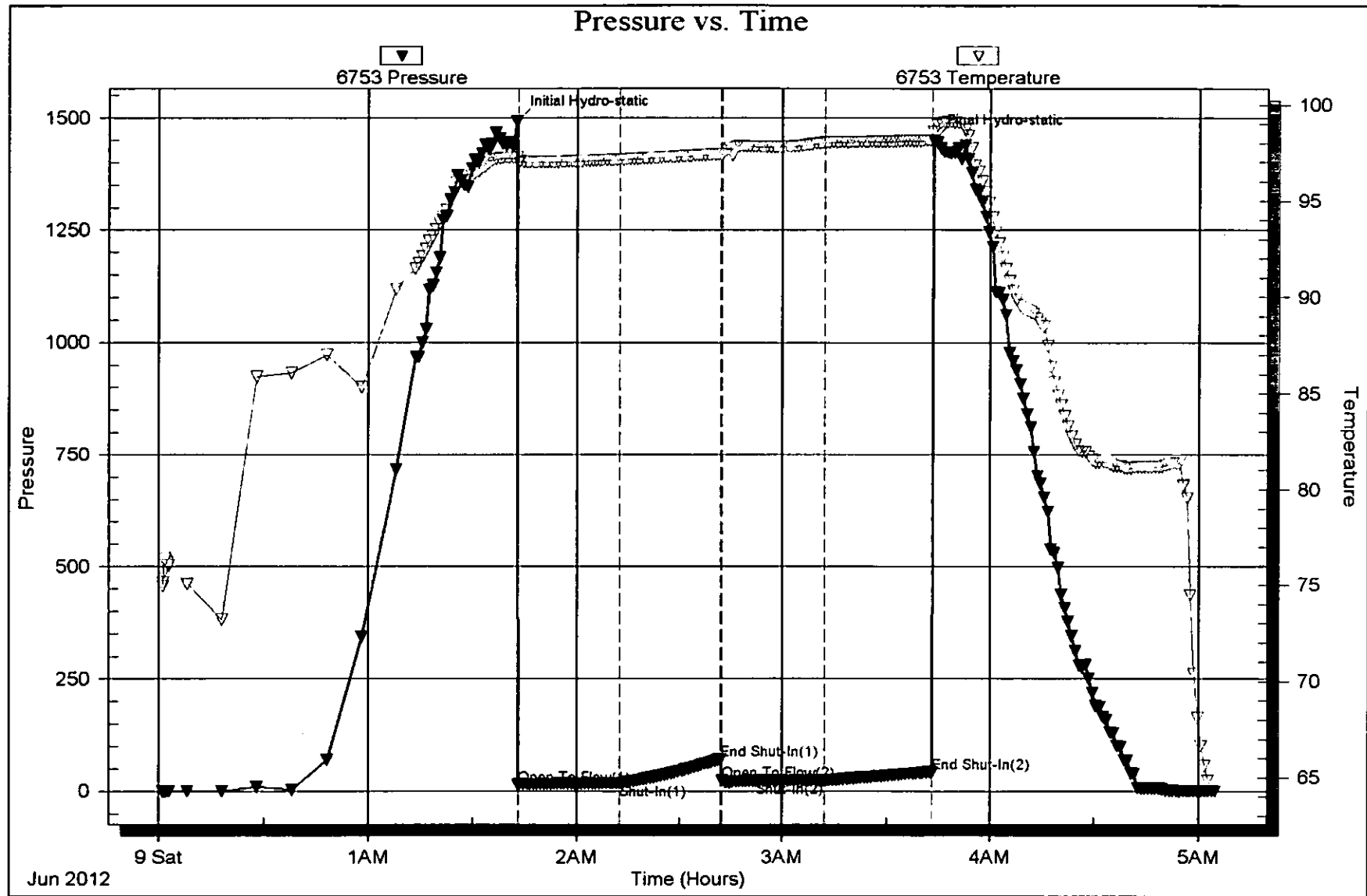
Num Gas Bombs: 0

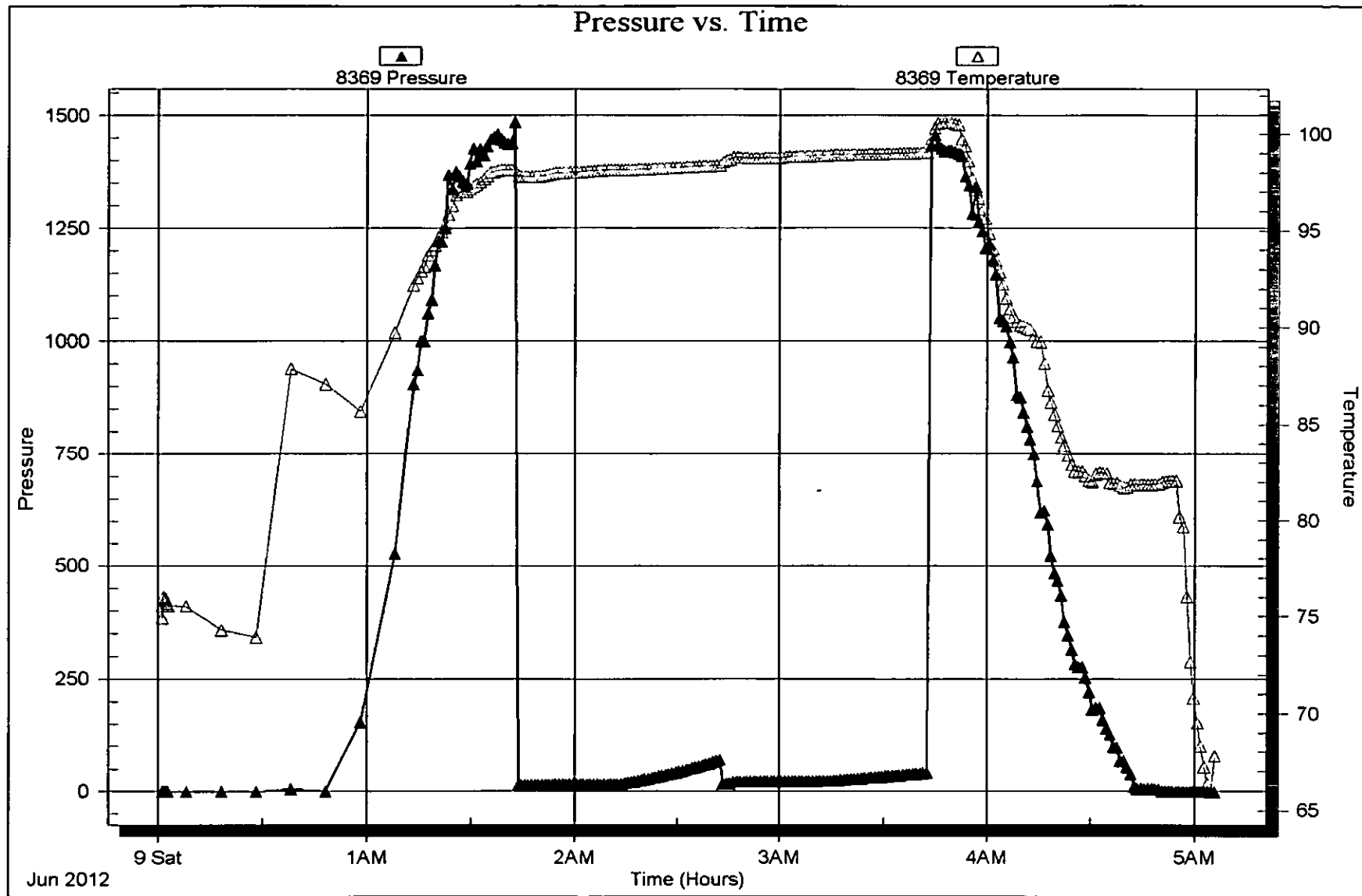
Serial #:

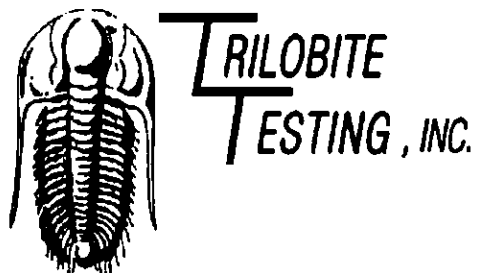
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil Leasing Inc**

529 E 14th Box 871
Russell KS 67665

ATTN: Brad Hutchison

Koelling-Angel #1

26-10s-15w Osborne,KS

Start Date: 2012.06.09 @ 11:35:00

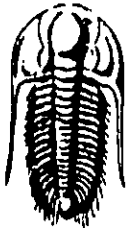
End Date: 2012.06.09 @ 16:30:00

Job Ticket #: 47124 DST #: 2

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

Printed: 2012.06.11 @ 16:28:24

Brungardt Oil Leasing Inc
26-10s-15w Osborne,KS
Koelling-Angel #1
DST # 2
LKC - B-C -
2012.06.09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil Leasing Inc

26-10s-15w Osborne, KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47124

DST#: 2

ATTN: Brad Hutchison

Test Start: 2012.06.09 @ 11:35:00

GENERAL INFORMATION:

Formation: **LKC "B-C"**

Deviated: No Whipstock: 1821.00 ft (KB)

Time Tool Opened: 13:08:00

Time Test Ended: 16:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 59

Interval: 3025.00 ft (KB) To 3060.00 ft (KB) (TVD)

Total Depth: 3060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1821.00 ft (KB)

1815.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6753

Outside

Press@RunDepth: 36.55 psig @ 3028.00 ft (KB)

Start Date: 2012.06.09

End Date:

2012.06.09

Start Time: 11:35:05

End Time:

16:28:59

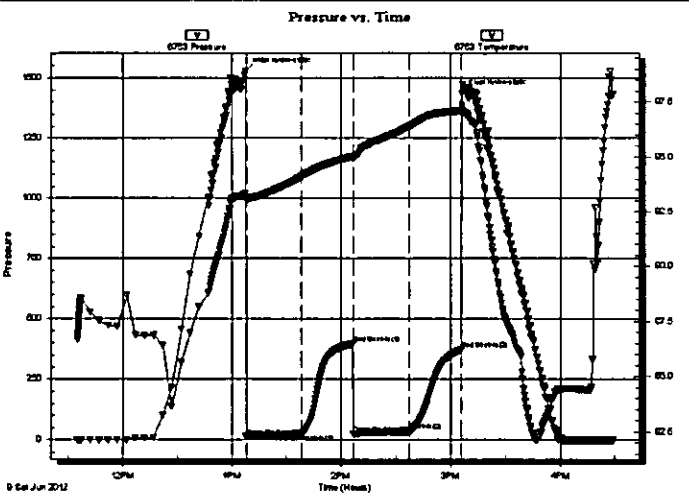
Capacity: 8000.00 psig

Last Calib.: 2012.06.09

Time On Btm: 2012.06.09 @ 13:07:30

Time Off Btm: 2012.06.09 @ 15:06:30

TEST COMMENT: 30-IFP- Surface Blow
30-ISF- No Blow
30-FFP- Flushed Weak Surface Blow
30-FSP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.82	93.34	Initial Hydro-static
1	14.92	93.03	Open To Flow (1)
31	23.82	94.08	Shut-In(1)
59	398.92	95.00	End Shut-In(1)
60	25.89	94.88	Open To Flow (2)
90	36.55	96.40	Shut-In(2)
119	372.80	97.11	End Shut-In(2)
119	1436.88	97.31	Final Hydro-static

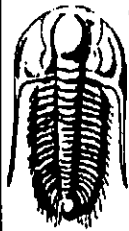
Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD	0.04

* 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

26-10s-15w Osborne,KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47124

DST#: 2

ATTN: Brad Hutchison

Test Start: 2012.06.09 @ 11:35:00

Tool Information

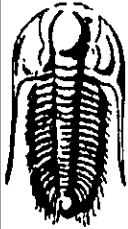
Drill Pipe:	Length: 2554.00 ft	Diameter: 3.80 inches	Volume: 35.83 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.75 inches	Volume: 3.44 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 39.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3025.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			3006.00	
Shut In Tool	5.00			3011.00	
Hydraulic tool	5.00			3016.00	
Packer	4.00			3020.00	20.00 Bottom Of Top Packer
Packer	5.00			3025.00	
Stubb	1.00			3026.00	
Perforations	2.00			3028.00	
Recorder	0.00	8369	Inside	3028.00	
Recorder	0.00	6753	Outside	3028.00	
Perforations	29.00			3057.00	
Bullnose	3.00			3060.00	35.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil Leasing Inc

26-10s-15w Osborne, KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47124

DST#: 2

ATTN: Brad Hutchison

Test Start: 2012.06.09 @ 11:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD	0.037

Total Length: 5.00 ft

Total Volume: 0.037 bbl

Num Fluid Samples: 0

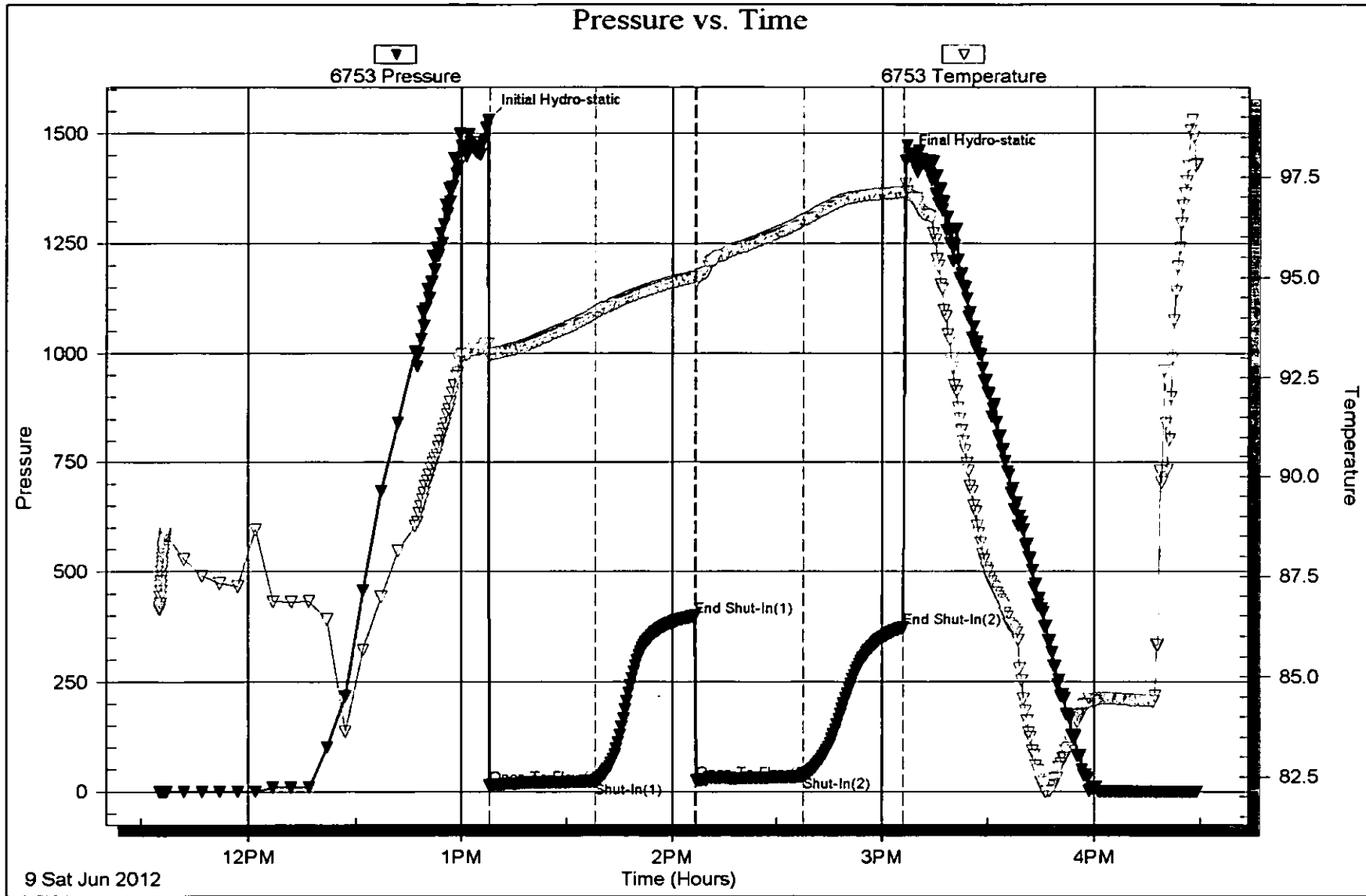
Num Gas Bombs: 0

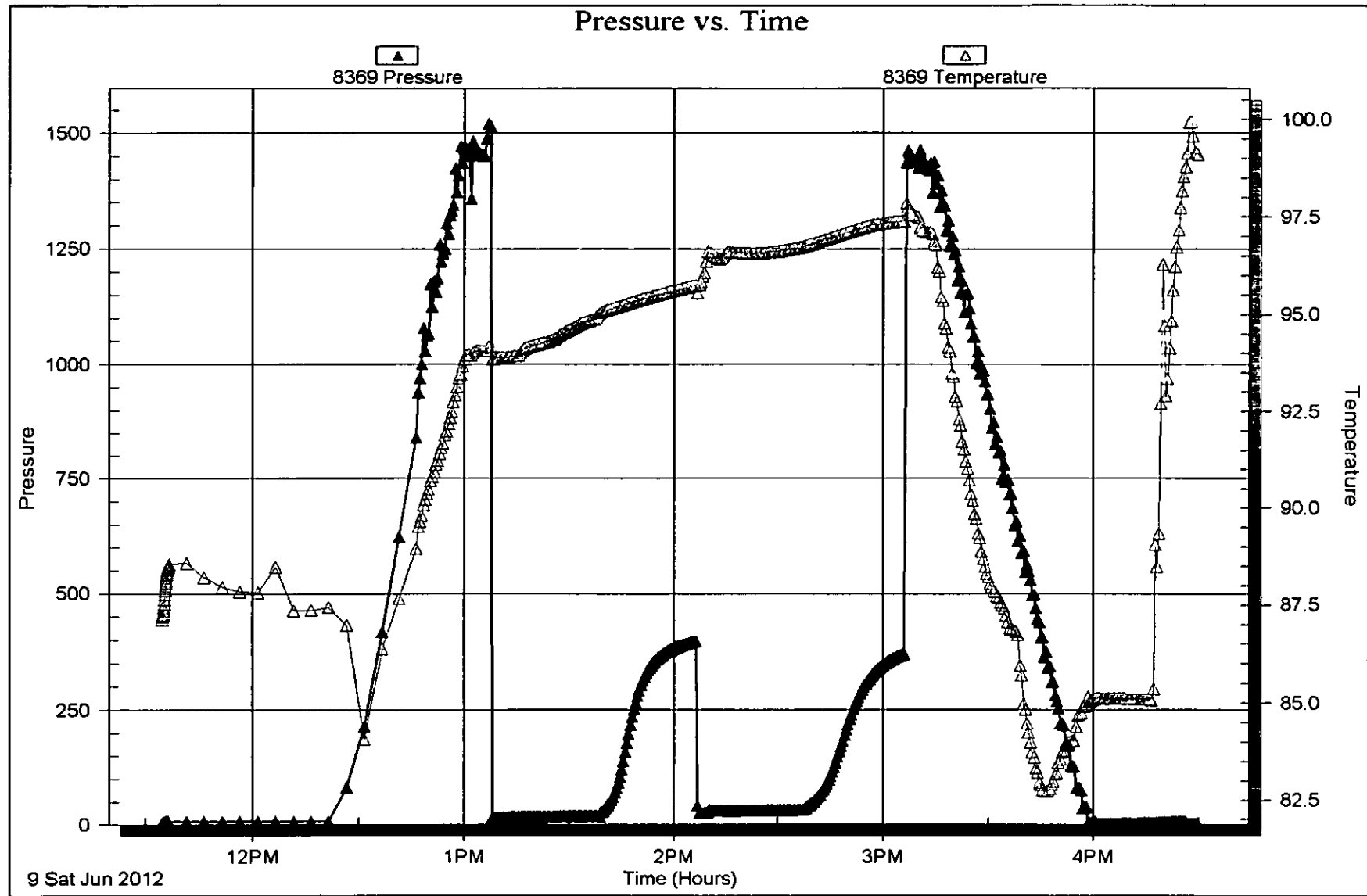
Serial #:

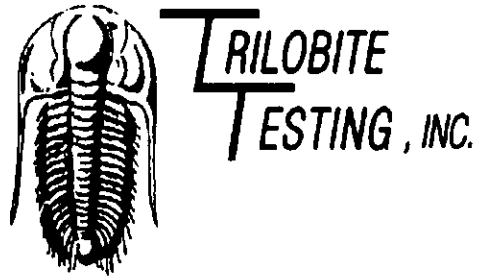
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil Leasing Inc**

529 E 14th Box 871
Russell KS 67665

ATTN: Brad Hutchison

Koelling-Angel #1

26-10s-15w Osborne,KS

Start Date: 2012.06.10 @ 07:35:00

End Date: 2012.06.10 @ 11:30:00

Job Ticket #: 47125 DST #: 3

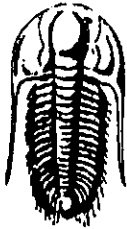
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.06.11 @ 16:27:38

Brungardt Oil Leasing Inc 26-10s-15w Osborne,KS Koelling-Angel #1 DST # 3 LKC "H-J" 2012.06.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Brungardt Oil Leasing Inc
529 E 14th Box 871
Russell KS 67665
ATTN: Brad Hutchison

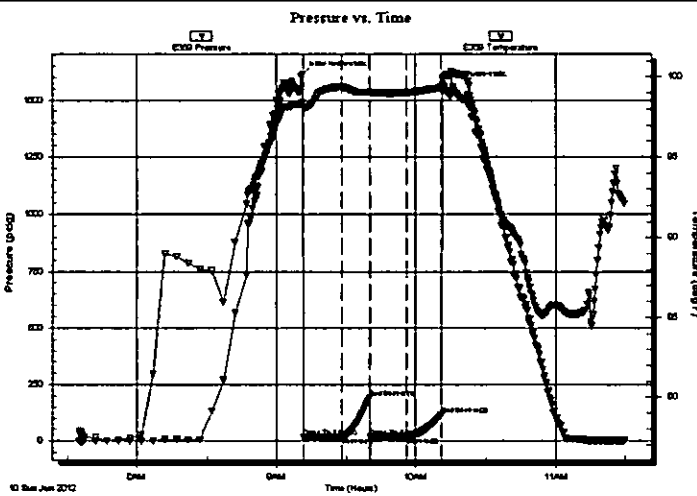
26-10s-15w Osborne,KS
Koelling-Angel #1
Job Ticket: 47125 DST#: 3
Test Start: 2012.06.10 @ 07:35:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
Deviated: **No** Whipstock: **1821.00 ft (KB)**
Time Tool Opened: 09:11:30
Time Test Ended: 11:30:00
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Jim Svaty**
Unit No: **59**
Interval: **3135.00 ft (KB) To 3200.00 ft (KB) (TVD)**
Reference Elevations: **1821.00 ft (KB)**
Total Depth: **3200.00 ft (KB) (TVD)**
1815.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **6.00 ft**

Serial #: 8369 **Inside**
Press@RunDepth: **20.41 psig @ 3136.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.06.10** End Date: **2012.06.10** Last Calib.: **2012.06.10**
Start Time: **07:35:05** End Time: **11:29:30** Time On Btm: **2012.06.10 @ 09:11:00**
Time Off Btm: **2012.06.10 @ 10:11:30**

TEST COMMENT: 15-IFP- Good Surge No Blow
15-ISIP- No Blow
15-FFP- No Blow
15-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.02	98.42	Initial Hydro-static
1	17.39	98.08	Open To Flow (1)
17	19.64	99.40	Shut-In(1)
29	191.31	99.09	End Shut-In(1)
30	20.01	99.02	Open To Flow (2)
45	20.41	99.04	Shut-In(2)
60	113.74	99.34	End Shut-In(2)
61	1567.97	99.87	Final Hydro-static

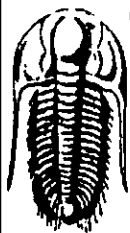
Recovery

Length (ft)	Description	Volume (bbl)
2.00	MUD	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

26-10s-15w Osborne, KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

Job Ticket: 47125

DST#: 3

ATTN: Brad Hutchison

Test Start: 2012.06.10 @ 07:35:00

Tool Information

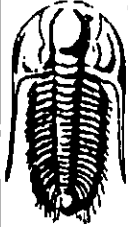
Drill Pipe:	Length: 2678.00 ft	Diameter: 3.80 inches	Volume: 37.57 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.75 inches	Volume: 3.44 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 41.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3135.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	85.00 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			3116.00	
Shut In Tool	5.00			3121.00	
Hydraulic tool	5.00			3126.00	
Packer	4.00			3130.00	20.00 Bottom Of Top Packer
Packer	5.00			3135.00	
Stubb	1.00			3136.00	
Recorder	0.00	8369	Inside	3136.00	
Recorder	0.00	8167	Outside	3136.00	
Perforations	28.00			3164.00	
Change Over Sub	1.00			3165.00	
Blank Spacing	31.00			3196.00	
Change Over Sub	1.00			3197.00	
Bullnose	3.00			3200.00	65.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil Leasing Inc
529 E 14th Box 871
Russell KS 67665
ATTN: Brad Hutchison

26-10s-15w Osborne,KS
Koelling-Angel #1
Job Ticket: 47125 DST#: 3
Test Start: 2012.06.10 @ 07:35:00

Mud and Cushion Information

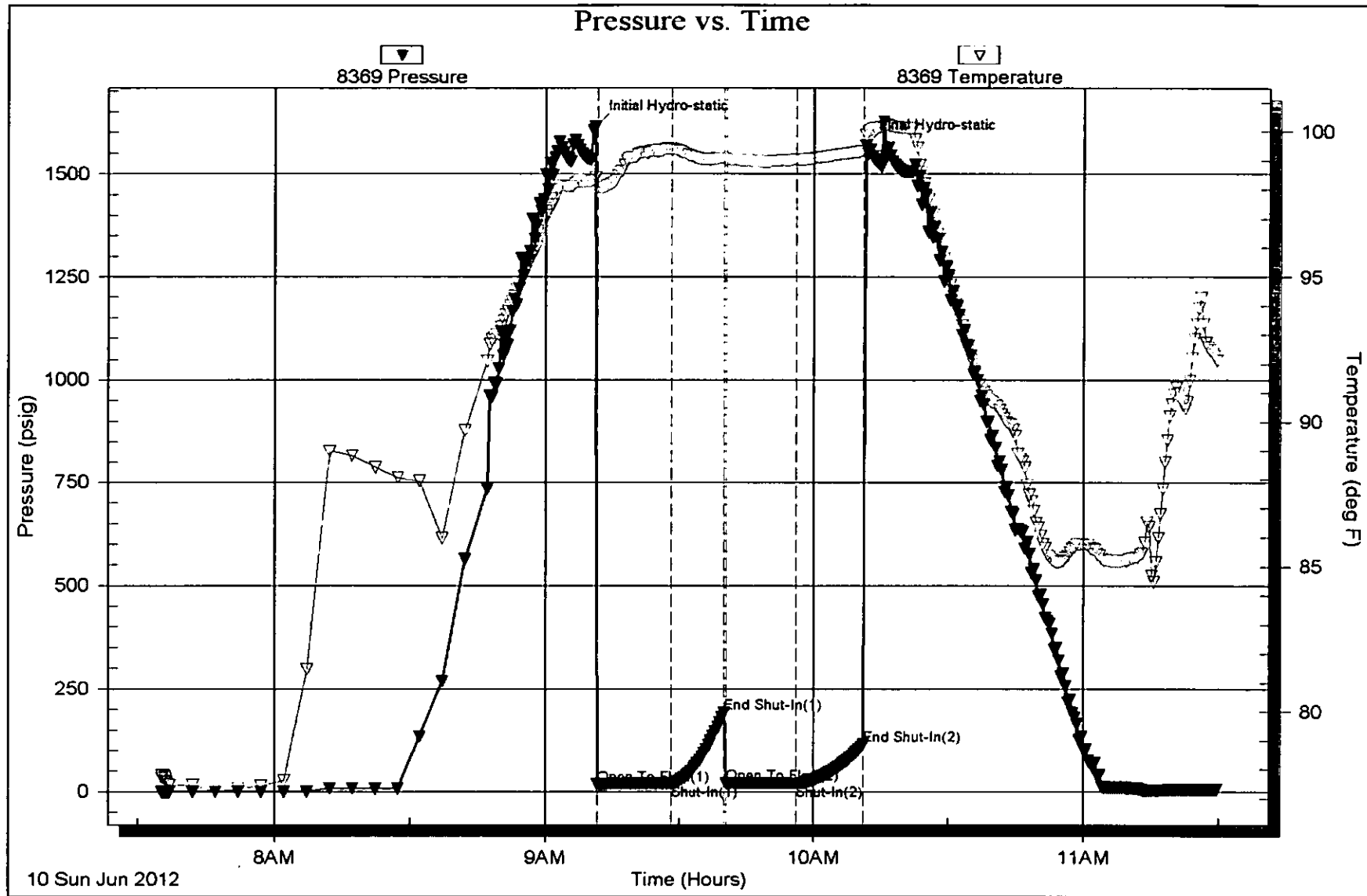
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

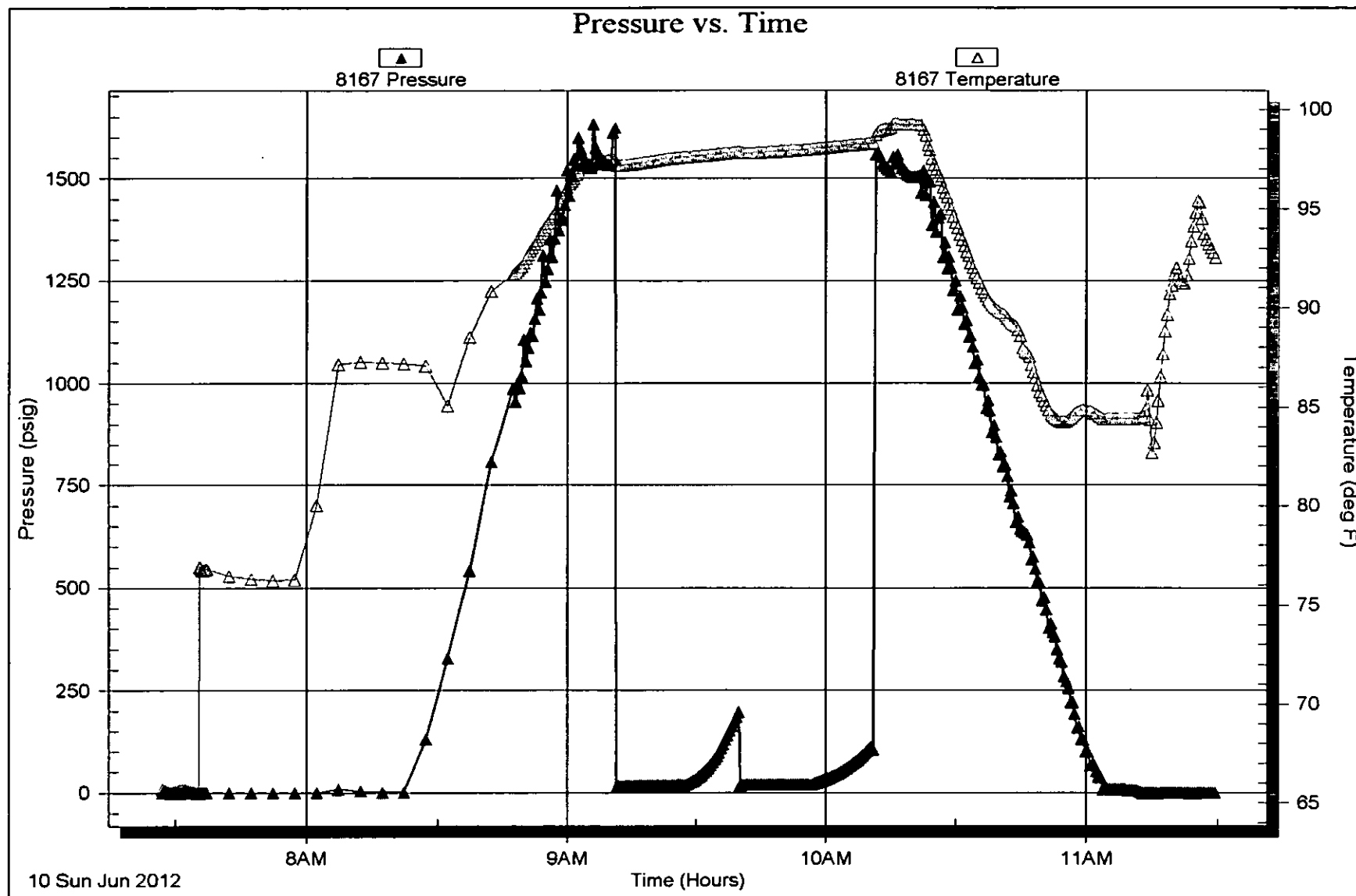
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	MUD	0.015

Total Length: 2.00 ft Total Volume: 0.015 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47123

Well Name & No. Koelling - Angel #1 Test No. 1 Date 6-8-12
 Company Brungardt Oil & Leasing Inc Elevation 1821 KB 1815 GL
 Address 529 E 14th Box 871 Russell Ks. 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields Rig #1
 Location: Sec. 26 Twp. 10^s Rge. 15^w Co. Osborne State Ks.

Interval Tested 2985-3020 Zone Tested LKC "A"
 Anchor Length 35' Drill Pipe Run 2523 Mud Wt. 8.8
 Top Packer Depth 2980 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 2985 Wt. Pipe Run 468 WL 6.8
 Total Depth 3020 Chlorides 3700 ppm System LCM Nil

Blow Description IFP - Surface Blow Dried in 15min
ISIP - No Blow
FFP - No Blow & Flushed
FSIP - No Blow

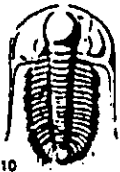
Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>MUD</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1491 Test 1150 T-On Location 22:00
 (B) First Initial Flow 14 Jars _____ T-Started 00:01
 (C) First Final Flow 17 Safety Joint _____ T-Open 01:42
 (D) Initial Shut-In 70 Circ Sub _____ T-Pulled 03:42
 (E) Second Initial Flow 23 Hourly Standby _____ T-Out 05:05
 (F) Second Final Flow 23 Mileage 94 RT 145.70
 (G) Final Shut-In 41 Sampler _____
 (H) Final Hydrostatic 1449 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1295.70
 Sub Total 1295.70 MP/DST Disc't 785

Approved By _____ Our Representative [Signature] 639
5864
 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, too's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made



TRIOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47124

Well Name & No. Koelling - Angel #1 Test No. 2 Date 6-9-12
 Company Brunyard Oil + Leasing Inc Elevation 1821 KB 1815 GL
 Address 529 E 14th Box 871 Russell Ks 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields Rig #1
 Location: Sec. 26 Twp. 10^s Rge. 15W Co. Osborne State KS

Interval Tested 3025-3060 Zone Tested LKC "B-C"
 Anchor Length 35 Drill Pipe Run 2554 Mud Wt. 8.9
 Top Packer Depth 3020 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 3025 Wt. Pipe Run 468 WL 7.2
 Total Depth 3060 Chlorides 3900 ppm System LCM Nil

Blow Description IFP - Weak Surface Blow
ISIP - No Blow
FFP - Flushed Surface Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</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 5 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1528 Test 1150 T-On Location 11:00
 (B) First Initial Flow 19 Jars _____ T-Started 11:35
 (C) First Final Flow 23 Safety Joint _____ T-Open 13:08
 (D) Initial Shut-In 398 Circ Sub _____ T-Pulled 15:08
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 16:30
 (F) Second Final Flow 36 Mileage 145.70 Comments _____
 (G) Final Shut-In 372 Sampler _____
 (H) Final Hydrostatic 1436 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1295.70 Sub Total 1295.70

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

Approved By _____ Our Representative [Signature] 639
 5864
 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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47125

Well Name & No. Koelling - Angel #1 Test No. 3 Date 6-10-12
 Company Brungardt Oil & Leasing Inc Elevation 1821 KB 1815 GL
 Address 529th E 14th Box 871 Russell KS 67665
 Co. Rep / Geo. Brad Hutchison Rig Shields Rig #1
 Location: Sec. 26 Twp. 10 Rge. 15 Co. Osborne State KS

Interval Tested 3135-3200 Zone Tested LKC "H-J"
 Anchor Length 65 Drill Pipe Run 2678 Mud Wt. 9.3
 Top Packer Depth 3130 Drill Collars Run 0 Vis 6.5
 Bottom Packer Depth 3135 Wt. Pipe Run 468 WL 7.8
 Total Depth 3200 Chlorides 3800 ppm System LCM N/A
 Blow Description IFP - Good Surge No Blow
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>MUD</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 2 BHT 99 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1613 Test 1150 T-On Location 06:50
 (B) First Initial Flow 17 Jars T-Started 07:35
 (C) First Final Flow 19 Safety Joint T-Open 09:11
 (D) Initial Shut-In 191 Circ Sub T-Pulled 10:11
 (E) Second Initial Flow 20 Hourly Standby T-Out 11:30
 (F) Second Final Flow 20 Mileage 145.70 Comments _____
 (G) Final Shut-In 113 Sampler _____
 (H) Final Hydrostatic 1567 Straddle _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 15 Ruined Packer _____
 Final Flow 15 Extra Packer _____
 Final Shut-In 15 Extra Recorder _____
 Sub Total 0
 Total 1295.70
 MP/DST Disc't _____
 Sub Total 1295.70

Approved By _____ Our Representative [Signature]
 TriLOBITE Testing Inc. shall not be liable for damaged or 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, tool's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.