



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1091533

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 |
|---|---|

| 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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

| | | |
|---|--|--|
| 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

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 | 6-11-10 | Sec. 26 | Tw. 10 | Range 15 | County DeSoto | State Kansas | On Location | Finish 11/02/09 |
| Lease | Rolling-Ancora | Well No. | 1 | | Location Paradise Eld Sub | | | |
| Contractor | Shields Drilling | | | | Owner | | | |
| Type Job | Plug | | | | 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 | 7 7/8 | | T.D. | | Charge To Blumgard Oil Leasing | | | |
| Csg. | | | Depth | | 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. | | | Shoe Joint | | Cement Amount Ordered 200 6040 46/600 | | | |
| Meas Line | | | Displace | | 1/2 El Seal per sk | | | |

EQUIPMENT

| | | | | |
|---------|----|--------------|---|----------|
| Pumptrk | 5 | No. Cementer | | Common |
| | | Helper | 2 | |
| Bulktrk | 10 | No. Driver | 2 | Poz. Mix |
| | | Driver | 2 | |
| Bulktrk | | No. Driver | 2 | Gel. |
| | | Driver | 2 | |

JOB SERVICES & REMARKS

| | |
|--------------------|-------------------------|
| Remarks: | Hulls |
| Rat Hole 30x | Salt |
| Mouse Hole | Flowseal |
| Centralizers 10 | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| 1st Plug @ 960 25x | Sand |
| | Handling |
| 2nd " 565 80x | Mileage |

FLOAT EQUIPMENT

| | |
|----------------|-----------------|
| 3rd " 260 40x | Guide Shoe |
| | Centralizer |
| 4th " 40 10x | Baskets |
| | AFU Inserts |
| Rat Hole 30x | Float Shoe |
| | Latch Down |
| Mouse Hole 15x | 8 5/8 Wood Plug |

| | | |
|-----------|----------------|--------------|
| Signature | Pumptrk Charge | Tax |
| | Mileage | Discount |
| | | Total Charge |

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 | Koebling Angel | | Well No. | # 1 | | Location | Klatoma 4E-5 INTD | | | | | | | | |
| Contractor | SHIELDS | | Owner | BRUNGAERT OIL | | | | | | | | | | | |
| Type Job | SUREPORE | | 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 1/4" | | T.D. | 222' | | | | | | | | | | | |
| Csg. | 8 3/8" | | Depth | | | | | | | | | | | | |
| Tbg. Size | | | Depth | | | | | | | | | | | | |
| Tool | | | Depth | 15' | | City | Russell | | State | KANSAS | | | | | |
| Cement Left in Csg. | | | Shoe Joint | | | | | | | | | | | | |
| Meas Line | | | Displace | 13 BLS | | Cement Amount Ordered | 140.000 3% - 2% | | | | | | | | |

EQUIPMENT

| | | | | | |
|---------|-----|-----|----------|-------|----------|
| Pumptrk | #15 | No. | Cementer | | Common |
| | | | Helper | NECK | |
| Bulktrk | #14 | No. | Driver | CODY | Poz. Mix |
| | | | Driver | | |
| Bulktrk | #11 | No. | Driver | CASEY | Gel. |
| | | | Driver | | |

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 |
| | Sand |
| | Handling |
| | Mileage |

FLOAT EQUIPMENT

| | |
|---------------------|----------------------|
| CEMENT DED. CEMENT! | Guide Shoe |
| | Centralizer |
| | Baskets |
| | AFU Inserts |
| | Float Shoe |
| THANK YOU X | Latch Down |
| | 1 - 8 1/2" WOOD PLUG |
| | Pumptrk Charge |
| | Mileage |

| | |
|-------------|--------------|
| | Tax |
| | Discount |
| X Signature | Total Charge |

BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNGARDT OIL & LEASING, INC.
 LEASE Koelling-Angel #1
 FIELD _____
 LOCATION 110' ENL, 365' FWL
 SEC 26 TWSP 10S RGE 15W
 COUNTY Osborne STATE Kansas

ELEVATIONS

KB 1820'
 DF _____
 GL 1815'

Measurements Are All
From Kelly Busting

CONTRACTOR SHIELDS OIL PRODUCERS, INC.
 SPUD 6-4-12 COMP 6-11-12
 RTD 3400 (-1580) LTD _____
 MUD UP 2400' TYPE MUD CHEMICAL

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 |
|---------------------|-----|---------------------|
| <u>Anhydrite</u> | | <u>969 (+851)</u> |
| <u>Topeka</u> | | <u>2706 (-886)</u> |
| <u>Heebner</u> | | <u>2954 (-1134)</u> |
| <u>Toronto</u> | | <u>2975 (-1155)</u> |
| <u>Lansing</u> | | <u>3002 (-1182)</u> |
| <u>Conglomerate</u> | | <u>3356 (-1536)</u> |

| | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |










8 5/8" surface pipe set @ 219' w/
 150 BX. COM. 2% gel. 3% cc. Ceme
 did wire.

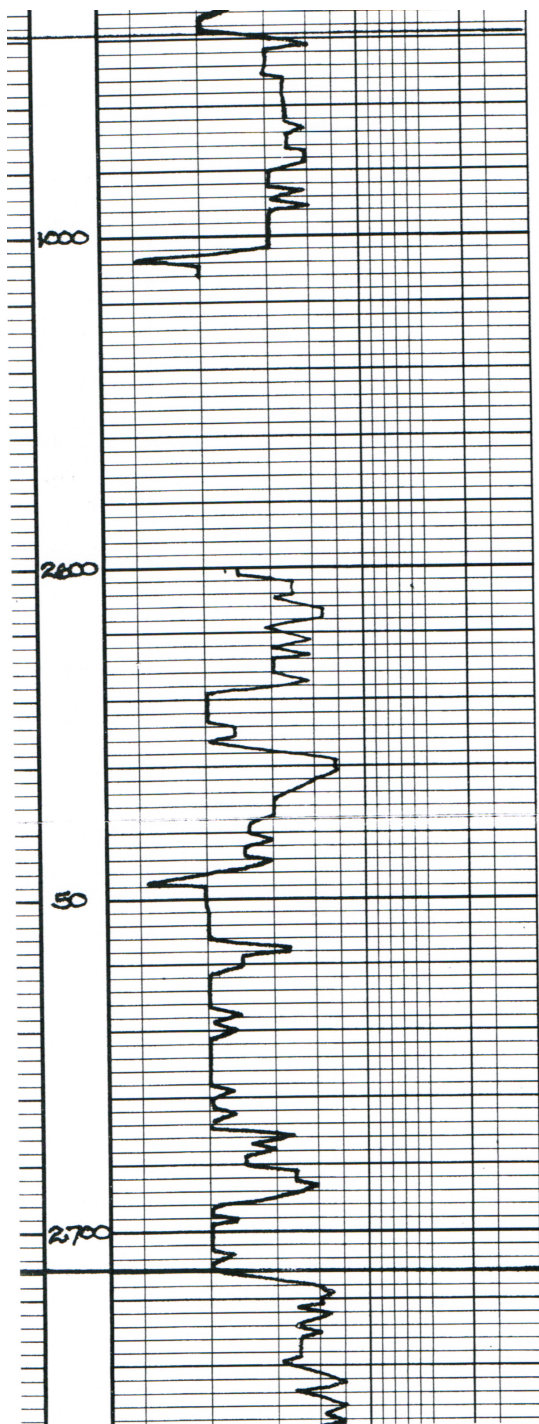
Survey: Depth: Deviation:
222' 1/2°
3020' 1/2°

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

respectfully submitted,
 Brad J. Hutchison

LEGEND

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



Army 969 (+851)

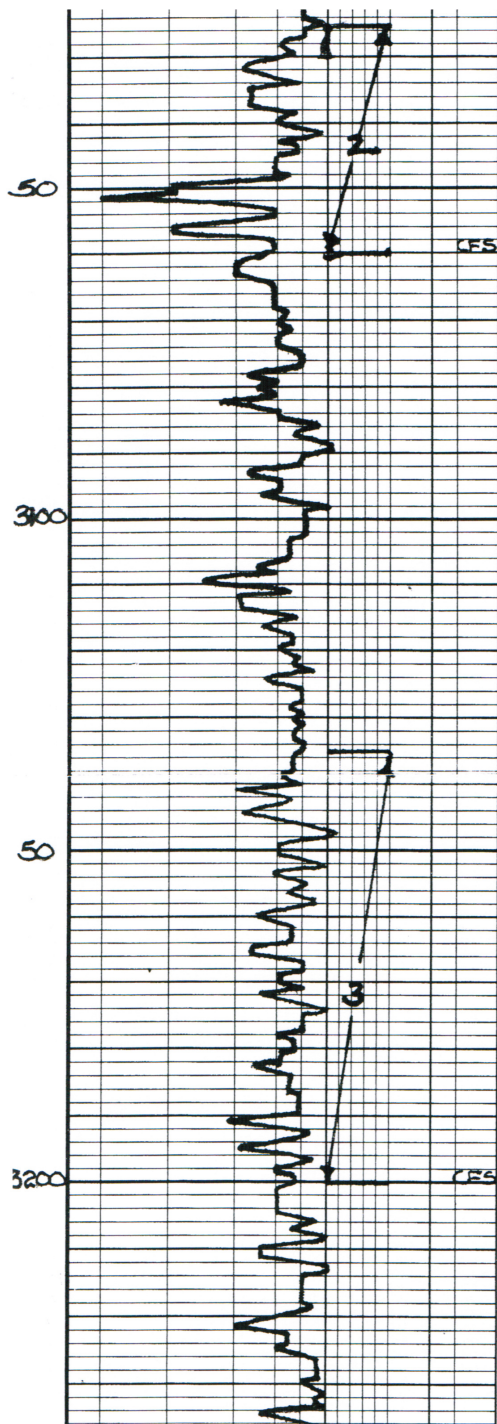
Geologist on 10
8:00 AM 6-8-12

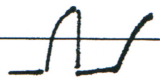

TOPEKA 2700 (-886)

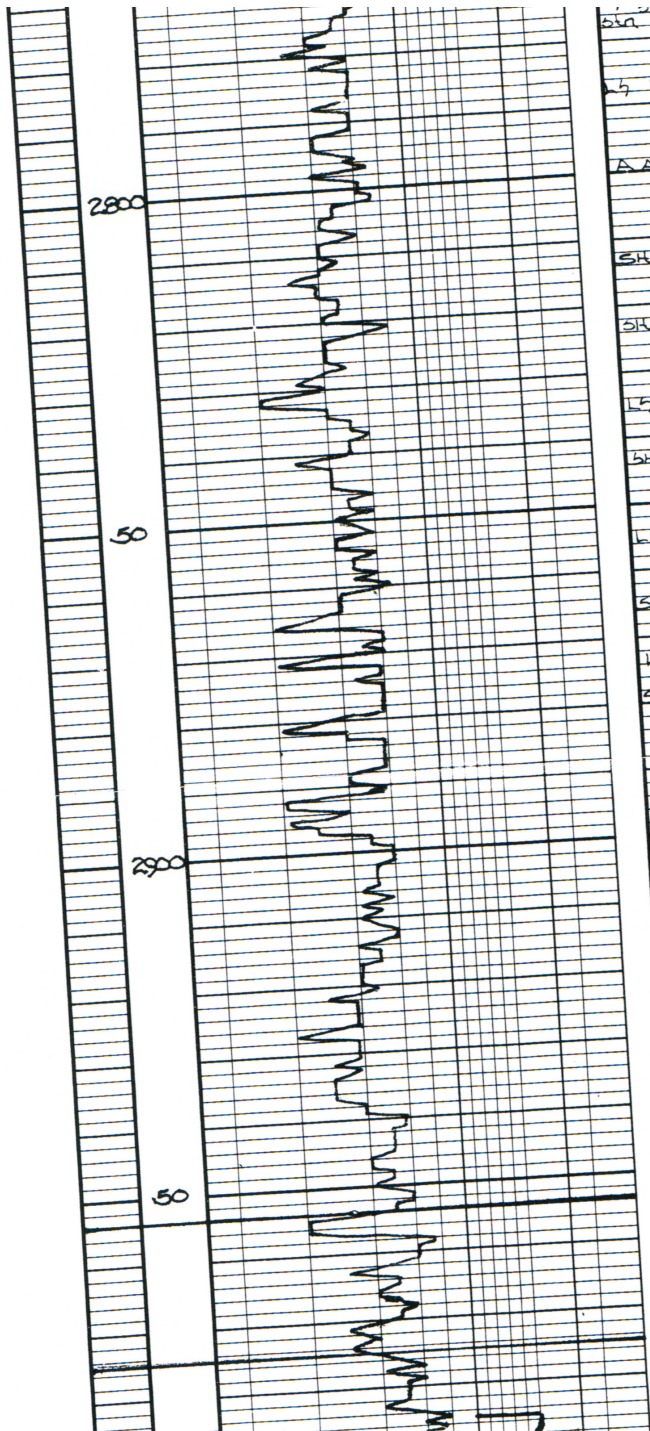
by BUFF-CRM FAXL F055

same Alt.

by LT Gary D. Se.



| | |
|---|--|
| sh gray | DST 2, 3025-3060 |
| 1 1/2 LGM VFN XL-DSE / sh Foss TR spt pr ppo TR spt LI str neo on odor | 30. 30. 30. 30 IF surface blow FF weak surface |
| 1 1/2 LGRY DSE Foss, | REC 5' MUO |
| 1 1/2 LT GRAY AY DOL-DOL FR spt pr spt pr spt pr spt pr spt pr (w/ broken) w/ odor AA, | SIP (398-372) FP (19-24)(26-37) HSH (1528-1436) |
| 1 1/2 LT GRAY-BUFF DSE |  |
| sh gray-brick red, | CHART PROFILE |
| INC WHT chunky LS | |
| sh gray-mar | |
| 1 1/2 LGM FNL TR Foss LS -NS- | |
| 1 1/2 WHT FNL-CHALKY NS | |
| 1 1/2 LRY DSE (massive) | |
| sh gray-black carb- | DST 3 3135-3200 H.) |
| 1 1/2 GRAY-BUFF/w abund WHT chunky | 15. 15. 15. 15 IF no blow FF no blow |
| 1 1/2 WHT-CRM FNL-chalky DOL no vis of TR spt / ben str (2-3 pr) NEO on odor | REC 2' MUD SIP (191-113) FP (17-19)(20-20) HSH (1613-1567) |
| 1 1/2 BRN DSE |  |
| 1 1/2 LT GRAY DSE sub ool v. pr spt pr spt pr spt pr spt pr str spt pr spt pr odor | CHART PROFILE |
| sh blk carb., | |
| 1 1/2 buff-1 1/2 GRAY DSE Foss w/ abund WHT chunky, | |
| sh gray-maroon | |



sh. nro. sh. odor

L₄ Lt grey - BUFF Dse
Foss.

AA w/ IR smoky blk
△

SH BLK carb

SH red - grey

L₅ grey Dse.

sh rusty BRN

L₅ BUFF - CRM Dse
Highly Foss

sh grey

L₄ buff Foss.

sh blk carb.

L₅ WHIT HIGHLY CHERTY -
Foss IR sh edge sh
NRO sh odor

L₅ CRM - BUFF Dse
cherty

AA

L₅ whit ool - Foss
cherty

Abund crag - MILKY
Foss △

HEEBNER 2954 (-1134)

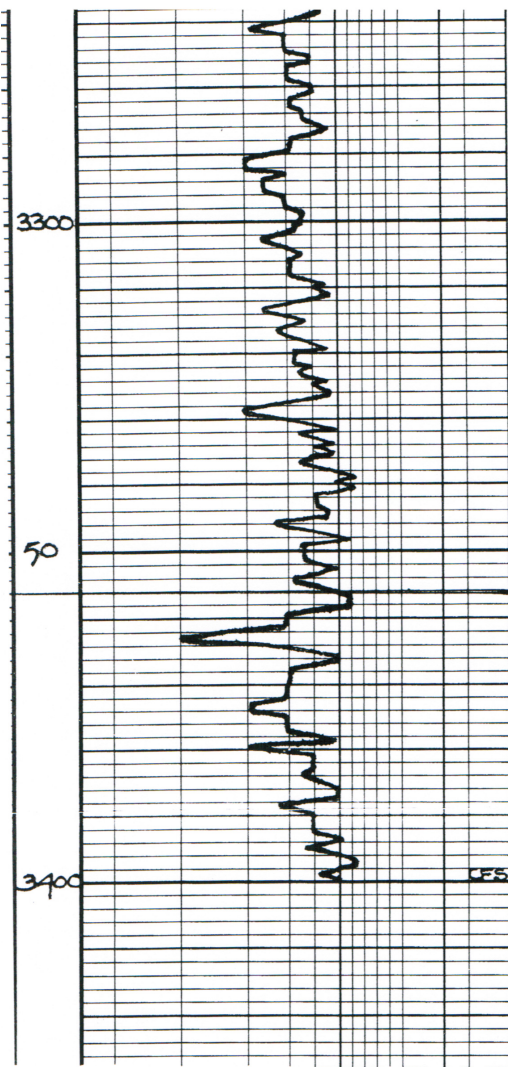
sh blk carb.

sh pale grn (gumbo)

TORONTO 2975 (-1155)

L₄ Lt grey - BUFF VERY
Dse

DST:
30.
IP
FF
REC
SIP
FPT



1b BUFF-CRM FNK DSE
 5b grd - back rd
 lam.
 1b wpt - CRM w/ abund
 layers gray mar grd sh.
 1b 4' sh AA
 1b BUFF-CRM DSE
 cor - Foss
 Conglomerate 33% (15%)
 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

Brungardt Oil Leasing Inc

26-10s-15w Osborne,KS

Koelling-Angel #1

DST # 1

LKC " A "

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: 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 @ Run Depth: 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 Btm:

2012.06.09 @ 01:42:30

Time Off Btm:

2012.06.09 @ 03:43:30

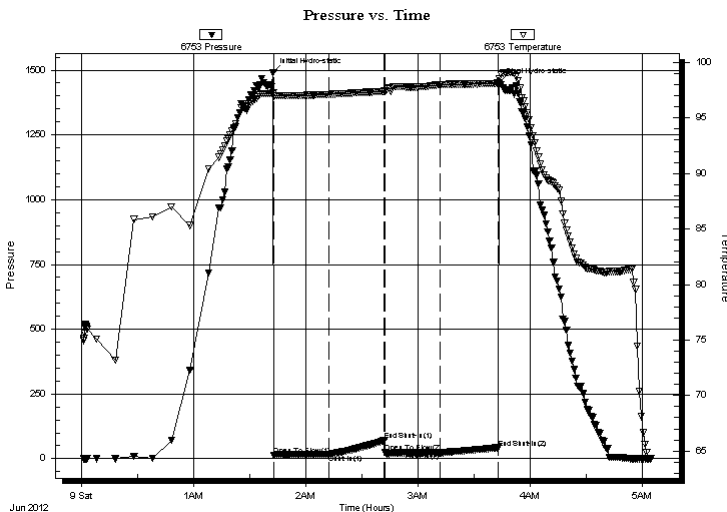
TEST COMMENT: 30-IFP- Surface Blow Died in 15 min

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

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

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:

Serial #: 6753

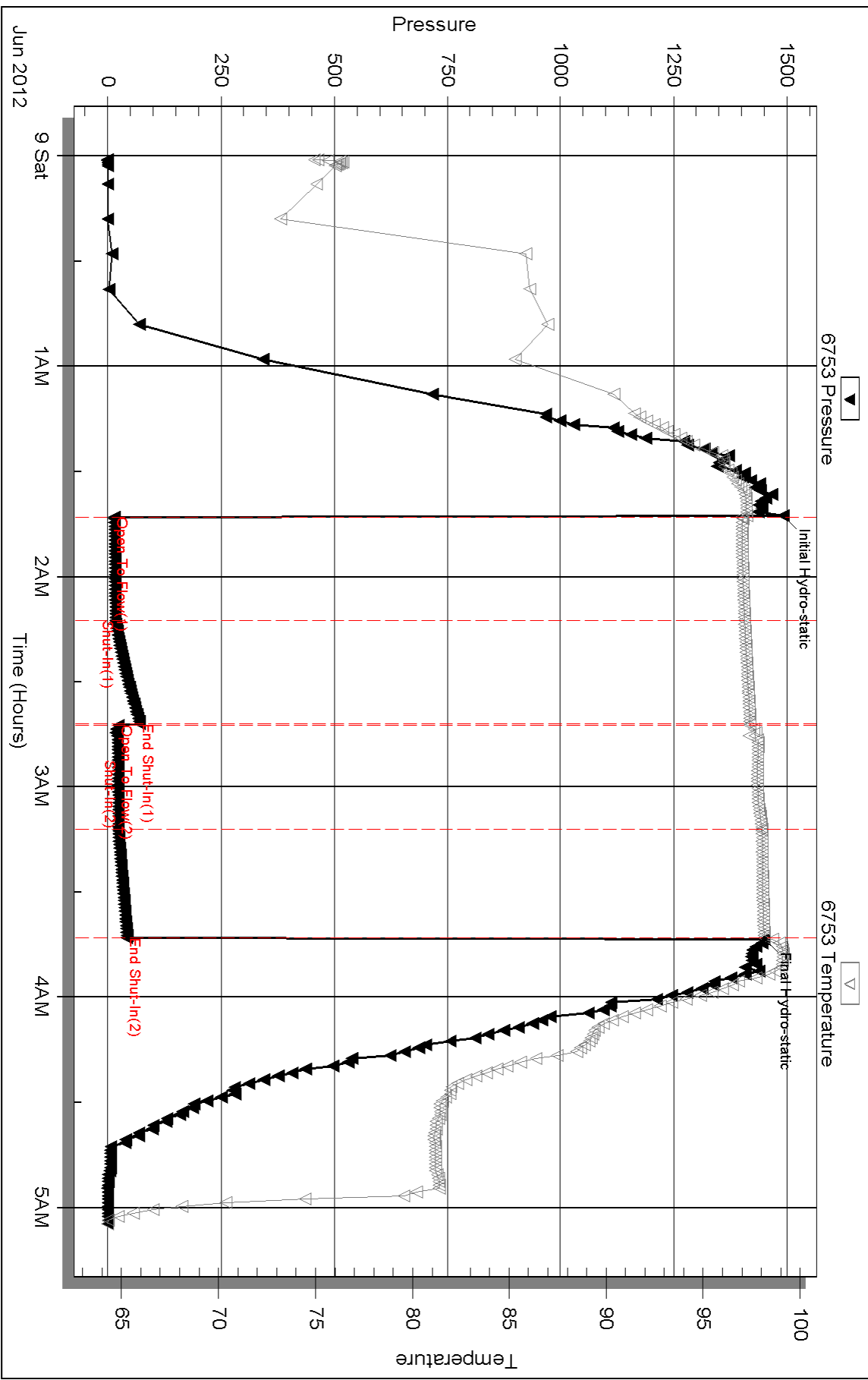
Inside

Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 1

Pressure vs. Time

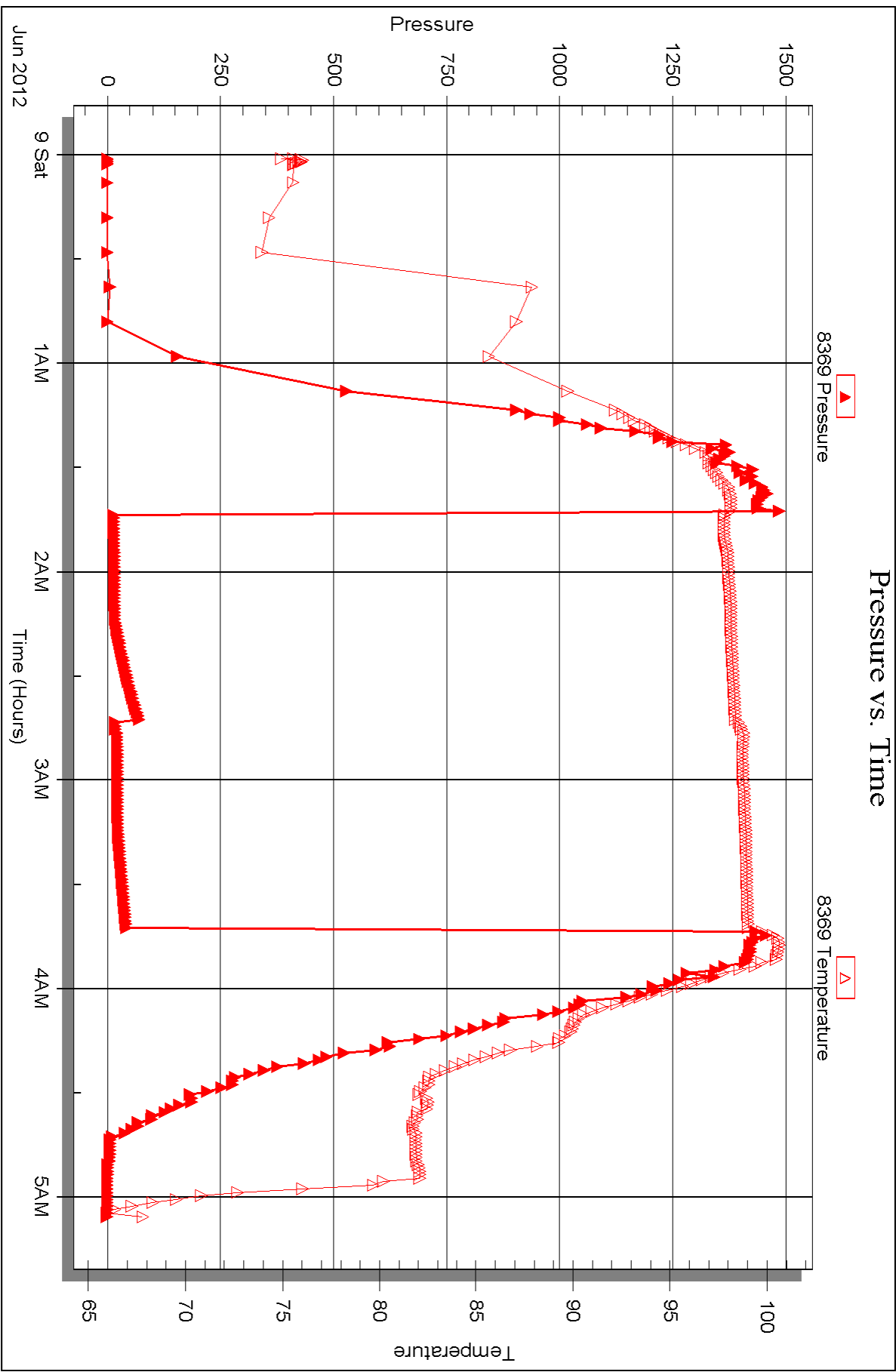


Serial #: 8369

Outside Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 1





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)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3060.00 ft (KB) (TVD)

1815.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 36.55 psig @ 3028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.09

End Date:

2012.06.09

Last Calib.:

2012.06.09

Start Time:

11:35:05

End Time:

16:28:59

Time On Btm:

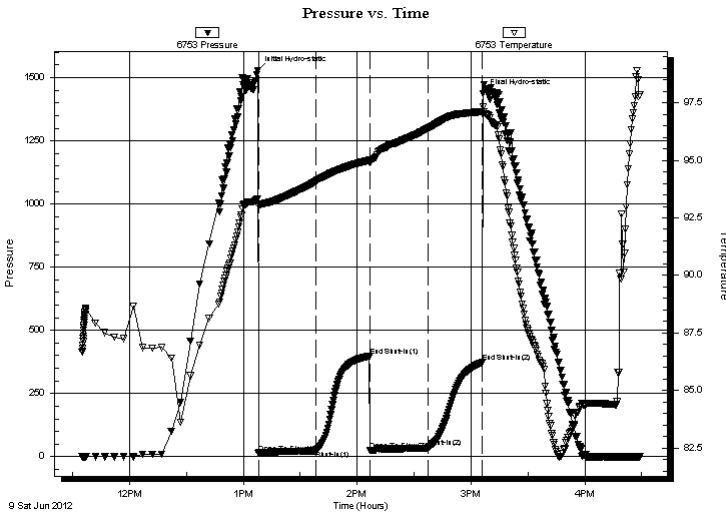
2012.06.09 @ 13:07:30

Time Off Btm:

2012.06.09 @ 15:06:30

TEST COMMENT: 30-IFP- Surface Blow
30-ISIP- No Blow
30-FFP- Flushed Weak Surface Blow
30-FSIP- 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 |

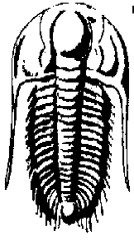
Recovery

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

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

26-10s-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)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3060.00 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 @ Run Depth: psig @ 3028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.09

End Date:

2012.06.09

Last Calib.:

2012.06.09

Start Time: 11:34:35

End Time:

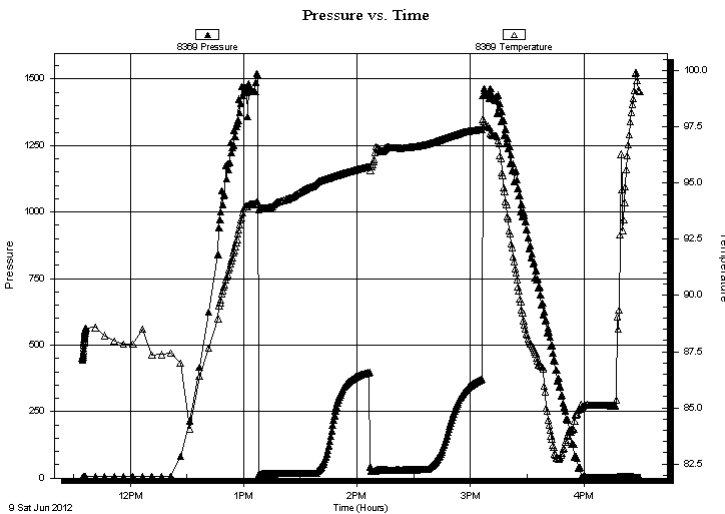
16:29:29

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- Surface Blow
30-ISIP- No Blow
30-FFP- Flushed Weak Surface Blow
30-FSIP- No Blow

PRESSURE SUMMARY



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

Recovery

Gas Rates

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

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

* Recovery from multiple tests



**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 | 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:

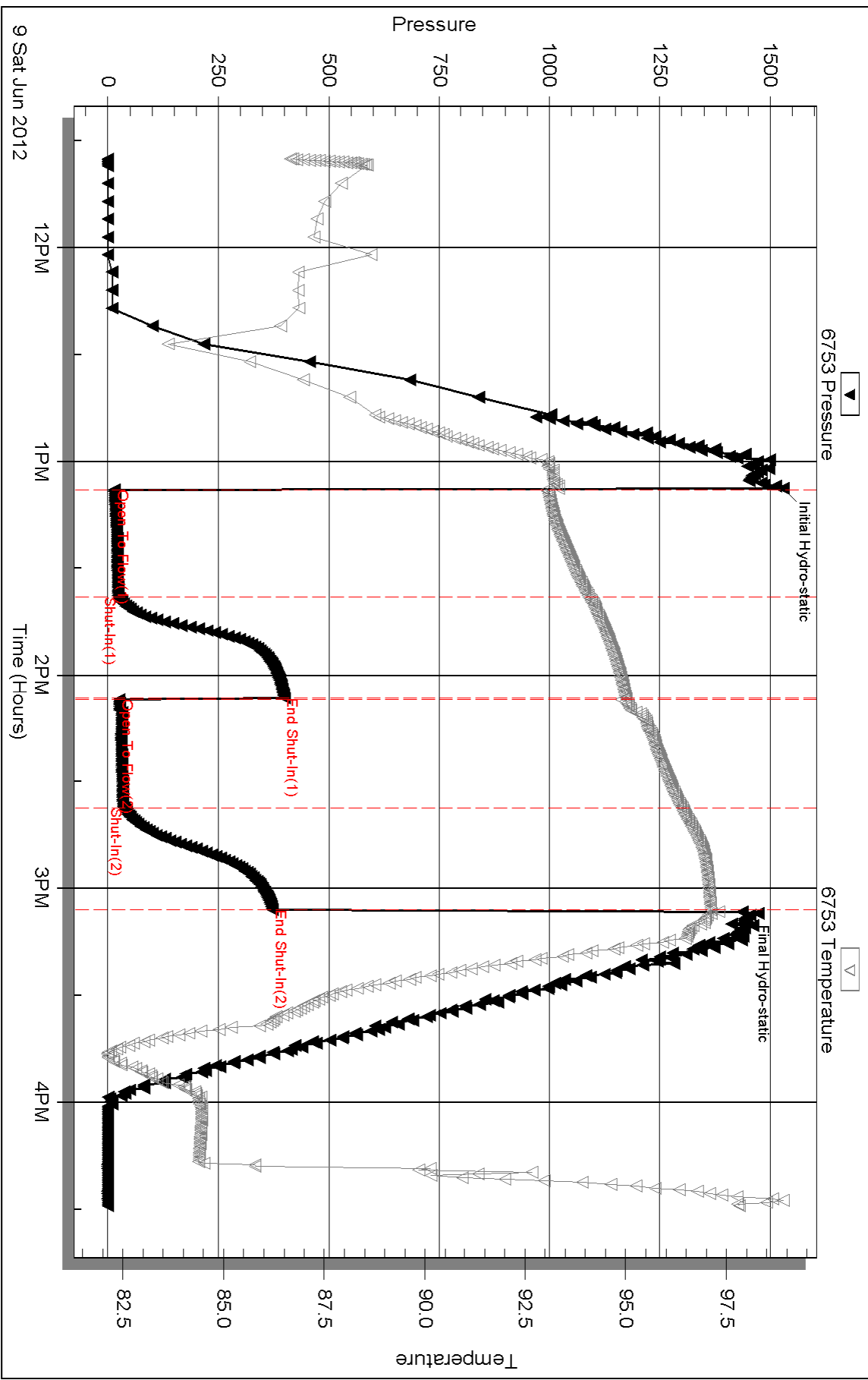
Serial #: 6753

Outside Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47124

Printed: 2012.06.11 @ 16:28:26

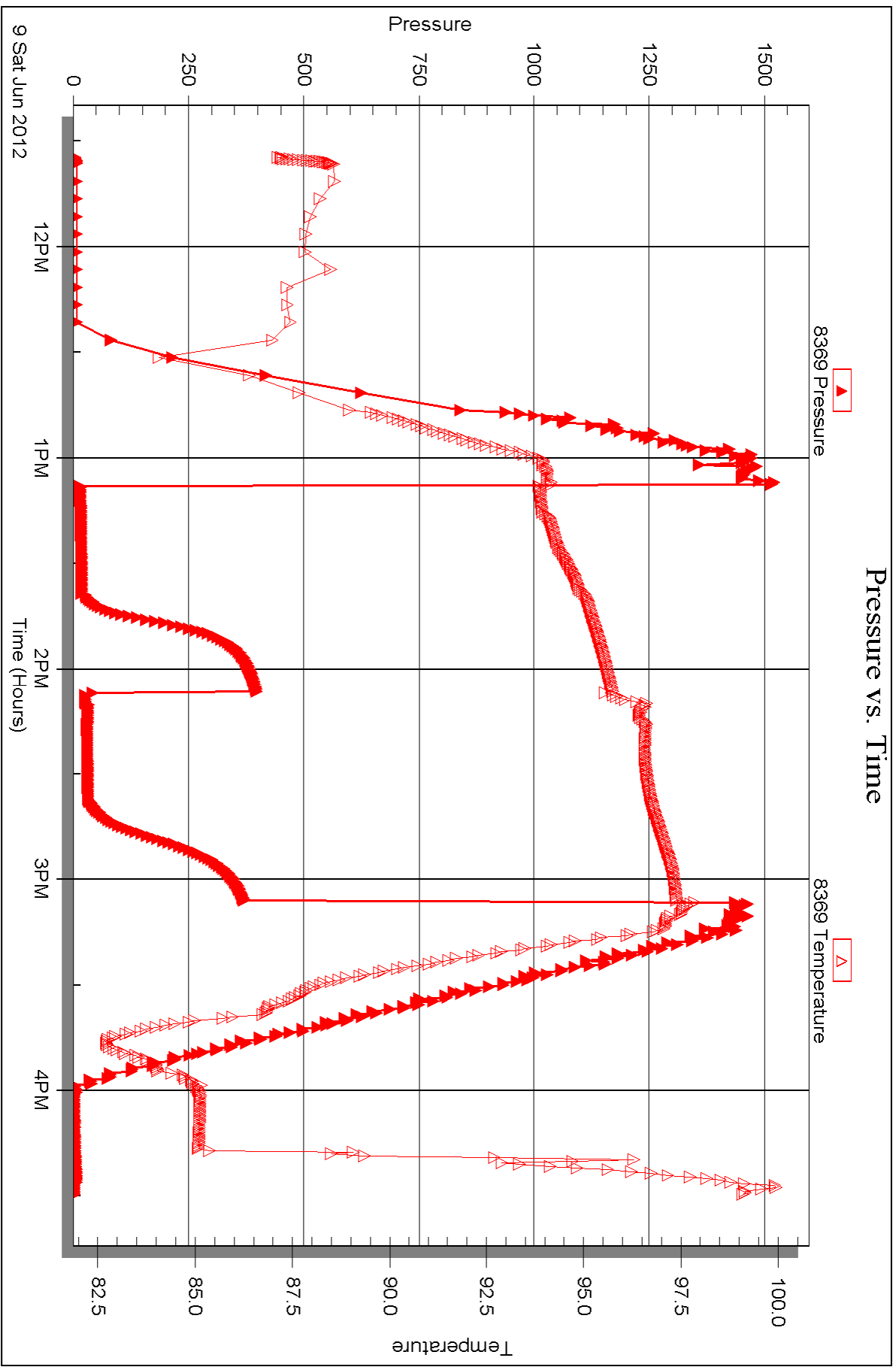
Serial #: 8369

Inside

Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 2





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

26-10s-15w Osborne, KS

529 E 14th Box 871
Russell KS 67665

Koelling-Angel #1

ATTN: Brad Hutchison

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 @ Run Depth: 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

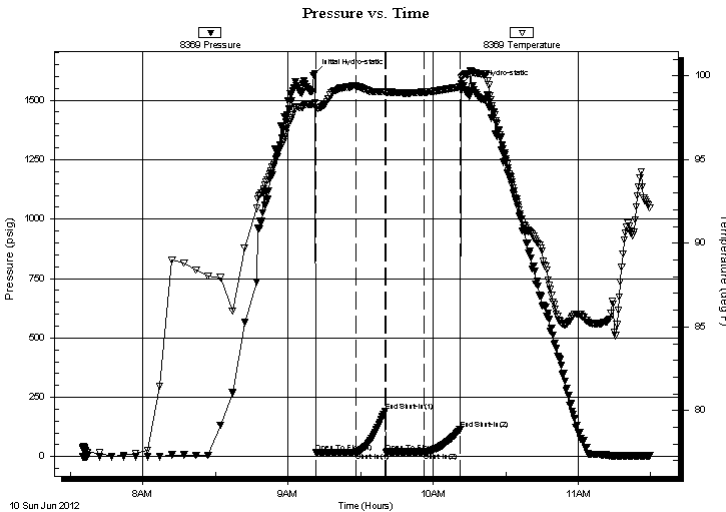
TEST COMMENT: 15-IFP- Good Surge No Blow

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

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

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

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:

bbbl

Water Loss: 7.79 in³

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:

Serial #: 8369

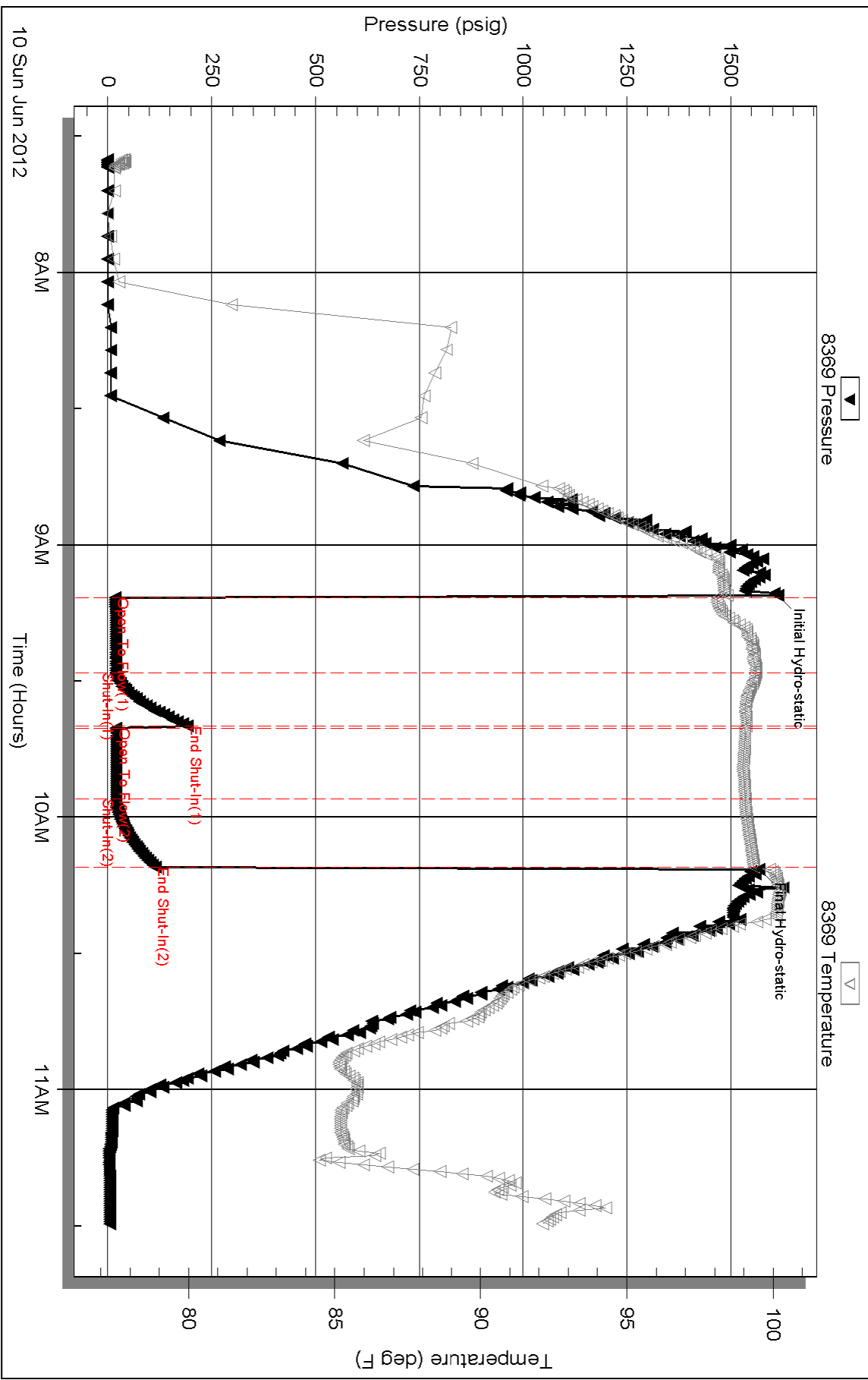
Inside

Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47125

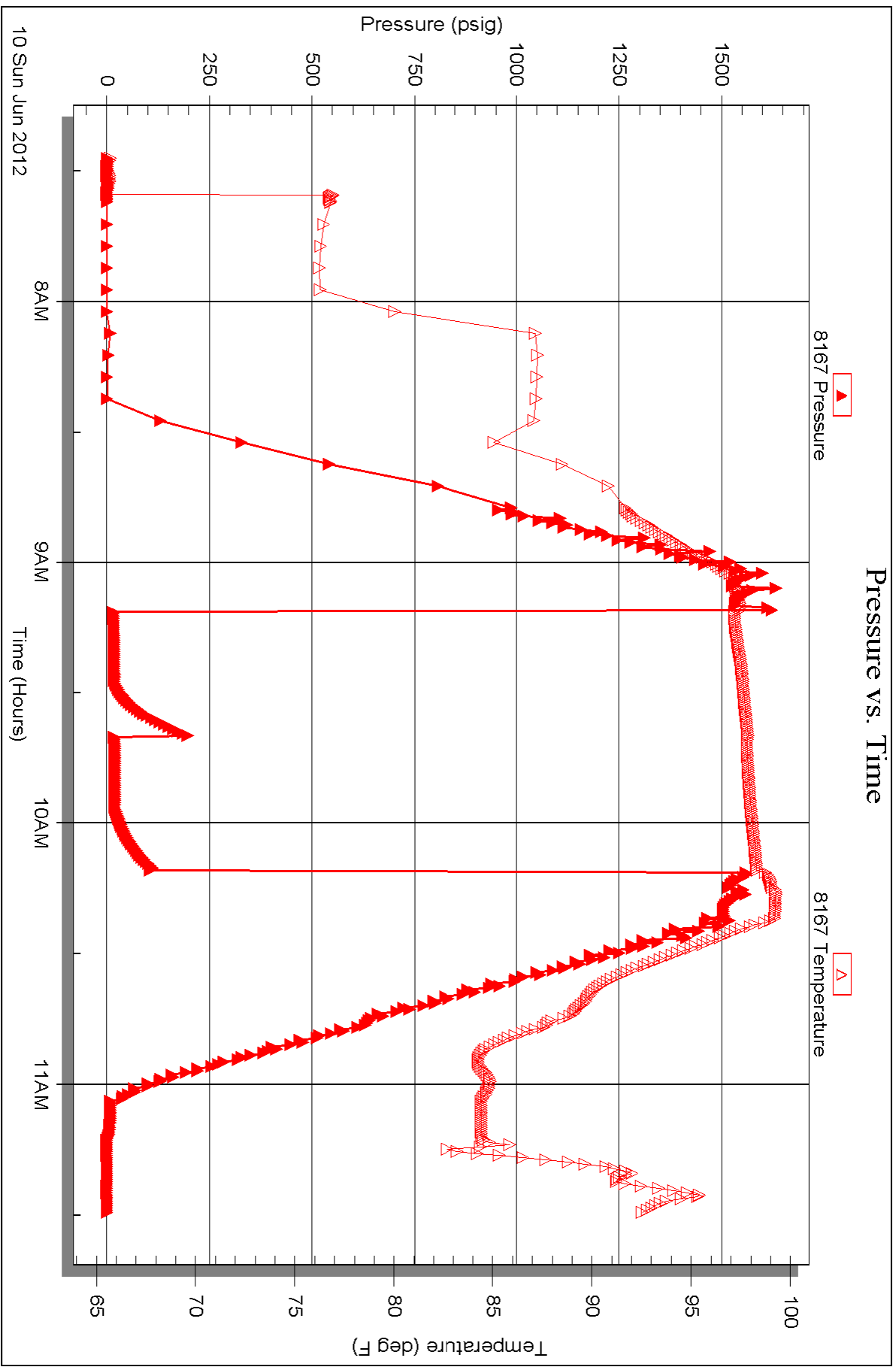
Printed: 2012.06.11 @ 16:27:41

Serial #: 8167

Outside Brungardt Oil Leasing Inc

Koelling-Angel #1

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47123

4/10

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 Died 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 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 Comments _____
 (G) Final Shut-In 41 Sampler _____
 (H) Final Hydrostatic 1449 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1295.70
 Accessibility _____ MP/DST Disc't 785
 Sub Total 1295.70 639
5864

Approved By _____ Our Representative [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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47124

4/10

Well Name & No. Koelling - Angel #1 Test No. 2 Date 6-9-12
 Company Brungard 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 K5

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 14 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 Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1295.70
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1295.70

Approved By _____ Our Representative [Signature] 639 5864
 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47125

4/10

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 67662
 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 65
 Bottom Packer Depth 3135 Wt. Pipe Run 468 WL 7.8
 Total Depth 3200 Chlorides 3800 ppm System LCM N/I

Blow Description IFP - Good Surge No Blow
FSIP - No Blow
FFP - No Blow
FSIP - No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|--------|------|
| <u>2</u> | <u>MUD</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 Ruined Shale Packer _____
 Shale Packer Ruined Packer _____
 Extra Packer Extra Copies _____
 Extra Recorder Sub Total 0
 Day Standby Total 1295.70
 Accessibility MP/DST Disc't _____
 Sub Total 1295.70

Approved By _____ Our Representative 

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