



KANSAS CORPORATION COMMISSION 1059991
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 # _____

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: _____



1059991

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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

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

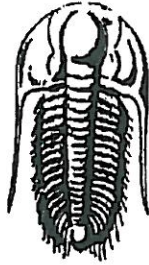
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	RyHolland Felder, Inc.
Well Name	Retke RFI #1
Doc ID	1059991

All Electric Logs Run

RyHolland Redke RFI #1 DIL
RyHolland Redke RFI #1 MEL
RyHolland Redke RFI #1 POR
RyHolland Retke RFI #1



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.06 @ 08:50:00

End Date: 2010.11.06 @ 16:52:00

Job Ticket #: 040104 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

RY Holland Felder Inc.

Relke RFI # 1

16-1-24 Norton,KS

DST # 1

LKC-A

2010.11.06

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

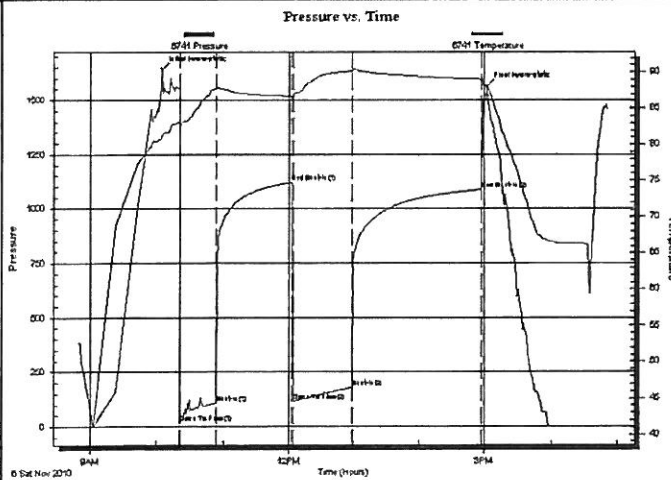
Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040104 DST#: 1
Test Start: 2010.11.06 @ 08:50:00

GENERAL INFORMATION:

Formation: LKC-A
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:21:00
Time Test Ended: 16:52:00
Interval: 3266.00 ft (KB) To 3320.00 ft (KB) (TVD)
Total Depth: 3320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 2398.00 ft (KB)
2394.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 6741 Inside
Press@RunDepth: 179.71 psig @ 3270.50 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.11.06 End Date: 2010.11.06 Last Calib.: 2010.11.06
Start Time: 08:50:01 End Time: 16:52:00 Time On Btm: 2010.11.06 @ 10:04:30
Time Off Btm: 2010.11.06 @ 15:02:30

TEST COMMENT: IF: Weak blow , Built to 1 in.
IS: No blow back,
FF: Weak blow , Built to 1 in.
FS: No blow back,



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.13	81.16	Initial Hydro-static
17	17.96	82.66	Open To Flow (1)
49	106.51	87.72	Shut-In(1)
118	1120.09	86.73	End Shut-In(1)
120	114.02	86.82	Open To Flow (2)
174	179.71	90.19	Shut-In(2)
293	1087.13	89.05	End Shut-In(2)
298	1565.44	87.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	MW 90%W 10%M	2.42
62.00	MW 60%W 40%M	0.91

Gas Rates

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

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

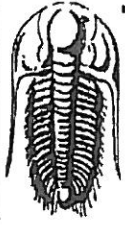
Relke RFI # 1
16-1-24 Norton, KS
Job Ticket: 040104 **DST#: 1**
Test Start: 2010.11.06 @ 08:50:00

Tool Information

Drill Pipe:	Length: 3130.00 ft	Diameter: 3.88 inches	Volume: 45.77 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 46.38 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3266.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3243.00	
Hydraulic tool	5.00			3248.00	
Jars	5.00			3253.00	
Safety Joint	3.00			3256.00	
Packer	5.00			3261.00	28.00 Bottom Of Top Packer
Packer	5.00			3266.00	
Stubb	1.00			3267.00	
Perforations	3.00			3270.00	
Change Over Sub	0.50			3270.50	
Recorder	0.00	6752	Inside	3270.50	
Recorder	0.00	6741	Inside	3270.50	
Blank Spacing	31.00			3301.50	
Change Over Sub	0.50			3302.00	
Perforations	15.00			3317.00	
Bullnose	3.00			3320.00	54.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040104 DST#: 1
Test Start: 2010.11.06 @ 08:50:00

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: 72.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

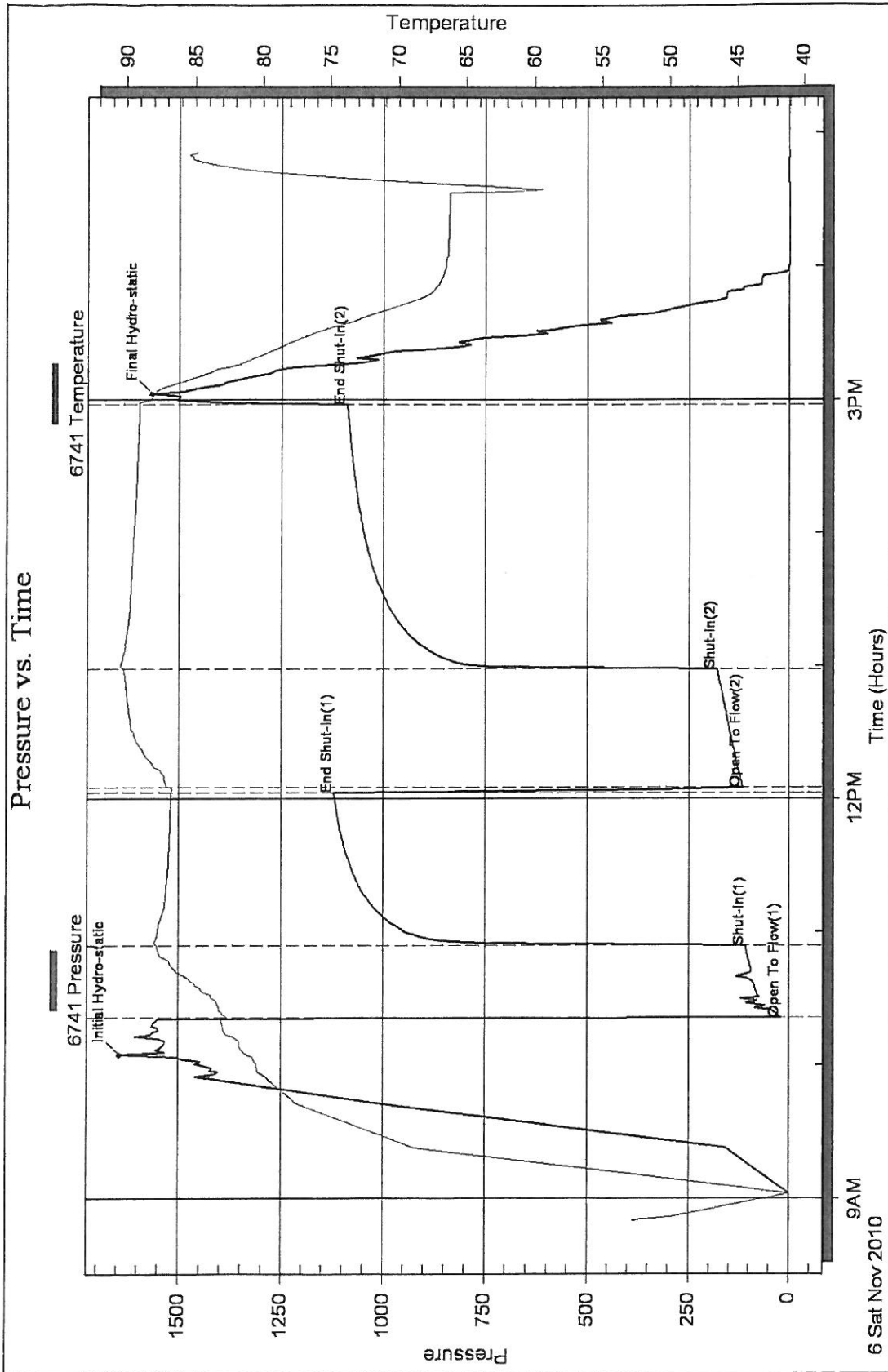
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	MW 90%W 10%M	2.423
62.00	MW 60%W 40%M	0.907

Total Length: 310.00 ft Total Volume: 3.330 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.07 @ 04:30:00

End Date: 2010.11.07 @ 10:39:00

Job Ticket #: 040105 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040105 **DST#: 2**
Test Start: 2010.11.07 @ 04:30:00

GENERAL INFORMATION:

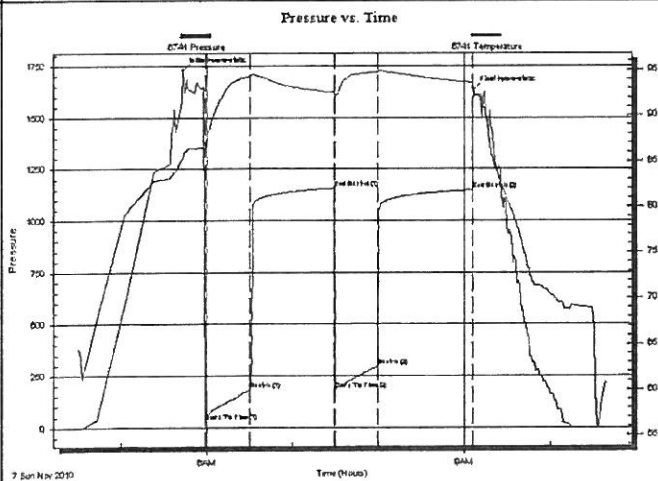
Formation: **LKC-H**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:59:00
Time Test Ended: 10:39:00
Interval: **3390.00 ft (KB) To 3424.00 ft (KB) (TVD)**
Total Depth: **3424.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreutzer Jr.**
Unit No: **36**
Reference Elevations: **2398.00 ft (KB)**
2394.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **294.63 psig @ 3391.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.11.07** End Date: **2010.11.07** Last Calib.: **2010.11.07**
Start Time: **04:30:01** End Time: **10:39:00** Time On Btm: **2010.11.07 @ 05:43:30**
Time Off Btm: **2010.11.07 @ 09:06:30**

TEST COMMENT: IF: Fair blow, B.O.B in 17 mins.
IS: No blow back
FF: Fair blow, B.O.B in 11 mins.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.02	85.29	Initial Hydro-static
16	32.98	86.21	Open To Flow (1)
47	182.80	94.29	Shut-In(1)
106	1155.96	92.56	End Shut-In(1)
106	185.30	92.00	Open To Flow (2)
136	294.63	94.70	Shut-In(2)
202	1147.99	93.61	End Shut-In(2)
203	1634.84	92.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	mcw 5%M 95%W	7.86
1.00	mcw w / oil specks	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040105 **DST#: 2**
Test Start: 2010.11.07 @ 04:30:00

Tool Information

Drill Pipe:	Length: 3258.00 ft	Diameter: 3.88 inches	Volume: 47.65 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight sel on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 48.26 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3390.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3367.00	
Hydraulic tool	5.00			3372.00	
Jars	5.00			3377.00	
Safety Joint	3.00			3380.00	
Packer	5.00			3385.00	28.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Recorder	0.00	6752	Inside	3391.00	
Recorder	0.00	6741	Inside	3391.00	
Perforations	30.00			3421.00	
Bullnose	3.00			3424.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040105

DST#: 2

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 04:30:00

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
620.00	mcw 5%M 95%W	7.863
1.00	mcw w/ oil specks	0.015

Total Length: 621.00 ft Total Volume: 7.878 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

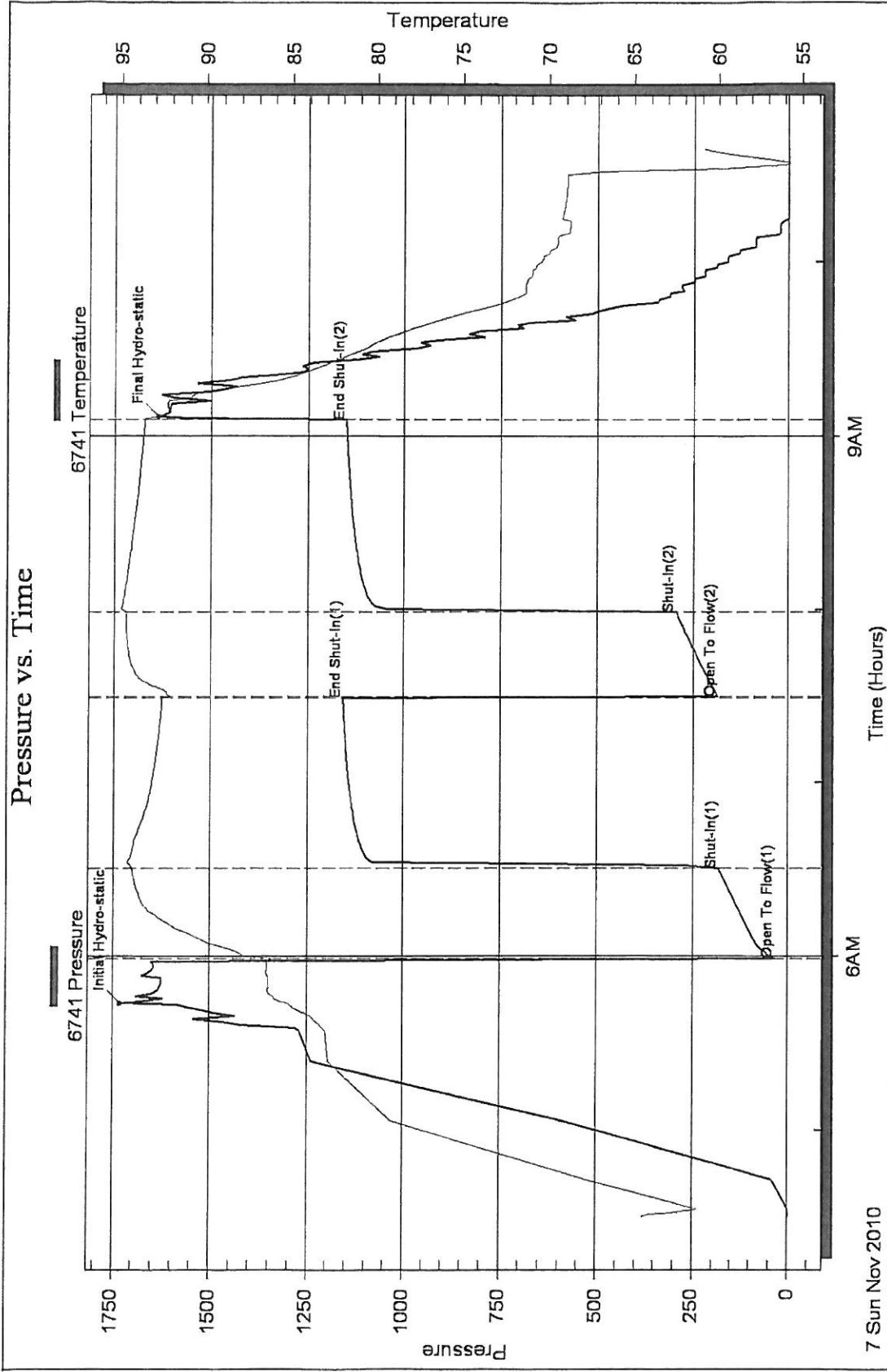
Serial #: 6741

Inside

RY Holland Felder Inc.

16-1-24 Norton, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **RY Holland Felder Inc.**

1612 Westgate Cr. Ste. 120
Brentwood, TN 37027

ATTN: Clayton Erickson

16-1-24 Norton,KS

Relke RFI # 1

Start Date: 2010.11.07 @ 19:15:00

End Date: 2010.11.08 @ 02:22:30

Job Ticket #: 040106 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

RY Holland Felder Inc.
1612 Westgate Cr. Ste.120
Brentwood, TN 37027
ATTN: Clayton Erickson

Relke RFI # 1
16-1-24 Norton,KS
Job Ticket: 040106 DST#: 3
Test Start: 2010.11.07 @ 19:15:00

GENERAL INFORMATION:

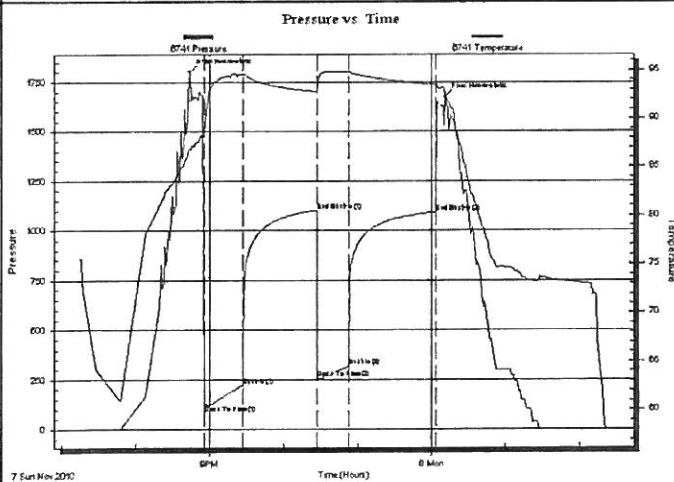
Formation: **LKC-J,K**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **20:55:30**
Time Test Ended: **02:22:30**
Interval: **3424.00 ft (KB) To 3486.00 ft (KB) (TVD)**
Total Depth: **3486.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreuzer Jr.**
Unit No: **36**
Reference Elevations: **2398.00 ft (KB)**
2394.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **316.72 psig @ 3425.50 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.11.07** End Date: **2010.11.08** Last Calib.: **2010.11.08**
Start Time: **19:15:01** End Time: **02:22:30** Time On Btm: **2010.11.07 @ 20:43:30**
Time Off Btm: **2010.11.08 @ 00:11:30**

TEST COMMENT: IF: Strong blow, B.O.B in 8 mins.
IS: No blow back over 60 mins.
FF: Weak blow, B.O.B in 25 mins.
FS: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.07	86.82	Initial Hydro-static
12	78.88	88.23	Open To Flow (1)
44	220.38	94.48	Shut-In(1)
104	1101.95	92.76	End Shut-In(1)
104	256.63	92.79	Open To Flow (2)
129	316.72	94.74	Shut-In(2)
201	1092.39	93.48	End Shut-In(2)
208	1674.24	92.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	OCVM 10%O40%W50%M	1.56
248.00	OCVM 15%O25%W60%M	3.63
62.00	MCO 10%M90%O	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040106

DST#: 3

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 19:15:00

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.88 inches	Volume: 48.14 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 48.75 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3424.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	5.00			3411.00	
Safety Joint	3.00			3414.00	
Packer	5.00			3419.00	28.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Stubb	1.00			3425.00	
Change Over Sub	0.50			3425.50	
Recorder	0.00	6752	Inside	3425.50	
Recorder	0.00	6741	Inside	3425.50	
Blank Spacing	32.00			3457.50	
Change Over Sub	0.50			3458.00	
Perforations	25.00			3483.00	
Bullnose	3.00			3486.00	62.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RY Holland Felder Inc.

Relke RFI # 1

1612 Westgate Cr. Ste.120
Brentwood, TN 37027

16-1-24 Norton,KS

Job Ticket: 040106

DST#: 3

ATTN: Clayton Erickson

Test Start: 2010.11.07 @ 19:15:00

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	OCWM 10%O40%W50%M	1.560
248.00	OCWM15%O25%W60%M	3.627
62.00	MCO 10%M90%O	0.907

Total Length: 499.00 ft

Total Volume: 6.094 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

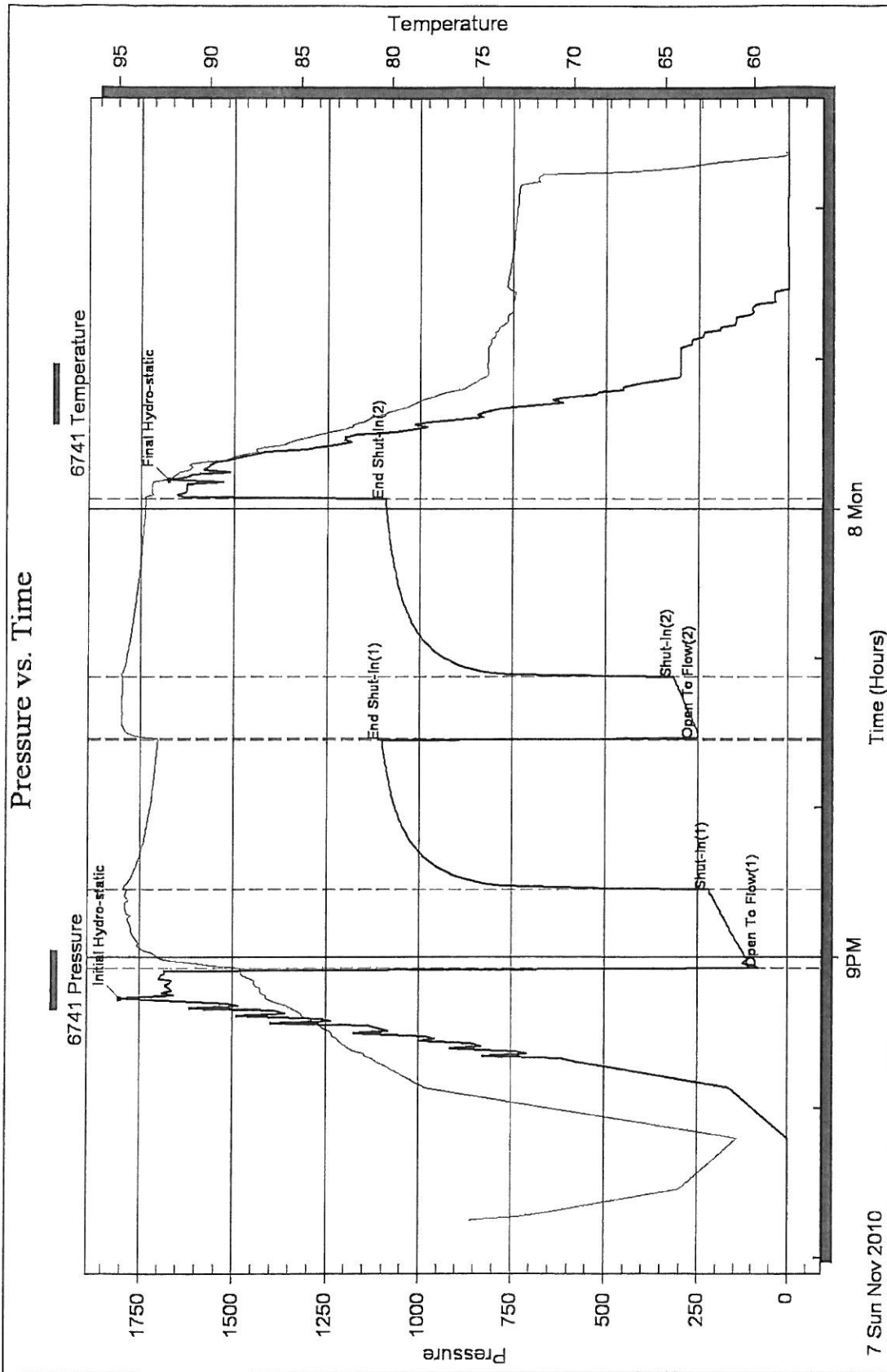
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
NOV 15 2010
BY: _____

Test Ticket

NO. 040104

Well Name & No. RetRe RFF#1 Test No. 1 Date 10-06-10
 Company Ry Holland Felder Inc Elevation 2398 KB 2394 GL
 Address 1612 Westgate Cr, Ste 120 Brentwood TN 37027
 Co. Rep / Geo. Clayton Erickson Rig ww#10
 Location: Sec. 16 Twp. 1 Rge. 24W Co. Notson State KS

Interval Tested 3266 3320 Zone Tested LKC-A
 Anchor Length 54 Drill Pipe Run 3130 Mud Wt. 8.6
 Top Packer Depth 3261 Drill Collars Run 124 Vis 72
 Bottom Packer Depth 3266 Wt. Pipe Run -0- WL 5.6
 Total Depth 3320 Chlorides 800 ppm System LCM 1#

Blow Description IF: Weak blow, built to lin. over 30 mins. ~~ended down~~
FST: No blow back over 60 mins.
FF: weak blow, built to lin over 60 mins.
FST: No blow back, over 120 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>82</u>	<u>mcw</u>			<u>60</u>	<u>40</u>
<u>248</u>	<u>mcw</u>			<u>90</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 310 BHT 89.05 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1642</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>8:20</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:50</u>
(C) First Final Flow <u>107</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:21</u>
(D) Initial Shut-In <u>1120</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>14:45</u>
(E) Second Initial Flow <u>114</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>16:52</u>
(F) Second Final Flow <u>180</u>	<input checked="" type="checkbox"/> Mileage <u>40x2=80x1.25=100</u>	Comments _____
(G) Final Shut-In <u>1087</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1565</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby _____	Total <u>1550</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By _____ Our Representative Chw Ryz

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, 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

RECEIVED
NOV 15 2010

Test Ticket

NO. 040105

Well Name & No. Rethke R 2341 Test No. 2 Date 11-7-10
 Company Rethke Holland Felder Inc. Elevation 2390 KB 2302 GL
 Address 1612 Westgate Cir, 120 Brentwood TN 37027
 Co. Rep / Geo. Clayton Erickson Rig WW#10
 Location: Sec. 16 Twp. 1 Rge. 24W Co. Norton State Ks.

Interval Tested 3390 3424 Zone Tested LKC-H
 Anchor Length 34 Drill Pipe Run 3258 Mud Wt. 8.6
 Top Packer Depth 3385 Drill Collars Run 124 Vis 7.2
 Bottom Packer Depth 3390 Wt. Pipe Run - 0 - WL 5.6
 Total Depth 3424 Chlorides 800 ppm System LCM 1#

Blow Description FF: Fair blow, B.O.B in 17 mins

FST: No blow back over 60
FE: Fair Blow, B.O.B in 11 mins
FST: No blow back over 60 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>new</u>			<u>95</u>	<u>5</u>
<u>1</u>	<u>new with 1 spec</u>				

Rec Total	BHT	Gravity	API RW	@	F	Chlorides	ppm
<u>620</u>	<u>93.61</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>				
(A) Initial Hydrostatic	<u>1729</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>				
(B) First Initial Flow	<u>33</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>				
(C) First Final Flow	<u>183</u>	<input type="checkbox"/> Circ Sub					
(D) Initial Shut-In	<u>1156</u>	<input type="checkbox"/> Hourly Standby					
(E) Second Initial Flow	<u>185</u>	<input checked="" type="checkbox"/> Mileage <u>40.2 = 80 * 1.25 = 100</u>					
(F) Second Final Flow	<u>225</u>	<input type="checkbox"/> Sampler					
(G) Final Shut-In	<u>1148</u>	<input type="checkbox"/> Straddle					
(H) Final Hydrostatic	<u>1635</u>	<input type="checkbox"/> Shale Packer					

Initial Open	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Recorder		<input type="checkbox"/> Ruined Packer	
Final Flow	<u>30</u>	<input type="checkbox"/> Day Standby		<input type="checkbox"/> Extra Copies	
Final Shut-In	<u>60</u>	<input type="checkbox"/> Accessibility		Sub Total	<u>0</u>
		Sub Total	<u>1650</u>	Total	<u>1650</u>
				MP/DST Disc't	

Approved By _____ Our Representative Clayton Erickson
 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, 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

RECEIVED
NOV 15 2010
BY: _____

Test Ticket

NO. 040106

Well Name & No. Ret Ke R#1 Test No. 3 Date 10-7-10
 Company R Y Holland Felder Inc. Elevation 2342 KB 2389 GL
 Address 1612 Westgate Cr, 120 Brentwood Fm. 37007
 Co. Rep / Geo. Clayton Erickson Rig WV#10
 Location: Sec. 16 Twp. 1 Rge. 24 W Co. Warton State KS

Interval Tested 3424 3486 Zone Tested CKC-F,K
 Anchor Length 62 Drill Pipe Run 3292 Mud Wt. 8.6
 Top Packer Depth 3419 Drill Collars Run 124 Vis 7.2
 Bottom Packer Depth 3424 Wt. Pipe Run 0 WL 5.6
 Total Depth 3486 Chlorides 800 ppm System LCM 1#

Blow Description FF: Stay Blow, B.O.B in 8 mins.
ISI: No blow back over 60 mins
FF: Wax blow, B.O.B in 25 mins
FSI: No blow back over 60 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>ALCO</u>	<u>90</u>	<u>10</u>	<u>0</u>	<u>0</u>
<u>248</u>	<u>WACO OCNM</u>	<u>15</u>	<u>25</u>	<u>60</u>	<u>0</u>
<u>189</u>	<u>WACO OCNM</u>	<u>10</u>	<u>40</u>	<u>50</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 499 BHT 92.76 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>180.2</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>18:35</u>
(B) First Initial Flow <u>79</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:15</u>
(C) First Final Flow <u>220</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:55</u>
(D) Initial Shut-In <u>110.2</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:53</u>
(E) Second Initial Flow <u>257</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:22</u>
(F) Second Final Flow <u>317</u>	<input checked="" type="checkbox"/> Mileage <u>WACO = 80 x 1.25 = 100</u>	Comments _____
(G) Final Shut-In <u>109.2</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>167.4</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>70</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1550</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1550</u>	

Approved By _____ Our Representative [Signature]

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Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: RETKE #1
 Location: C E/2 SE NE Sec: 16 T1S R24W
 License Number:
 Spud Date: 11/3/2010
 Surface Coordinates: Sec 16, T1S, R24W
 2000' FNL 370' FEL
 Bottom Hole Coordinates:
 Ground Elevation (ft): 2387
 Logged Interval (ft): 3100 To: TD
 Formation:
 Type of Drilling Fluid: Chemical Mud
 Region: Norton County, KS
 Drilling Completed: 11/8/2010
 K.B. Elevation (ft): 2392
 Total Depth (ft): 3620
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: RyHolland Fielder
 Address: 1612 Westgate Plaza
 Brentwood, TN 37027

GEOLOGIST

Name: Clayton Erickson
 Company: Erickson Wellsite Geology
 Address: 402 Palmer Street
 P.O. Box 294
 Loomis, NE 68958

COMMENTS

Based upon careful examination of rock samples, DST results and e-logs, it is my opinion that production casing could be run.

In my opinion the "K"-zone could be produced from 3464-3466. I don not recommend shooting more than the top two feet due to the amount of water recovered with DST #3. I would recommend 4 shots per foot.

If it becomes uneconomical I would shoot the "J"-zone from 3446-3450 with 4 shots per foot. This zone may need to be acidized.

DSTs

DST #1 3266-3320 30-60-60-120; Hydro: 1642-1565; IFF: 18-107; ISIP: 1120; FFP: 114-180; FSIP: 1087; Rec: 62' mcw, 60%w, 40%w; 248' mcw, 90%w, 10%w; BHT: 89.05; IF: 1"; ISI: dead; FF: 1"; FSI: dead
 DST #2 3390-3424 30-60-30-60; Hydro: 1729-1635; IFF: 33-183; ISIP: 1156; FFP: 185-295; FSIP: 1148; Rec: 620' mcw, 95%w, 5%w; 1' mcw w/oil specs; BHT: 93.61; IF: BOB 17min; ISI: dead; FF: BOB 11min; FSI: dead
 DST #3 3424-3486 30-60-30-60; Hydro: 1802-1674; IFF: 79-220; ISIP: 1102; FFP: 257-317; FSIP: 1092; Rec: 62' mco, 90%o, 10%w; 248' ocwm, 15%o, 25%w, 60%w; 189' ocwm, 10%o, 40%w, 50%w; BHT: 92.76; IF: BOB 8min; ISI: dead; FF: BOB 25min; FSI: dead

FORMATION TOPS

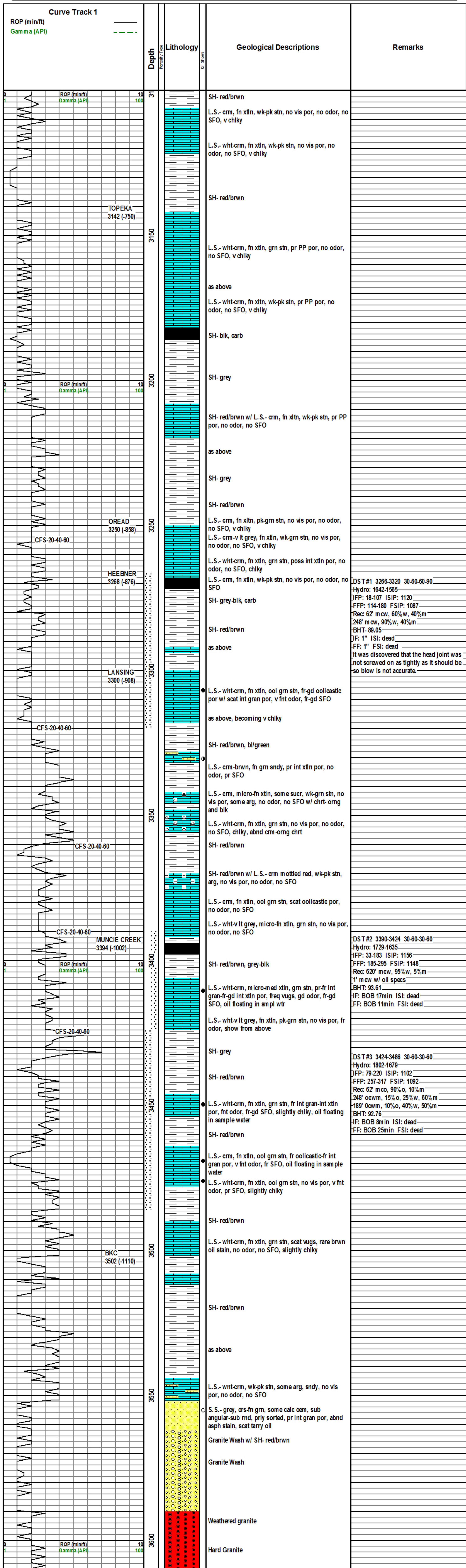
Log Tops	Sample tops
ANHYDRITE	1904 (+488)
BAES ANHY.	1929 (+463)
TOPEKA	3142 (-750)
OREAD	3250 (-858)
HEEBNER	3268 (-876)
LANSING	3300 (-908)
MUNCIE CREEK	3390 (-1002)
BKC	3502 (-1110)
BASAL PENN SAND	3552 (-1160)
GRANITE WASH	3562 (-1170)
WEATHERED GRANITE	3590 (-1198)
GRANITE	3602 (-1210)
TD	3620 (-1228)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	Igne	Salt	Slstst
Brec	Arkose	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Ques		Dst





CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 29922

LOCATION Oakley KS

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-3-10		Retke RFI #2	16	1	24 W	Norton

CUSTOMER
R Y Holland Felder Inc.

MAILING ADDRESS
1612 Westgate CR Ste 120

CITY
Blountwood

STATE
TN

ZIP CODE
37027

Safety meetings 3/15

TRUCK #	DRIVER	TRUCK #	DRIVER
463	John Sanchez		
460	Miles Shaw		

JOB TYPE Surface **HOLE SIZE** 12 1/4" **HOLE DEPTH** 219' **CASING SIZE & WEIGHT** 8 5/8"

CASING DEPTH 218' **DRILL PIPE** **TUBING** **OTHER**

SLURRY WEIGHT 15# **SLURRY VOL** 36 Bbl **WATER gal/sk** 6.5 **CEMENT LEFT in CASING** 20'

DISPLACEMENT 12.6 Bbl **DISPLACEMENT PSI** **MIX PSI** **RATE**

REMARKS: Safety meetings Rig up to 8 5/8" casing. Break circulation w/ 5 Bbl fresh water. Mixed 150 sacks class A cement w/ 370 cccl2 + 270 gal @ 15#/gal. Displace w/ 12.6 Bbl fresh water. Shut casing in w/ good cement. returns to surface = 6 Bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	985.00	985.00
5406	75	MILEAGE	4.50	337.50
11045	150 sacks	class A cement	16.00	2400.00
1102	423#	370 cccl2	.88	372.24
11188	272#	270 gal	.20	56.40
5407A	7.05	ten mileney bulk tri	1.50	793.13
			Subtotal	4944.27
			- 1578.64	- 741.64
			ESTIMATED TOTAL	4202.63

Revin 3737

AUTHORIZATION [Signature] TITLE _____ DATE 11-3-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 28655
LOCATION Oakley, KS
FOREMAN Pat Heister

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-9-10		Retke RE1-#1	16	13	24 ^W	Norton

CUSTOMER
RY Holland, Felder, Inc

MAILING ADDRESS
1612 Westgate CR, Ste 120

CITY Brentwood STATE TN ZIP CODE 37027

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Pat H		
466-T227	Miles S		
	Allen B		

JOB TYPE Production - O HOLE SIZE 7 7/8 HOLE DEPTH 3620' CASING SIZE & WEIGHT 5 1/2 15.5#

CASING DEPTH 3619' DRILL PIPE _____ TUBING _____ OTHER DVD 1920'

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 18.9

DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, run float equipment, ris up to casing, circ
1 hr on bottom, Pump 500 gal mud flush, then mix 140 sks OWC, 10% salt
clear pump + lines, release plug + displace 40 BBL H₂O followed w/ 48 BBL
mud @ 700#, land plug @ 1100#, release pressure, float held,
Drop opening tool, open DV Tool, circ. 1hr
Pat 25 sks in R.H.
mixed 375 sks 69/40oz, 8% salt, 1/4# Flo Seal, released
plug + displaced 36 3/4 BBL H₂O @ 850#, land plug @ 2000#
released, held

Thank You
Pat + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	2730 ⁰⁰	2730 ⁰⁰
5406	7.5	MILEAGE	450	337 ⁵⁰
426	140 sks	OWC	20 ⁵⁵	2849 ⁰⁰
1131	400 - sks	69/40oz	13 ⁰⁰	5200 ⁰⁰
111	6988 #	salt	140	275 ²⁰
1118B	2.752	Bentonite	20	550 ⁴⁰
1107	100 #	Flo Seal	2.50	250 ⁰⁰
	500 gal	Mud Flush	1.00	500 ⁰⁰
5407A	23.78	Ton Mixture Delivery	150	2,675 ²⁵
4158	1	AFU float show	341 ⁰⁰	341 ⁰⁰
4297	1	hatch down w DV Tool	3670 ⁰⁰	3670 ⁰⁰
4130	8	centralizers	56 ⁰⁰	448 ⁰⁰
4104	2	Baskets	263 ⁰⁰	526 ⁰⁰
				20,352 ³⁵
		Less 20%		-4070 ⁴⁷
				16,281 ⁸⁸
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZATION TERRY GARRISON TITLE Consultant

DATE _____

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Measured Depth Log

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 Location: C E/2 SE NE Sec: 16 T1S R24W
 License Number:
 Spud Date: 11/3/2010
 Surface Coordinates: Sec 16, T1S, R24W
 2000' FNL 370' FEL
 Bottom Hole Coordinates:
 Ground Elevation (ft): 2387
 Logged Interval (ft): 3100 To: TD
 Formation:
 Type of Drilling Fluid: Chemical Mud
 Region: Norton County, KS
 Drilling Completed: 11/8/2010
 K.B. Elevation (ft): 2392
 Total Depth (ft): 3620
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: RyHolland Fielder
 Address: 1612 Westgate Plaza
 Brentwood, TN 37027

GEOLOGIST

Name: Clayton Erickson
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DSTs

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 DST #3 3424-3486 30-60-30-60; Hydro: 1802-1674; IFF: 79-220; ISIP: 1102; FFP: 257-317; FSIP: 1092; Rec: 62' mco, 90%o, 10%w; 248' ocwm, 15%o, 25%w, 60%w; 189' ocwm, 10%o, 40%w, 50%w; BHT: 92.76; IF: BOB 8min; IS: dead; FF: BOB 25min; FSI: dead

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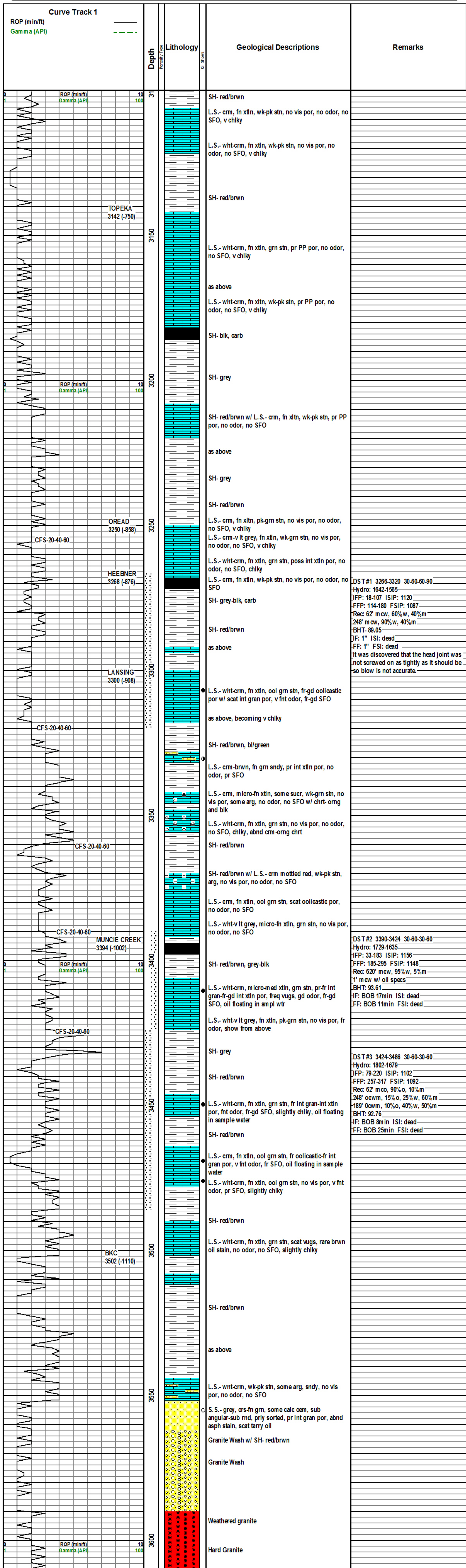
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BAES ANHY.	1929 (+463)
TOPEKA	3142 (-750)
OREAD	3250 (-858)
HEEBNER	3268 (-876)
LANSING	3300 (-908)
MUNCIE CREEK	3390 (-1002)
BKC	3502 (-1110)
BASAL PENN SAND	3552 (-1160)
GRANITE WASH	3562 (-1170)
WEATHERED GRANITE	3590 (-1198)
GRANITE	3602 (-1210)
TD	3620 (-1228)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	Igne	Salt	Slstst
Brc	Arkose	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Ques		Dst



API # 15-137-20534-00-00

Operator: RyHolland Felder, Inc. Well Name & No: Relke RFI #1
 Location: 2000 FNL & 370 FEL, Section 16-1s-24w County: Norton State: Kansas
 Rig No.: 10 Contractor: WW Drilling, LLC Tool Pusher: Marty Mills 785-731-6251
 Drill Collars: 14 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-4570
 Make Pump: National K-380 Liner & Stroke: 6 x 14 Spud 11/03/2010 @ 2:00 pm
 Approx. TD: 3750 Elevation: 2387 K.B. 2392 KB Hole Complete: _____
 Mud Co.: Morgan Mud Mud Engineer: Dave Lines Water Pond _____

Date	11/03/10	11/04/10	11/05/10	11/06/10	11/07/10	11/08/10	11/09/10	11/10/10		
Days	1-spud	2-drlg	3-drlg	4-drlg	5-dst#2	6-cfs	7-circ.casing	8-done		
Depth		400	2720	3320	3424	3510	3620	3620		
Ft. Cut		400	2320	600	104	86	110			
D.T.				1/2 belt guard						
D.T.		8-woc								
C.T.					19.25	18.75	19.75	3		
Bit Wt.	12,000	20,000	35,000	35,000	35,000	35,000				
RPM	110	90	80	80	80	80				
Pressure	600	650	850	900	900	850				
SPM	58	58	58	58	58	58				
Mud Cost			3185	8814	8824	8824	9146			
Mud Wt.		8.7	9.6	8.8	8.8	9				
Viscosity		28	30	65	56	67				
Water Loss				5.6	6.4	6.4				
Chlorides				800	800	800				
L.C.M.				1#	1#	1#				
Dev. Sur										
Dev. Sur		1'-219'			2'@3320					
Fuel	2754	2620	2320	1893	2854	2680	2500	2480		
Water-Pit	4'	2.5'	1'	Full	3/4.	3'	2'			
ACC Bit Hrs.		1.5	23.75	39.75	42.5	48	52.25			
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm				
Weather	clear	clear	clear	clear	clear	clear	clear			

No.	Size	Type	Out	Fl.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	219	219	2.5	2.5	RR	C14782	
2	7 7/8	Sm - F-27	3620	3401	52.25	54.75	New	PS 2958	66.11' per hr.
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
218	8 5/8	150	Common, 3% cc, 2% gel	9:30 PM	5:30 AM	Consolidated Cem-did circulate
3619	5 1/2	140	owc			Consolidated Cem-did circulate
		400	DV-Tool @ 1920'			

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3266-3320	30	60	60	90	300' Water
2	3390-3424	30	60	30	60	620' water w/ os
3	3424-3486	30	60	30	60	437' ocwm, 62' mco
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwestern Pipeworks:5 joints 8 5/8, 23 #, tally 211.26', set @ 218'

Remarks: Spud @ 2:00 pm, surface strapped & welded, Anhydrite 1904-1929, Displaced @ 3060' 640 bbls. Short Trip @ 3320 31 stds. 2.75 hrs. Pipe Strap Short 1.25'. RTD 3620, Logged By Superior 4:15pm-7:30pm LTD 3618 11/08/2010. Ran 86 jts of 5 1/2 set @ 3619' (DV Tool @ 1920') 11/09/2010. Plug down @ 8:00 am, 11/9/10, Rig released @ 10:00 am, 11/9/10.