



KANSAS CORPORATION COMMISSION 1060003
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: _____



1060003

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)* _____

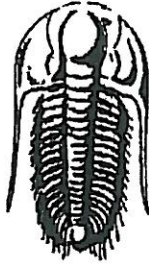
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	RyHolland Felder, Inc.
Well Name	Retke RFI #2
Doc ID	1060003

All Electric Logs Run

RYHOLLAND FIELDER_RFI RETKE #2_DIL_PDF
RYHOLLAND FIELDER_RFI RETKE #2_LAS
RYHOLLAND FIELDER_RFI RETKE #2_MEL_PDF
RYHOLLAND FIELDER_RFI RETKE #2_POR_PDF
RYHOLLAND FIELDER_RFI RETKE #2_SON_PDF



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **RyHolland Felder Inc**

1612 Westgate CR Ste 120
Brentwood TN 37027

ATTN: Ron Walblay

16-1-24-Norton,KS

Retke # 2

Start Date: 2010.11.19 @ 09:56:14

End Date: 2010.11.19 @ 15:53:29

Job Ticket #: 040963 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2010.12.01 @ 20:05:58 Page 1

RyHolland Felder Inc

Retke # 2

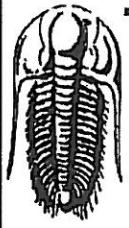
16-1-24-Norton,KS

DST # 1

G

LKC

2010.11.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040963

DST#: 1

ATTN: Ron Walblay

Test Start: 2010.11.19 @ 09:56:14

GENERAL INFORMATION:

Formation: **G LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:33:59

Time Test Ended: 15:53:29

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3275.00 ft (KB) To 3315.00 ft (KB) (TVD)**

Total Depth: **3315.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2322.00 ft (KB)**

2317.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8354**

Inside

Press@RunDepth: **118.43 psig @ 3278.00 ft (KB)**

Start Date: **2010.11.19**

End Date: **2010.11.19**

Capacity: **8000.00 psig**

Last Calib.: **2010.11.19**

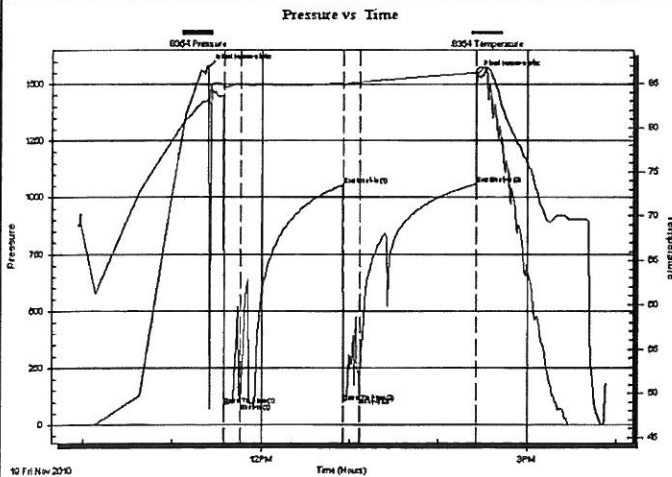
Start Time: **09:56:15**

End Time: **15:53:29**

Time On Btm: **2010.11.19 @ 11:23:29**

Time Off Btm: **2010.11.19 @ 14:26:14**

TEST COMMENT: IF-Slid tool 12' to bottom - lost 20' mud - 4 1/2" steady blow
FF-Weak steady blow Plugging



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1574.79	83.19	Initial Hydro-static
11	86.80	84.33	Open To Flow (1)
23	94.38	84.86	Shut-In(1)
92	1055.84	85.08	End Shut-In(1)
93	96.95	84.90	Open To Flow (2)
104	118.43	84.98	Shut-In(2)
182	1058.34	86.23	End Shut-In(2)
183	1545.98	86.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mdy Wtr	0.97

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040963

DST#: 1

ATTN: Ron Walblay

Test Start: 2010.11.19 @ 09:56:14

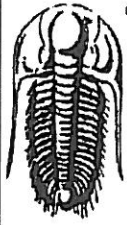
Tool Information

Drill Pipe:	Length: 3137.00 ft	Diameter: 3.80 inches	Volume: 44.00 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	44.61 bbl	Tool Chased 12.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3275.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			3248.00	
Shut In Tool	5.00			3253.00	
Hydraulic tool	5.00			3258.00	
Jars	5.00			3263.00	
Safety Joint	3.00			3266.00	
Packer	5.00			3271.00	28.00 Bottom Of Top Packer
Packer	4.00			3275.00	
Stubb	1.00			3276.00	
Perforations	1.00			3277.00	
Change Over Sub	1.00			3278.00	
Recorder	0.00	8354	Inside	3278.00	
Recorder	0.00	8520	Outside	3278.00	
Drill Pipe	31.00			3309.00	
Change Over Sub	1.00			3310.00	
Perforations	2.00			3312.00	
Bullnose	3.00			3315.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040963 DST#: 1

ATTN: Ron Walblay

Test Start: 2010.11.19 @ 09:56:14

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: bbl		
Water Loss: 5.99 in ²	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Mdy Wtr	0.975

Total Length: 150.00 ft Total Volume: 0.975 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8354

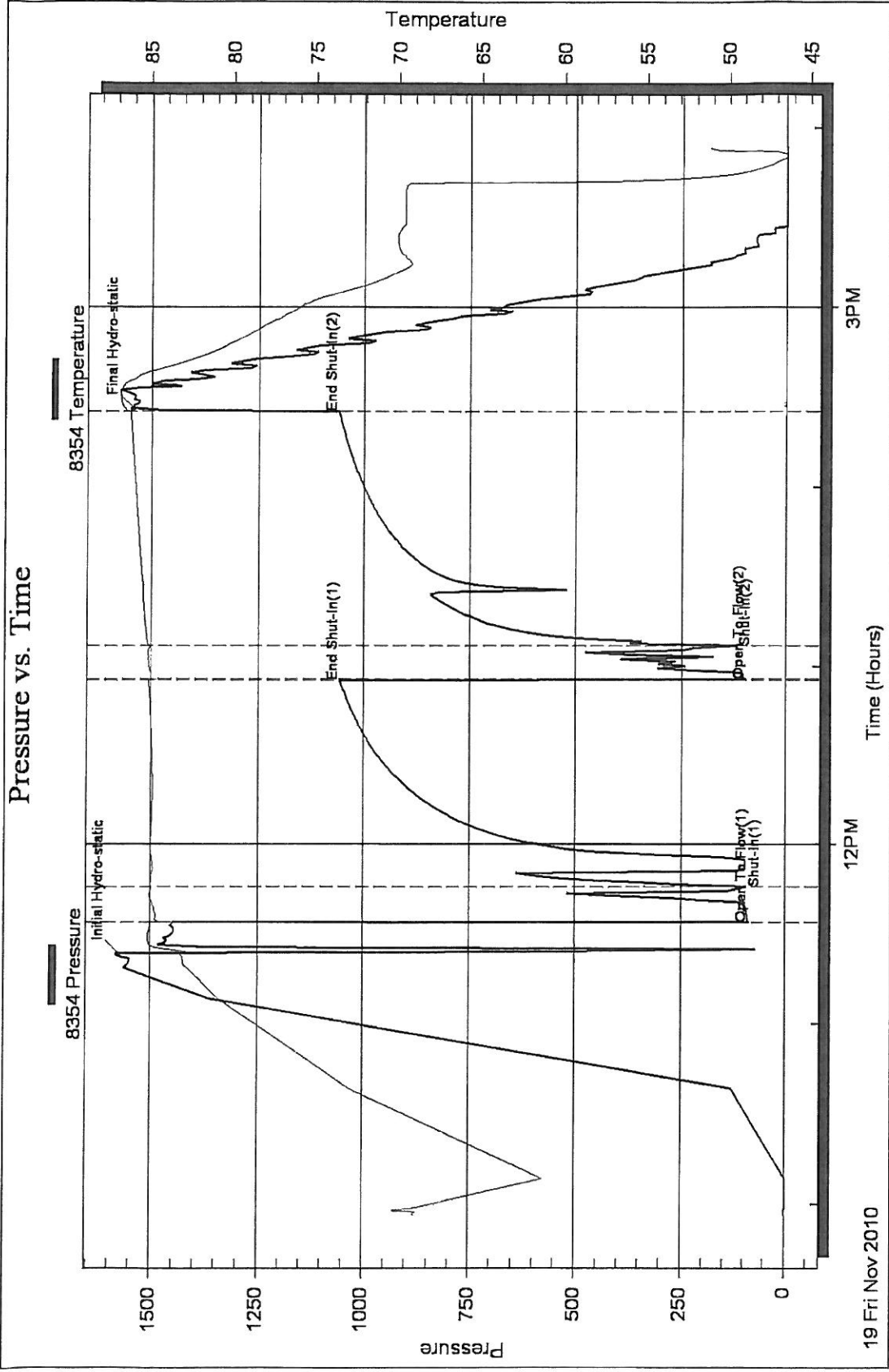
Inside

RyHolland Felder Inc

16-1-24-Norton,KS

DST Test Number: 1

Pressure vs. Time

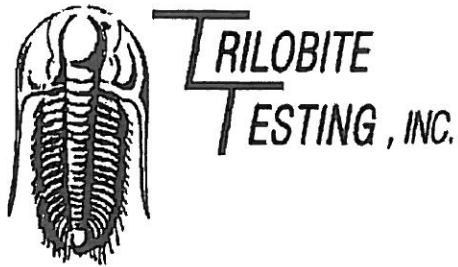


19 Fri Nov 2010

12PM

3PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **RyHolland Felder Inc**

1612 Westgate CR Ste 120
Brentwood TN 37027

ATTN: Ron Walblay

16-1-24-Norton,KS

Retke # 2

Start Date: 2010.11.19 @ 23:56:22

End Date: 2010.11.20 @ 07:08:52

Job Ticket #: 040964 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

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040964

DST#: 2

ATTN: Ron Walblay

Test Start: 2010.11.19 @ 23:56:22

GENERAL INFORMATION:

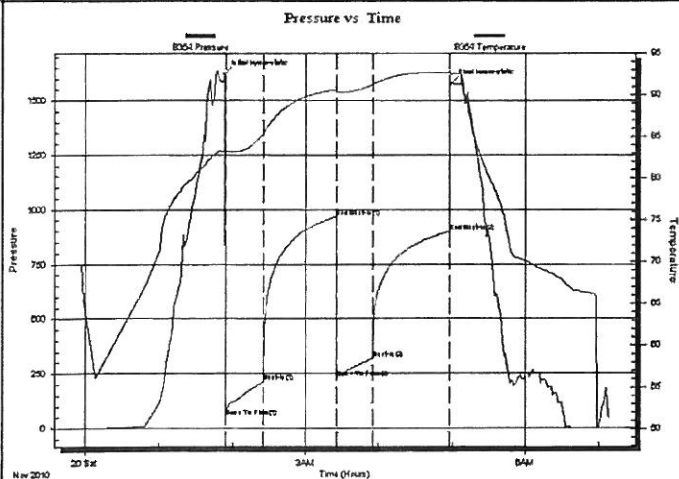
Formation: H LKC
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 01:54:07 Tester: Dan Bangle
 Time Test Ended: 07:08:52 Unit No: 38
 Interval: 3315.00 ft (KB) To 3355.00 ft (KB) (TVD) Reference Elevations: 2322.00 ft (KB)
 Total Depth: 3355.00 ft (KB) (TVD) 2317.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: 318.92 psig @ 3318.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.11.19 End Date: 2010.11.20 Last Calib.: 2010.11.20
 Start Time: 23:56:23 End Time: 07:08:52 Time On Btm: 2010.11.20 @ 01:53:07
 Time Off Btm: 2010.11.20 @ 04:59:07

TEST COMMENT: IF-Strong B-B in 3 min
 ISI-Weak building to 1/4"
 FF-Strong B-B in 5 min
 FSI-Weak building to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.04	83.47	Initial Hydro-static
1	51.16	82.99	Open To Flow (1)
33	212.86	85.34	Shut-In(1)
92	965.60	90.57	End Shut-In(1)
93	229.73	90.37	Open To Flow (2)
122	318.92	91.19	Shut-In(2)
185	898.63	92.64	End Shut-In(2)
186	1579.62	92.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Mdy Wtr	3.22
60.00	MCGsyO 5%g 65%o 30%m	0.84
60.00	MCGsyO 10%g 70%o 20%m	0.84
188.00	CGsyO 10%g 90%o	2.64
0.00	120 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040964

DST#: 2

ATTN: Ron Walblay

Test Start: 2010.11.19 @ 23:56:22

Tool Information

Drill Pipe:	Length: 3193.00 ft	Diameter: 3.80 inches	Volume: 44.79 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 45.40 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3315.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			3288.00	
Shut In Tool	5.00			3293.00	
Hydraulic tool	5.00			3298.00	
Jars	5.00			3303.00	
Safety Joint	3.00			3306.00	
Packer	5.00			3311.00	28.00 Bottom Of Top Packer
Packer	4.00			3315.00	
Stubb	1.00			3316.00	
Perforations	1.00			3317.00	
Change Over Sub	1.00			3318.00	
Recorder	0.00	8354	Inside	3318.00	
Recorder	0.00	8520	Outside	3318.00	
Drill Pipe	31.00			3349.00	
Change Over Sub	1.00			3350.00	
Perforations	2.00			3352.00	
Bullnose	3.00			3355.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RyHolland Felder Inc
1612 Westgate CR Ste 120
Brentwood TN 37027

Retke # 2
16-1-24-Norton,KS
Job Ticket: 040964 **DST#: 2**
Test Start: 2010.11.19 @ 23:56:22

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 78000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1700.00 ppm		
Filter Cake: inches		

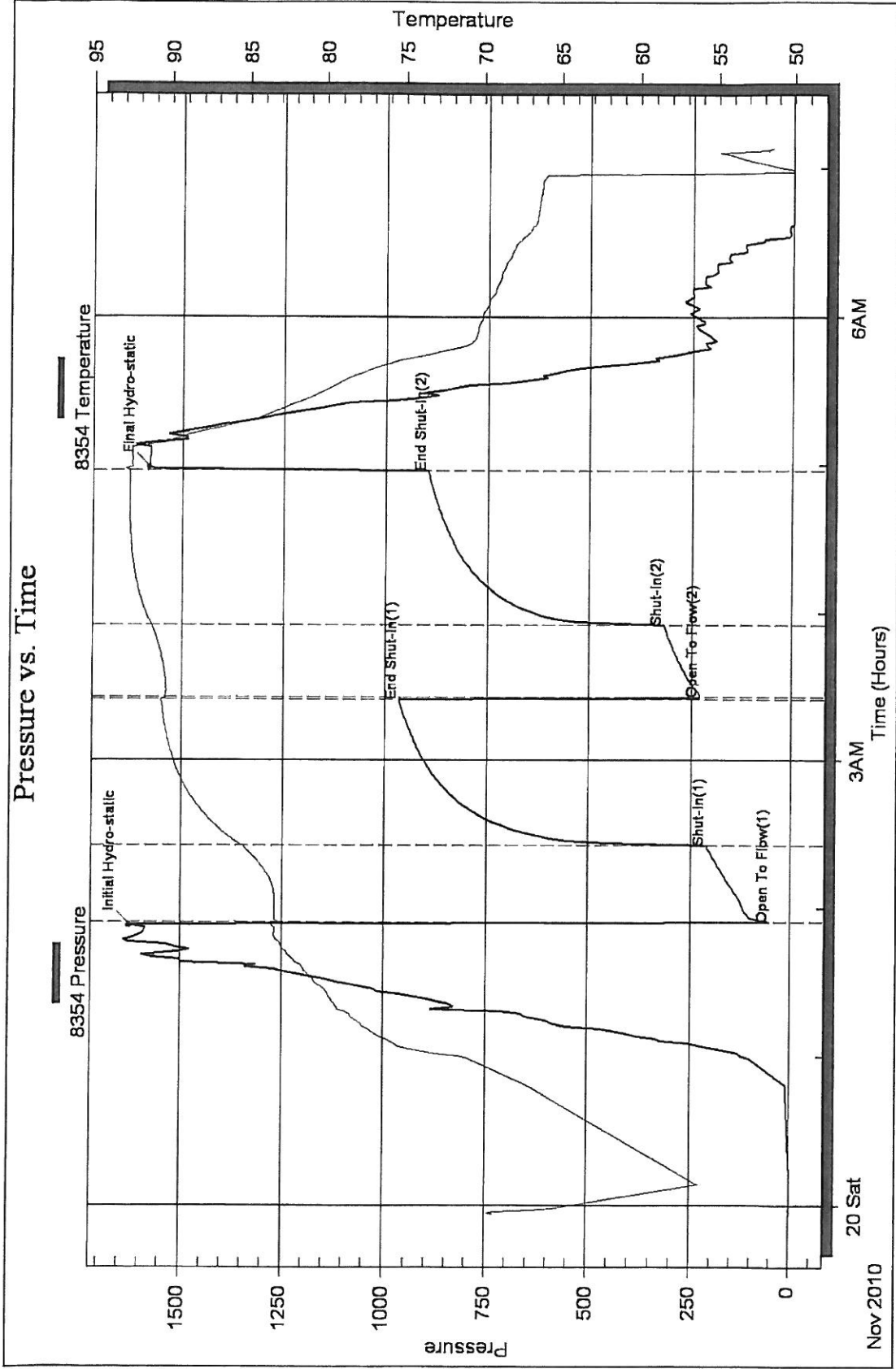
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Mdy Wtr	3.219
60.00	MCGsyO 5%g 65%o 30%m	0.842
60.00	MCGsyO 10%g 70%o 20%m	0.842
188.00	CGsyO 10%g 90%o	2.637
0.00	120 GIP	0.000

Total Length: 618.00 ft Total Volume: 7.540 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Rw .06 @ 72 = 78000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **RyHolland Felder Inc**

1612 Westgate CR Ste 120
Brentwood TN 37027

ATTN: Ron Walblay

16-1-24-Norton,KS

Retke # 2

Start Date: 2010.11.20 @ 13:50:18

End Date: 2010.11.20 @ 19:25:48

Job Ticket #: 040965 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

RyHolland Felder Inc
1612 Westgate CR Ste 120
Brentwood TN 37027
ATTN: Ron Walblay

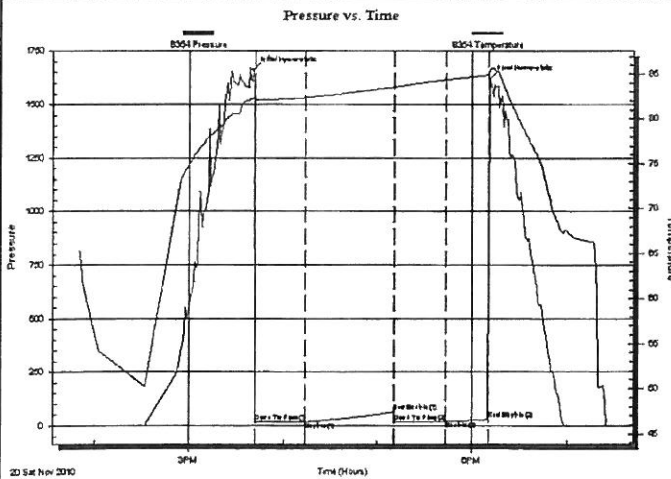
Retke # 2
16-1-24-Norton,KS
Job Ticket: 040965 DST#: 3
Test Start: 2010.11.20 @ 13:50:18

GENERAL INFORMATION:

Formation: J LK
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:41:48
Time Test Ended: 19:25:48
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Interval: 3353.00 ft (KB) To 3380.00 ft (KB) (TVD)
Reference Elevations: 2322.00 ft (KB)
Total Depth: 3380.00 ft (KB) (TVD) 2317.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press@RunDepth: 19.67 psig @ 3354.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.11.20 End Date: 2010.11.20 Last Calib.: 2010.11.20
Start Time: 13:50:19 End Time: 19:25:48 Time On Btm: 2010.11.20 @ 15:40:18
Time Off Btm: 2010.11.20 @ 18:11:18

TEST COMMENT: IF-Weak died in 12 min
FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.48	82.32	Initial Hydro-static
2	16.37	82.04	Open To Flow (1)
34	17.92	82.38	Shut-In(1)
91	63.62	83.54	End Shut-In(1)
91	18.77	83.52	Open To Flow (2)
124	19.67	84.36	Shut-In(2)
151	28.69	84.89	End Shut-In(2)
151	1620.14	85.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040965

DST#: 3

ATTN: Ron Walblay

Test Start: 2010.11.20 @ 13:50:18

Tool Information

Drill Pipe:	Length: 3226.00 ft	Diameter: 3.80 inches	Volume: 45.25 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3353.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 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			3326.00	
Shut In Tool	5.00			3331.00	
Hydraulic tool	5.00			3336.00	
Jars	5.00			3341.00	
Safety Joint	3.00			3344.00	
Packer	5.00			3349.00	28.00 Bottom Of Top Packer
Packer	4.00			3353.00	
Stubb	1.00			3354.00	
Recorder	0.00	8354	Inside	3354.00	
Recorder	0.00	8520	Outside	3354.00	
Perforations	23.00			3377.00	
Bullnose	3.00			3380.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040965

DST#: 3

ATTN: Ron Walblay

Test Start: 2010.11.20 @ 13:50:18

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: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

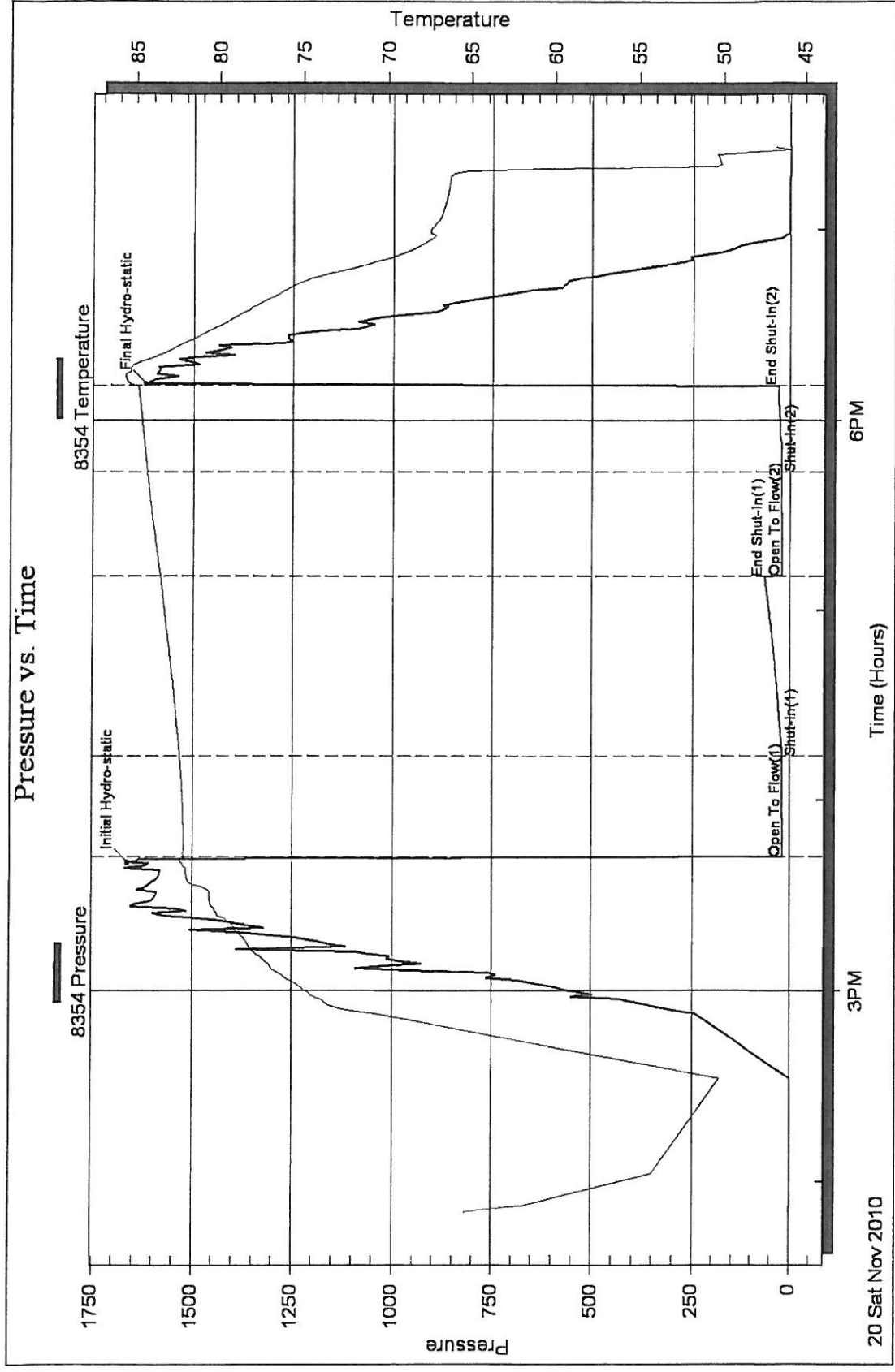
Serial #: 8354

Inside

RyHolland Felder Inc

16-1-24-Norton,KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **RyHolland Felder Inc**

1612 Westgate CR Ste 120
Brentwood TN 37027

ATTN: Ron Walblay

16-1-24-Norton,KS

Retke # 2

Start Date: 2010.11.20 @ 22:58:55

End Date: 2010.11.21 @ 06:17:40

Job Ticket #: 040966 DST #: 4

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

RyHolland Felder Inc
1612 Westgate CR Ste 120
Brentwood TN 37027
ATTN: Ron Walblay

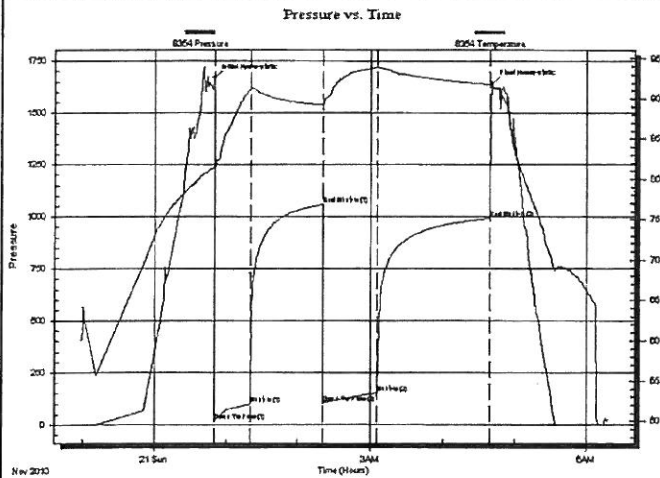
Retke # 2
16-1-24-Norton, KS
Job Ticket: 040966 DST#: 4
Test Start: 2010.11.20 @ 22:58:55

GENERAL INFORMATION:

Formation:	K LKC	Test Type:	Conventional Bottom Hole
Deviated:	No Whipstock:	Tester:	Dan Bangle
Time Tool Opened:	00:50:10	Unit No:	38
Time Test Ended:	06:17:40	Reference Elevations:	2322.00 ft (KB)
Interval:	3378.00 ft (KB) To 3405.00 ft (KB) (TVD)		2317.00 ft (CF)
Total Depth:	3405.00 ft (KB) (TVD)	KB to GR/CF:	5.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Good

Serial #: 8354	Inside	Capacity:	8000.00 psig
Press@RunDepth:	152.74 psig @ 3379.00 ft (KB)	Last Calib.:	2010.11.21
Start Date:	2010.11.20	End Date:	2010.11.21
Start Time:	22:58:56	End Time:	06:17:40
		Time On Btm:	2010.11.21 @ 00:49:55
		Time Off Btm:	2010.11.21 @ 04:41:10

TEST COMMENT: IF-Weak building to 14"
IS-Weak surface blow - died in 15 min
FF-Weak building to 12"
FSI-Weak surface blow - died in 10 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.10	81.51	Initial Hydro-static
1	19.96	81.11	Open To Flow (1)
31	97.72	91.21	Shut-In(1)
91	1058.20	89.27	End Shut-In(1)
91	101.71	88.95	Open To Flow (2)
136	152.74	93.89	Shut-In(2)
230	992.64	91.85	End Shut-In(2)
232	1645.36	91.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Mdy Wtr	3.22

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040966

DST#: 4

ATTN: Ron Walblay

Test Start: 2010.11.20 @ 22:58:55

Tool Information

Drill Pipe:	Length: 3227.00 ft	Diameter: 3.80 inches	Volume: 45.27 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	45.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3378.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 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			3351.00	
Shut In Tool	5.00			3356.00	
Hydraulic tool	5.00			3361.00	
Jars	5.00			3366.00	
Safety Joint	3.00			3369.00	
Packer	5.00			3374.00	28.00 Bottom Of Top Packer
Packer	4.00			3378.00	
Slubb	1.00			3379.00	
Recorder	0.00	8354	Inside	3379.00	
Recorder	0.00	8520	Outside	3379.00	
Perforations	23.00			3402.00	
Bullnose	3.00			3405.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

RyHolland Felder Inc

Retke # 2

1612 Westgate CR Ste 120
Brentwood TN 37027

16-1-24-Norton,KS

Job Ticket: 040966

DST#: 4

ATTN: Ron Walblay

Test Start: 2010.11.20 @ 22:58:55

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:

60000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Mdy Wtr	3.219

Total Length: 310.00 ft Total Volume: 3.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .15 @ 60 = 60000ppm

Serial #: 8354

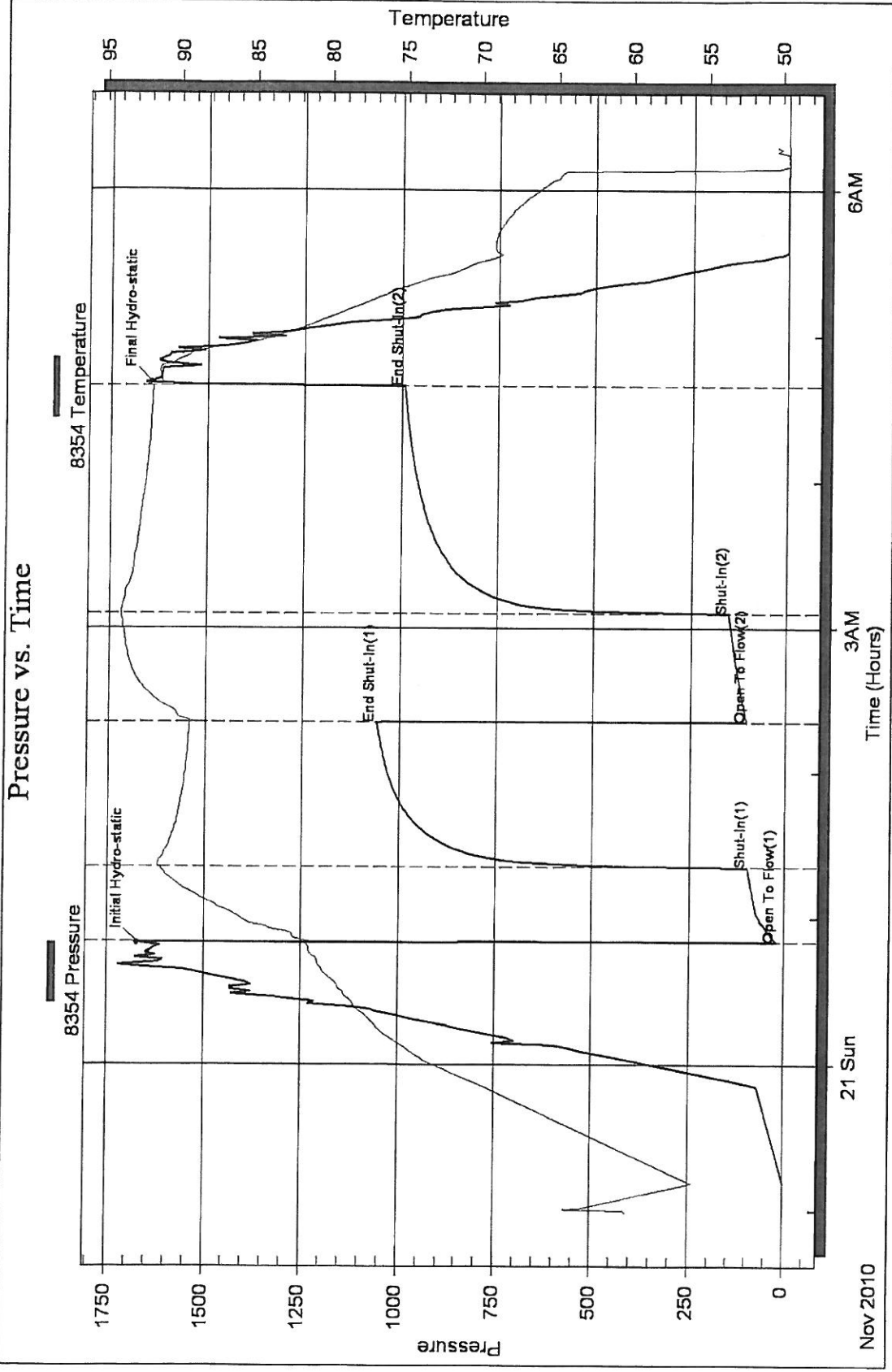
Inside

RyHolland Felder Inc

16-1-24-Norton, KS

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NOV 22 2010

Test Ticket

NO. 040963

Well Name & No. Retke #2 Test No. 1 Date 11-19-10
 Company Ry Holland Felder Inc Elevation 2322 KB 2317 GL
 Address 1612 Westgate CR Ste 120 Brentwood TN 37027
 Co. Rep / Geo. Clayton Erickson Rig WW #10
 Location: Sec. 16 Twp. 1 Rge. 24 Co. Norton State Ks

Interval Tested 3275 — 3315 Zone Tested G LKC
 Anchor Length 40 Drill Pipe Run 3137 Mud Wt. 9
 Top Packer Depth 3270 Drill Collars Run 124 Vis 55
 Bottom Packer Depth 3275 Wt. Pipe Run — WL 6
 Total Depth 3315 Chlorides 1700 ppm System LCM 1/2#

Blow Description I.F. Slid Tool 12' to bottom - lost 20' mud -
4 1/2" steady blow
F.F. Weak steady blow

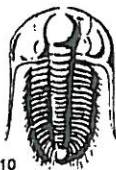
Plugging

Rec	Feet of	%gas	%oil	%water	%mud
150	Feet of <u>ndy WTR</u>				
	Feet of	%gas	%oil	%water	%mud
	Feet of	%gas	%oil	%water	%mud
	Feet of	%gas	%oil	%water	%mud
	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1574</u>	<input type="checkbox"/> Test <u>125</u>	T-On Location <u>08:45</u>
(B) First Initial Flow <u>86</u>	<input checked="" type="checkbox"/> Jars <u>X 250</u>	T-Started <u>09:56</u>
(C) First Final Flow <u>94</u>	<input checked="" type="checkbox"/> Safety Joint <u>X 75</u>	T-Open <u>11:25</u>
(D) Initial Shut-In <u>105 105</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>14:25</u>
(E) Second Initial Flow <u>96</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:53</u>
(F) Second Final Flow <u>118 118</u>	<input type="checkbox"/> Mileage <u>80 RT 100</u>	Comments _____
(G) Final Shut-In <u>105.8</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1545</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>8</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1550</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1550</u>	

Approved By _____ Our Representative Dan Baugle
 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

RECEIVED
NOV 22 2010

Test Ticket

NO. 040965

BY: _____

Well Name & No. Ret Ke #2 Test No. 3 Date 11-20-10
 Company Ry Holland Felder Inc Elevation 2322 KB 2317 GL
 Address _____
 Co. Rep / Geo. Clayton Erickson Rig WW#10
 Location: Sec. 16 Twp. 1 Rge. 24 Co. Norton State Ks

Interval Tested 3353 — 3380 Zone Tested J LKC
 Anchor Length 27 Drill Pipe Run 3226 Mud Wt. 9
 Top Packer Depth 3348 Drill Collars Run 124 Vis 5.5
 Bottom Packer Depth 3353 Wt. Pipe Run — WL 6
 Total Depth 3380 Chlorides 1700 ppm System LCM 1/2#
 Blow Description I.F. Weak - died in 12 min.

E.F. No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Dalg 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

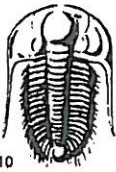
Rec Total 5 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1662</u>	<input type="checkbox"/> Test <u>1125'</u>	T-On Location _____
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>X 250'</u>	T-Started <u>12:00</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>X 75'</u>	T-Open <u>13:50</u>
(D) Initial Shut-In <u>63</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>16:20</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>19:25</u>
(F) Second Final Flow <u>19</u>	<input type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In <u>28</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1620</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>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>8</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1450'</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1450'</u>	

Approved By _____

Our Representative Dan Bangle

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

RECEIVED
NOV 22 2010

Test Ticket

NO. 040966

4/10

BY:

Well Name & No. Retke #2 Test No. 4 Date 11-20-10
 Company Ry Holland Felder Inc Elevation 2322 KB 2317 GL
 Address _____
 Co. Rep / Geo. Clayton Erickson Rig WW#10
 Location: Sec. 16 Twp. 1 Rge. 24 Co. Norton State Ks

Interval Tested 3378 — 3405 Zone Tested K LKC
 Anchor Length 27 Drill Pipe Run 3227 Mud Wt. 9.2
 Top Packer Depth 3373 Drill Collars Run 124 Vis 60
 Bottom Packer Depth 3378 Wt. Pipe Run — WL 6
 Total Depth 3405 Chlorides 1700 ppm System LCM 1/2 #

Blow Description F.F. Weak - building to 14"
151 - Weak surface blow - died in 15 min
F.F. Weak - building to 12"
FS1 - Weak - surface blow - died in 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>Mdy WTR</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 310 BHT 91 Gravity _____ API RW 1.15 @ 60° F Chlorides 6000 ppm
 (A) Initial Hydrostatic 1672 Test 1125 T-On Location 22:10
 (B) First Initial Flow 19 Jars X 250 T-Started 22:58
 (C) First Final Flow 97 Safety Joint X 75' T-Open 00:50
 (D) Initial Shut-In 1058 Circ Sub _____ T-Pulled 04:35
 (E) Second Initial Flow 101 Hourly Standby _____ T-Out 06:17
 (F) Second Final Flow 152 Mileage 80RT 100' Comments _____
 (G) Final Shut-In 992 Sampler _____
 (H) Final Hydrostatic 1645 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 90 Sub Total Ø
 Total 1550
 MP/DST Disc't _____
 Sub Total 1550

Approved By _____ Our Representative Don Kangle

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.



CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 28660

LOCATION Oakley, Ks

FOREMAN Pat Heister

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-22-00		Retke RE1 #2	16	13	24 ^W	Norton
CUSTOMER		RY Holland Felder, Inc				
MAILING ADDRESS						
CITY		STATE	ZIP CODE			

TRUCK #	DRIVER	TRUCK #	DRIVER
463 ^{FF}	Miles S.		
466-T127	Chad S.		
558	Josh G.		

JOB TYPE Prod - O HOLE SIZE 7 7/8 HOLE DEPTH 3535' CASING SIZE & WEIGHT 5 1/2 - 15 1/2 #
 CASING DEPTH 3534' DRILL PIPE _____ TUBING _____ OTHER DY-1802
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 16.43'
 DISPLACEMENT 85 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: Safety Meetings, run Float Equip, rig up to casing, circ 1 Hr
Pump 500 gal mud flush, mixed 150 sks OWC, 10% salt, 2% cel
clear Pump + Lines Displace, 43 1/2 BPM, had end 42 BPM mud @ 650# max
landed Plug @ 1300#, release Pressure, float hold, open DV Tool
circ. 3 Hrs

mixed 25 sks in R.H
mixed 375 sks 6 1/4 pop, 8% cel 1/2# Flo Seal
Clear Pump Lines, Released Plug + Displace 44 BPM had @ 650#
landed Plug @ 1500#, release Pressure, hold

Thank You
Pat + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE		
5406	75	MILEAGE	27.30 ⁰⁰	2,730 ⁰⁰
1126	150 sks	OWC OWC	4.50	337 ⁵⁰
1131	400 sks	6 1/4 pop, cell	20 ³⁵	3,052 ⁵⁰
1111	737 #	Salt	13 ⁰⁰	5,200 ⁰⁰
1118B	2752 #	Bentonite	1.40	294 ⁰⁰
1107	100 #	Flo Seal	1.20	550 ⁰⁰
	500 gal	Mud Flush	2.50	250 ⁰⁰
5407A	24.25	Ton mileage Delivery	1.00	500 ⁰⁰
4158	1	5 1/2 AFV Float Shoe	1.50	2,728 ⁵⁰
4130	9	5 1/2 Centralizers	341 ⁰⁰	341 ⁰⁰
4204	2	Baskets	56 ⁰⁰	504 ⁰⁰
4277	1	DY Tool	263 ⁰⁰	526 ⁰⁰
			3670 ⁰⁰	3670 ⁰⁰
				20,684 ⁷⁰
		Less 20% Disc		4136 ⁹⁴
				16,547 ⁷⁶

Ravin 3737

AUTHORIZATION [Signature]

TITLE _____

SALES TAX	
ESTIMATED TOTAL	

DATE _____

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.

ALLIED CEMENTING CO., LLC. 035507

Federal Tax I.D.# 20-5975804

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

SERVICE POINTS

Dakota Ky

DATE 11/16/10	SEC 16	TWP 1	RANGE 24	CALLED OUT	ON LOCATION	JOB START 4:30	JOB FINISH 5:20
LEASE <i>Rate</i>	WELL # <i>RFI #</i>	LOCATION <i>383/36 Jct NW 2W 2 1/2 N</i>		COUNTY <i>Madison</i>	STATE <i>Ky</i>		
OLD OR NEW (Circle one) <i>NEU</i>							

CONTRACTOR <i>WW 10</i>	OWNER <i>Same</i>
TYPE OF JOB <i>Surf Seal</i>	CEMENT AMOUNT ORDERED <i>1650m 370cc 290gel</i>
HOLE SIZE <i>12 1/4</i>	T.D. <i>201</i>
CASING SIZE <i>8 5/8</i>	DEPTH <i>201</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>15</i>	
PERFS.	
DISPLACEMENT <i>13.122 181 40</i>	

COMMON <i>165</i>	@ <i>15.45</i>	<i>2549.25</i>
POZMIX	@	
GEL <i>3</i>	@ <i>20.80</i>	<i>62.40</i>
CHLORIDE <i>36</i>	@ <i>58.20</i>	<i>349.20</i>
ASC	@	
@		
@		
@		
@		
@		
@		
@		
@		
@		
HANDLING <i>174</i>	@ <i>2.40</i>	<i>417.60</i>
MILEAGE <i>109 5/8/mile</i>	@	<i>1044.00</i>
		TOTAL <i>4422.45</i>

REMARKS:

Run 8 5/8 cas Circulate mix 165 SK, Low 370cc 290gel, Displace w/ 13.12 181 40

Cement Seal Circulate

Thank You
Alan, Wayne, Wil

CHARGE TO: *By Holland Felter*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<i>1018.00</i>
EXTRA FOOTAGE @	
MILEAGE <i>60 miles</i> @ <i>7.22</i>	<i>420.00</i>
MANIFOLD @	
@	
@	
TOTAL <i>1438.00</i>	

PLUG & FLOAT EQUIPMENT

@	
@	
@	
@	
@	
@	
TOTAL _____	

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

PRINTED NAME *Marty Mills*

SIGNATURE *Marty Mills*

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



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: 11/16/2010
Surface Coordinates: Sec 16, T1S, R24W
2000' FNL 370' FEL

Region: Norton County, KS
Drilling Completed: 11/21/2010

Bottom Hole Coordinates:
Ground Elevation (ft): 2317 K.B. Elevation (ft): 2322
Logged Interval (ft): 3050 To: TD Total Depth (ft): 3535
Formation:
Type of Drilling Fluid: Chemical Mud

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 should be run.

It is my opinion that the LKC "H"-zone should be produced from 3334-3339 with 4 shots per foot. The zone could be shot to 3340 but with water in mind I would see if the 3334-3339 interval is economical. I currently do not recommend acidizing.

DSTs

DST #1 3275-3315 30-60-30-60; Hydro: 1574-1545; IFP: 86-94; ISIP: 1055; FFP: 96-118; FSIP: 1058; Rec: 150' mdy wtr; BHT: ; IF: 1 1/4"; ISI: dead; FF: surface; FSI: dead; tool slid 12' tool plugging
DST #2 3315-3355 30-60-30-60; Hydro: 1622-1579; IFP: 51-212; ISIP: 965; FFP: 229-318; FSIP: 898; Rec: 120' GIP; 188' cgo, 10%g, 90%o; 60'mcgo, 10%g, 70%o, 20%g, 60'mcgo, 5%g, 65%o, 30%g; 310' mdy wtr, 90%w, 10%g; BHT: 92; Grav: 30; RW: .06@72; Chl: 78,000; IF: BOB 3min; ISI: 1/4"; FF: BOB 5min; FSI: 1/2"
DST #3 3353-3380 30-60-30-30; Hydro: 1662-1620; IFP: 16-17; ISIP: 63; FFP: 18-19; FSIP: 28; Rec: 5' mud; BHT: ; IF: dead in 12min; ISI: dead; FF: dead; FSI: dead
DST #4 3378-3405 30-60-45-90; Hydro: 1672-1645; IFP: 19-97; ISIP: 1058; FFP: 101-152; FSIP: 992; Rec: 310' mdy wtr; BHT: 91; RW: .15@60F; Chl: 60,000; IF: 14"; ISI: surface dead in 15min; FF: 12"; FSI: surface dead in 10min

FORMATION TOPS

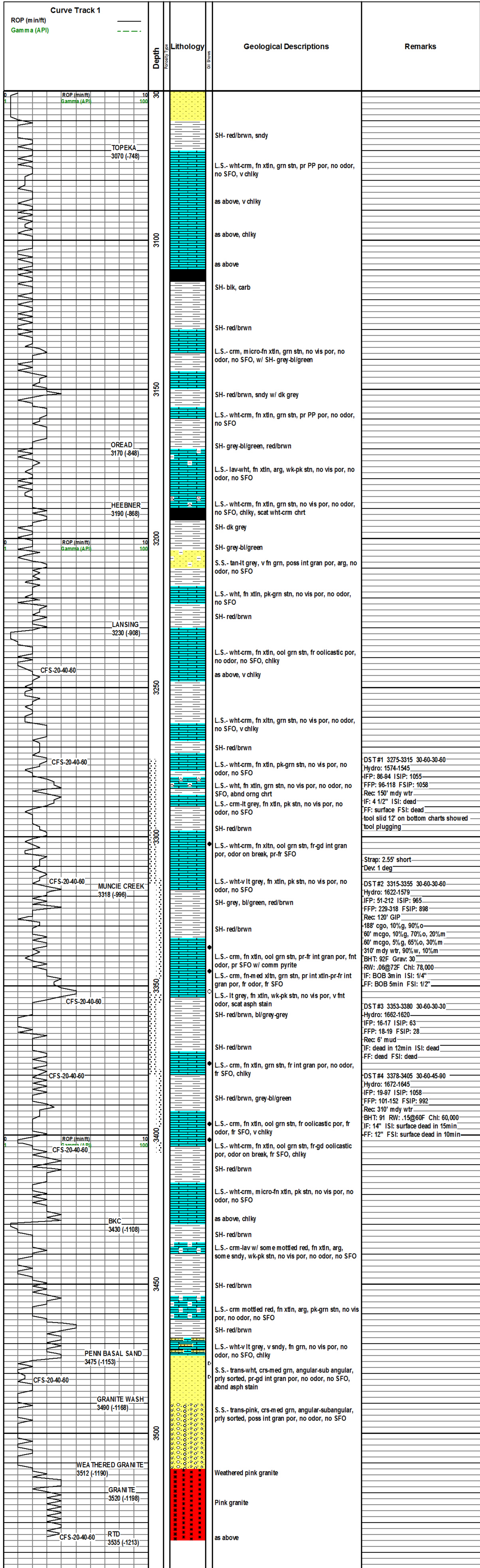
	Log Tops	Sample tops
ANHYDRITE	1832 (+490)	1833 (+489)
BAES ANHY.	1856 (+466)	1857 (+465)
TOPEKA	3070 (-748)	3070 (-748)
OREAD	3173 (-851)	3170 (-848)
HEEBNER	3190 (-868)	3190 (-868)
LANSING	3232 (-910)	3230 (-908)
MUNCIE CREEK	3316 (-994)	3318 (-996)
BKC	3430 (-1108)	3430 (-1108)
BASAL PENN SAND	3476 (-1154)	3475 (-1153)
GRANITE WASH	3490 (-1168)	3490 (-1168)
WEATHERED GRANITE		3512 (-1190)
GRANITE		3520 (-1198)
TD	3535 (-1213)	3535 (-1213)

ROCK TYPES

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

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Ques		Dst





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: 11/16/2010
Surface Coordinates: Sec 16, T1S, R24W
2000' FNL 370' FEL

Region: Norton County, KS
Drilling Completed: 11/21/2010

Bottom Hole Coordinates:

Ground Elevation (ft): 2317 K.B. Elevation (ft): 2322
Logged Interval (ft): 3050 To: TD Total Depth (ft): 3535
Formation:
Type of Drilling Fluid: Chemical Mud

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 should be run.

It is my opinion that the LKC "H"-zone should be produced from 3334-3339 with 4 shots per foot. The zone could be shot to 3340 but with water in mind I would see if the 3334-3339 interval is economical. I currently do not recommend acidizing.

DSTs

DST #1 3275-3315 30-60-30-60; Hydro: 1574-1545; IFP: 86-94; ISIP: 1055; FFP: 96-118; FSIP: 1058; Rec: 150' mdy wtr; BHT: ; IF: 1 1/4"; ISI: dead; FF: surface; FSI: dead; tool slid 12' tool plugging
DST #2 3315-3355 30-60-30-60; Hydro: 1622-1579; IFP: 51-212; ISIP: 965; FFP: 229-318; FSIP: 898; Rec: 120' GIP; 188' cgo, 10%g, 90%o; 60'mcgo, 10%g, 70%o, 20%g, 60'mcgo, 5%g, 65%o, 30%g; 310' mdy wtr, 90%w, 10%g; BHT: 92; Grav: 30; RW: .06@72; Chl: 78,000; IF: BOB 3min; ISI: 1/4"; FF: BOB 5min; FSI: 1/2"
DST #3 3353-3380 30-60-30-30; Hydro: 1662-1620; IFP: 16-17; ISIP: 63; FFP: 18-19; FSIP: 28; Rec: 5' mud; BHT: ; IF: dead in 12min; ISI: dead; FF: dead; FSI: dead
DST #4 3378-3405 30-60-45-90; Hydro: 1672-1645; IFP: 19-97; ISIP: 1058; FFP: 101-152; FSIP: 992; Rec: 310' mdy wtr; BHT: 91; RW: .15@60F; Chl: 60,000; IF: 14"; ISI: surface dead in 15min; FF: 12"; FSI: surface dead in 10min

FORMATION TOPS

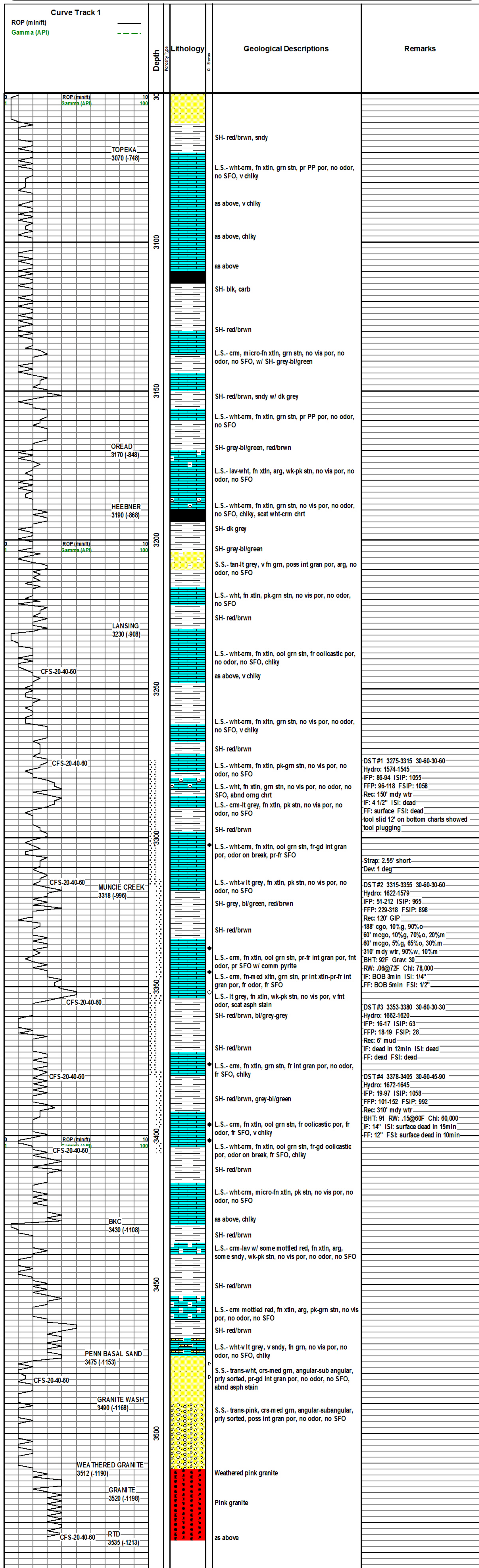
	Log Tops	Sample tops
ANHYDRITE	1832 (+490)	1833 (+489)
BAES ANHY.	1856 (+466)	1857 (+465)
TOPEKA	3070 (-748)	3070 (-748)
OREAD	3173 (-851)	3170 (-848)
HEEBNER	3190 (-868)	3190 (-868)
LANSING	3232 (-910)	3230 (-908)
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ROCK TYPES

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

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Ques		Dst



API # 15-137-20539-00-00

Operator: RyHolland Fielder Inc.

Well Name & No: Retke RFI # 2

Location: 2500' FNL & 2550' FWL, Section 16-1s-24w

County: Norton

State: Kansas

Rig No.: 10 Contractor: WW Drilling, LLC

Tool Pusher: Marty Mills - 785-259-0814

Drill Collars: 14 Size: 6 1/4 x 2 1/4

Rig Phone: 785-2259-4570

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 11/16/2010 @ 1:30 PM

Approx. TD: 3550 Elevation: 2317

K.B. 2322

KB Hole Complete: 11/21/2010 @ 3:00 PM

Mud Co.: Morgan Mud

Mud Engineer: Dave Lines

Water pond

Date	11/16/10	11/17/10	11/18/10	11/19/10	11/20/10	11/21/10	11/22/10	11/23/10
Days	1-spud	2-drlg	3-drlg	4-short trip	5-dst #2	6-dst # 4	7-Run Pipe	8-done
Depth		750	2765	3315	3355	3405	3535	3535
Ft. Cut		750	2015	650	40	50	130	
D.T.							1/4 Premix	
D.T.		8-woc		1/2-wop	1/4-brakes	1/2-filter		
C.T.				5.75	21.75	21.75	21	9.5
Bit Wt.		20,000	30,000	35,000	35,000	35	35,000	
RPM		90	80	80	80	80	80	
Pressure		650	850	950	950	950	900	
SPM		58	58	58	58	58	58	
Mud Cost		718	6330	8559	8559	8559	8849	8849
Mud Wt.			9.1	8.8	9	9.2	9.3	
Viscosity			29	62	55	60	60	
Water Loss					6	6	6.4	
Chlorides					1700	1200	1900	
L.C.M.				trace	1/2 #	1/2 #	2#	
Dev. Sur		1*@221'			1*-3315		1*@3535	
Dev. Sur								
Fuel	2750	2620	2259	1954	1771	1529	1352	1250
Water-Pit	full	1/2.	1/2.	2.5'	full	3.5'	3/4.	
ACC Bit Hrs.		6	28.75	45.5	47.5	49.25	54.25	
Formallon	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	
Weather	clear	Lt.Snow	cloudy	cloudy	cloudy	foggy	cloudy	cloudy

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	221	221	2	2	RR	C 14782	
2	7 7/8	Sm - F-27	3535	3314	54.25	56.25	New	PS 3807	62.84
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
221	8 5/8	165	Common, 3% cc, 2% gel	5:00 PM	1:00 AM	Allied Did Circulate
3533	5 1/2	150	bottom stage-owc			
		375	upper stage	2:30 PM		Consolidated-did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3275-3315 (G)	30	60	30	60	150' muddy water
2	3315-3355 (H)	30	60	30	60	180' gip, 188' cgo, 120' mcgo, 310' water
3	3333-3380 (J)	30	60	30	30	5' mud
4	3378-3405 (K)	30	60	45	80	310' water
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest Pipe: 5 joints, 8 5/8, 23 #, tally 213.62 Set @ 219'

Remarks: Spud @ 1:30 PM, Strapped and Welded. Anhydrite 1833-1857', Short trip @ 3315', 30 stands,(2.5 hrs), pipe strap @ 3315(2.55 short),RTD @ 3535 @ 3:00PM 11/21/2010, Logged by Superior 7:15-11:12 PM 11/21/2010 LTD 3535', ran 88 joints 5 1/2(DV tool @ 1802), plug down @ 2:30 by Consolidated, rig released @ 4:30 pm on 11/23/2010.