



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: _____



1087362

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Investment Equipment, LLC**

17509 County Rd. 14
Ft. Morgan, CO 80701

ATTN: Marc Downing

Eilers #8

27-10s-18w Rooks,KS

Start Date: 2012.02.13 @ 16:56:15

End Date: 2012.02.14 @ 00:33:45

Job Ticket #: 46909 DST #: 1

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

Printed: 2012.02.29 @ 10:07:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46909

DST#: 1

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:09:45

Time Test Ended: 00:33:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3437.00 ft (KB) To 3498.00 ft (KB) (TVD)

Reference Elevations: 2084.00 ft (KB)

Total Depth: 3498.00 ft (KB) (TVD)

2074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 104.75 psig @ 3475.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.13

End Date:

2012.02.14

Last Calib.: 2012.02.14

Start Time: 17:06:15

End Time:

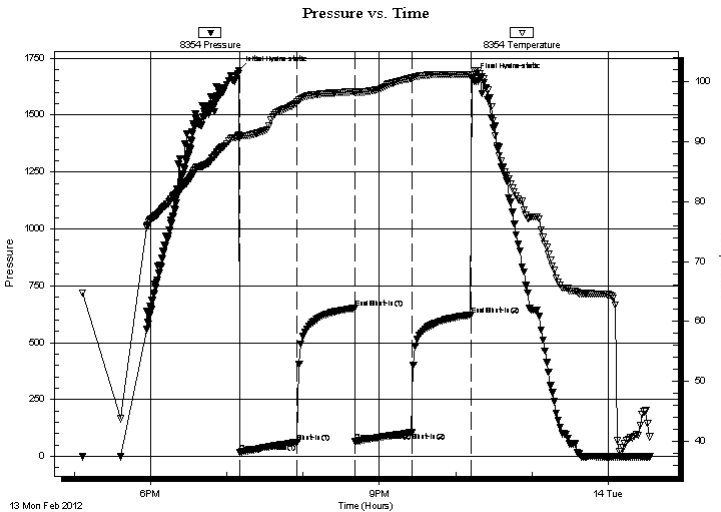
00:33:45

Time On Btm: 2012.02.13 @ 19:09:15

Time Off Btm: 2012.02.13 @ 22:13:45

TEST COMMENT: IF-Very weak building blow . Built to 5 & 3/4 inches.
ISI-No Return.
FF-Very weak building blow . Built to 5 inches.
FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.36	91.16	Initial Hydro-static
1	16.45	90.70	Open To Flow (1)
46	63.07	96.64	Shut-In(1)
91	651.40	98.30	End Shut-In(1)
92	65.41	98.18	Open To Flow (2)
136	104.75	100.54	Shut-In(2)
183	622.28	101.16	End Shut-In(2)
185	1665.58	101.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
67.00	5%Oil/95%Mud	0.94
124.00	5%Oil/45%Water/50%Mud	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46909

DST#: 1

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:09:45

Time Test Ended: 00:33:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3437.00 ft (KB) To 3498.00 ft (KB) (TVD)

Reference Elevations: 2084.00 ft (KB)

Total Depth: 3498.00 ft (KB) (TVD)

2074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 3475.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.13

End Date: 2012.02.14

Last Calib.: 2012.02.14

Start Time: 17:07:15

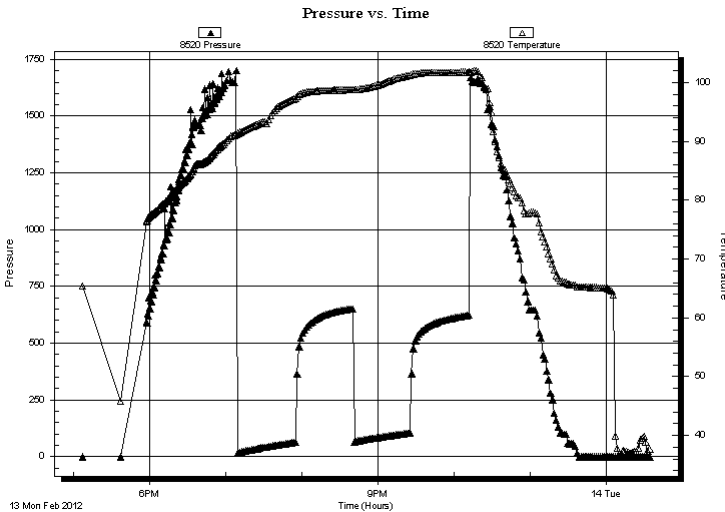
End Time: 00:33:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak building blow . Built to 5 & 3/4 inches.
IS-No Return.
FF-Very weak building blow . Built to 5 inches.
FS-No Return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
67.00	5%Oil/95%Mud	0.94
124.00	5%Oil/45%Water/50%Mud	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46909

DST#: 1

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

Tool Information

Drill Pipe:	Length: 3433.00 ft	Diameter: 3.80 inches	Volume: 48.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 5000.00 lb
			<u>Total Volume: 48.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3437.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3418.00	
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	20.00 Bottom Of Top Packer
Packer	4.00			3437.00	
Stubb	1.00			3438.00	
Perforations	4.00			3442.00	
Change Over Sub	1.00			3443.00	
Drill Pipe	31.00			3474.00	
Change Over Sub	1.00			3475.00	
Recorder	0.00	8354	Inside	3475.00	
Recorder	0.00	8520	Outside	3475.00	
Perforations	20.00			3495.00	
Bullnose	3.00			3498.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46909

DST#: 1

ATTN: Marc Downing

Test Start: 2012.02.13 @ 16:56:15

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:

32000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.57 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
67.00	5%Oil/95%Mud	0.940
124.00	5%Oil/45%Water/50%Mud	1.739

Total Length: 191.00 ft

Total Volume: 2.679 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

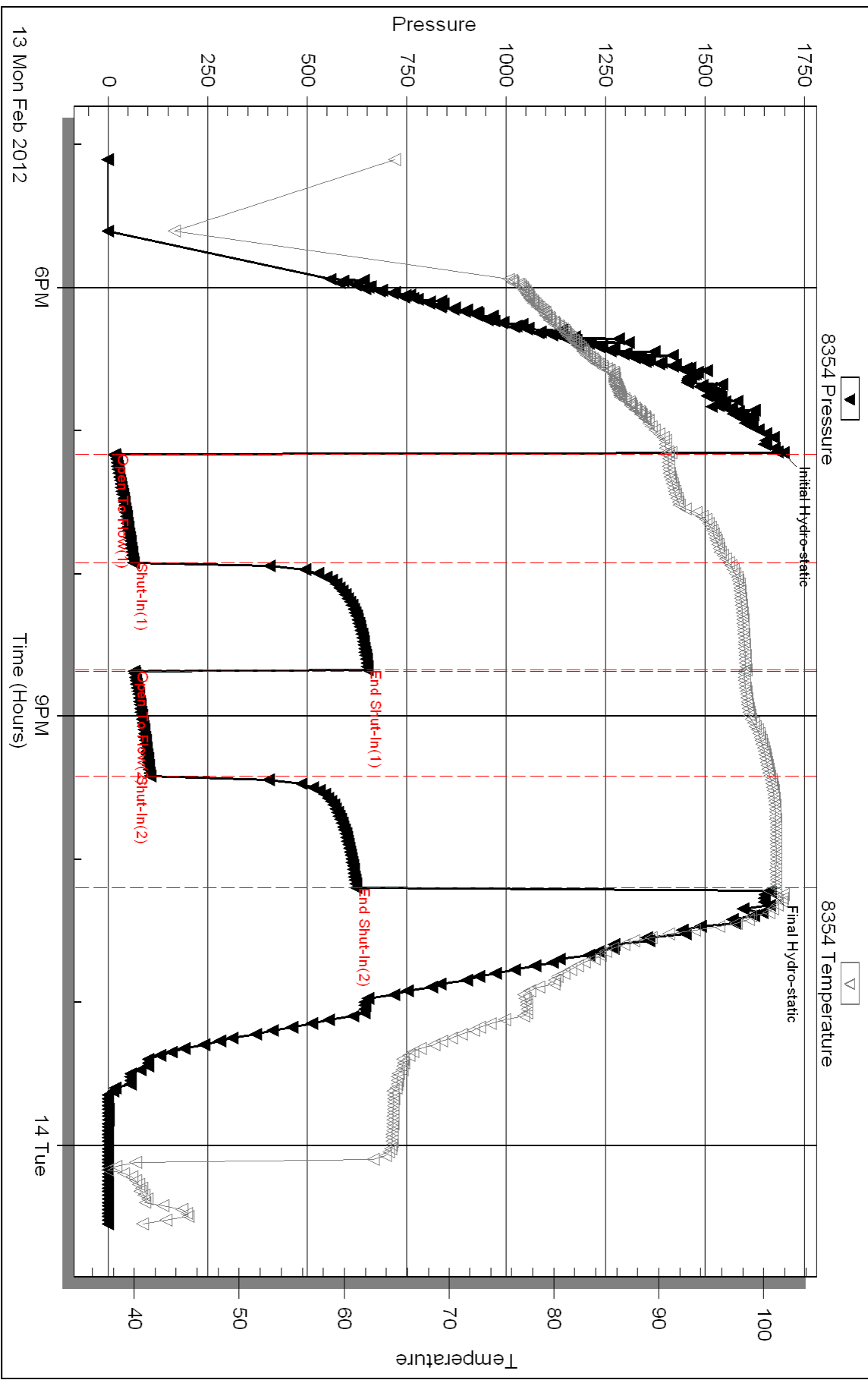
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



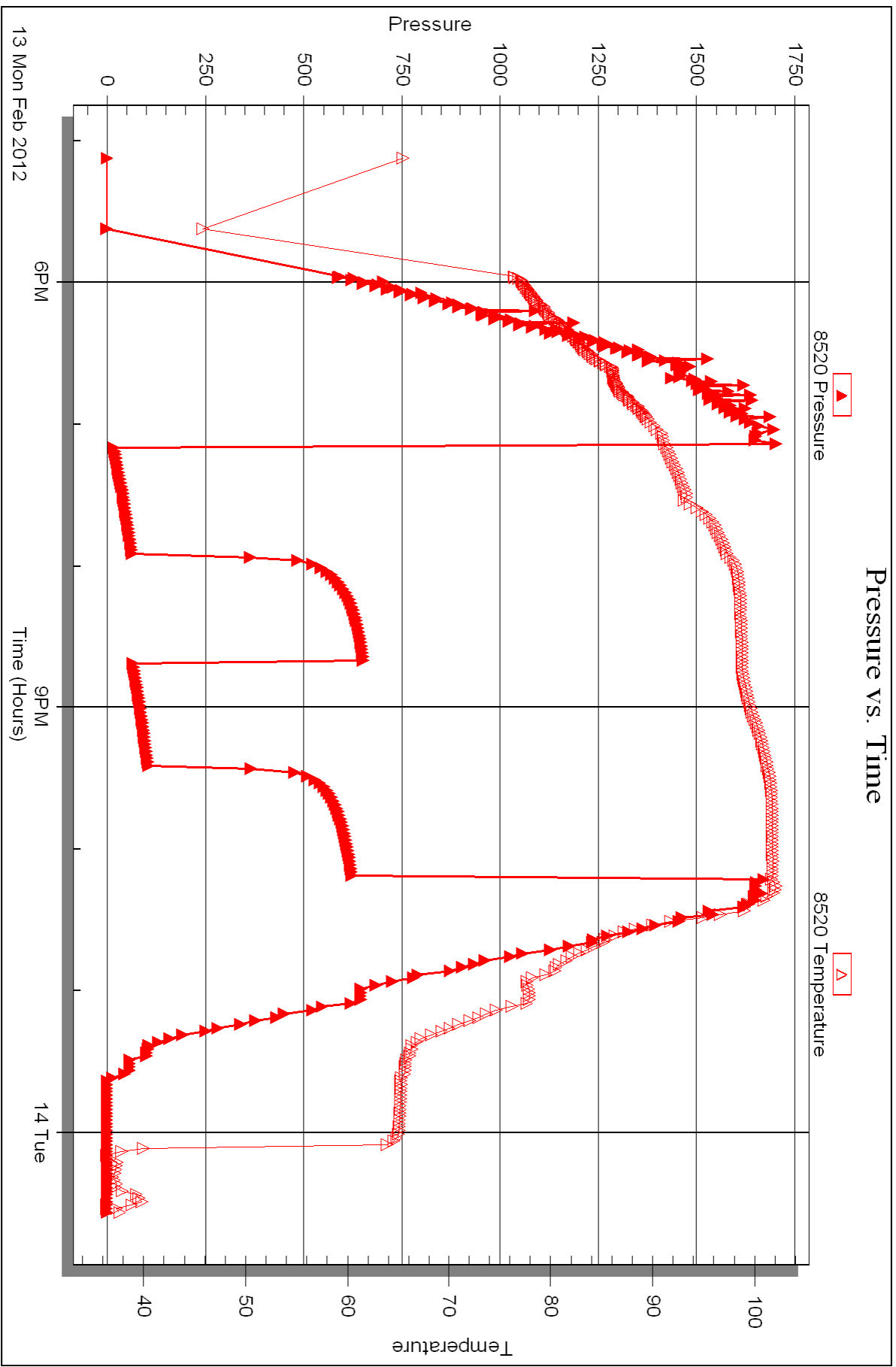
Serial #: 8520

Outside

Investment Equipment, LLC

Eler's #8

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46909

Printed: 2012.02.29 @ 10:07:48



DRILL STEM TEST REPORT

Prepared For: **Investment Equipment, LLC**

17509 County Rd. 14
Ft. Morgan, CO 80701

ATTN: Marc Downing

Eilers #8

27-10s-18w Rooks,KS

Start Date: 2012.02.14 @ 14:01:30

End Date: 2012.02.14 @ 18:14:30

Job Ticket #: 46910 DST #: 2

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

Printed: 2012.02.29 @ 10:07:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

ATTN: Marc Downing

Job Ticket: 46910

DST#: 2

Test Start: 2012.02.14 @ 14:01:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:34:20

Time Test Ended: 18:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3600.00 ft (KB) To 3660.00 ft (KB) (TVD)

Reference Elevations: 2084.00 ft (KB)

Total Depth: 3660.00 ft (KB) (TVD)

2074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 18.63 psig @ 3639.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.14

End Date:

2012.02.14

Last Calib.: 2012.02.14

Start Time: 14:11:30

End Time:

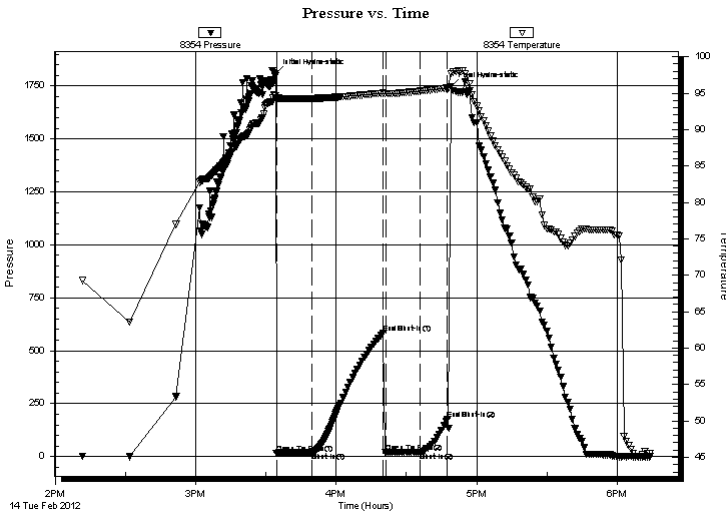
18:14:30

Time On Btm: 2012.02.14 @ 15:34:10

Time Off Btm: 2012.02.14 @ 16:49:00

TEST COMMENT: IF-Weak 1/4 inch blow . Died @ 15 minutes.
ISI-No Return.
FF-Few Bubbles.
FSI-Pulled Tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.23	94.69	Initial Hydro-static
1	16.39	94.10	Open To Flow (1)
16	19.33	94.26	Shut-In(1)
46	583.11	95.00	End Shut-In(1)
47	18.36	94.90	Open To Flow (2)
62	18.63	95.28	Shut-In(2)
74	175.08	95.71	End Shut-In(2)
75	1749.03	97.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Investment Equipment, LLC

17509 County Rd. 14
Ft. Morgan, CO 80701

ATTN: Marc Downing

27-10s-18w Rooks,KS

Eilers #8

Job Ticket: 46910

DST#: 2

Test Start: 2012.02.14 @ 14:01:30

GENERAL INFORMATION:

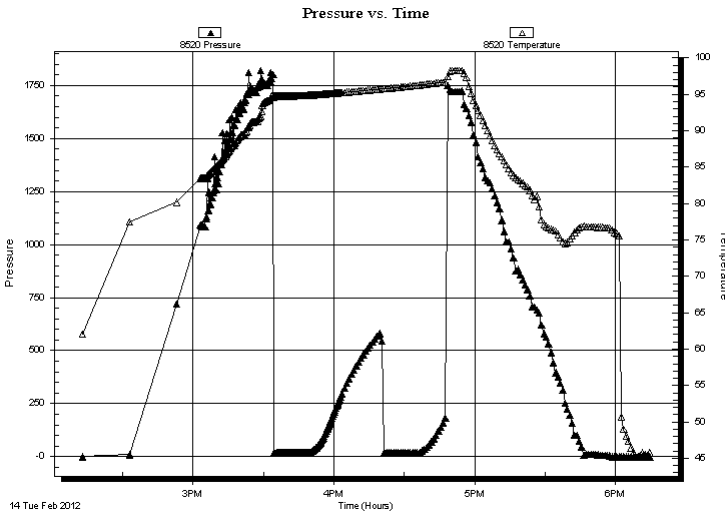
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:34:20
Time Test Ended: 18:14:30
Interval: **3600.00 ft (KB) To 3660.00 ft (KB) (TVD)**
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2084.00 ft (KB)
2074.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 3639.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.02.14 End Date: 2012.02.14 Last Calib.: 2012.02.14
Start Time: 14:13:00 End Time: 18:14:30 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Weak 1/4 inch blow . Died @ 15 minutes.
IS-No Return.
FF-Few Bubbles.
FSI-Pulled Tool

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46910

DST#: 2

ATTN: Marc Downing

Test Start: 2012.02.14 @ 14:01:30

Tool Information

Drill Pipe:	Length: 3588.00 ft	Diameter: 3.80 inches	Volume: 50.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 5000.00 lb
			<u>Total Volume: 50.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3600.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3581.00	
Shut In Tool	5.00			3586.00	
Hydraulic tool	5.00			3591.00	
Packer	5.00			3596.00	20.00 Bottom Of Top Packer
Packer	4.00			3600.00	
Stubb	1.00			3601.00	
Perforations	5.00			3606.00	
Change Over Sub	1.00			3607.00	
Drill Pipe	31.00			3638.00	
Change Over Sub	1.00			3639.00	
Recorder	0.00	8354	Inside	3639.00	
Recorder	0.00	8520	Outside	3639.00	
Perforations	18.00			3657.00	
Bullnose	3.00			3660.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Investment Equipment, LLC

27-10s-18w Rooks,KS

17509 County Rd. 14
Ft. Morgan, CO 80701

Eilers #8

Job Ticket: 46910

DST#: 2

ATTN: Marc Downing

Test Start: 2012.02.14 @ 14:01:30

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

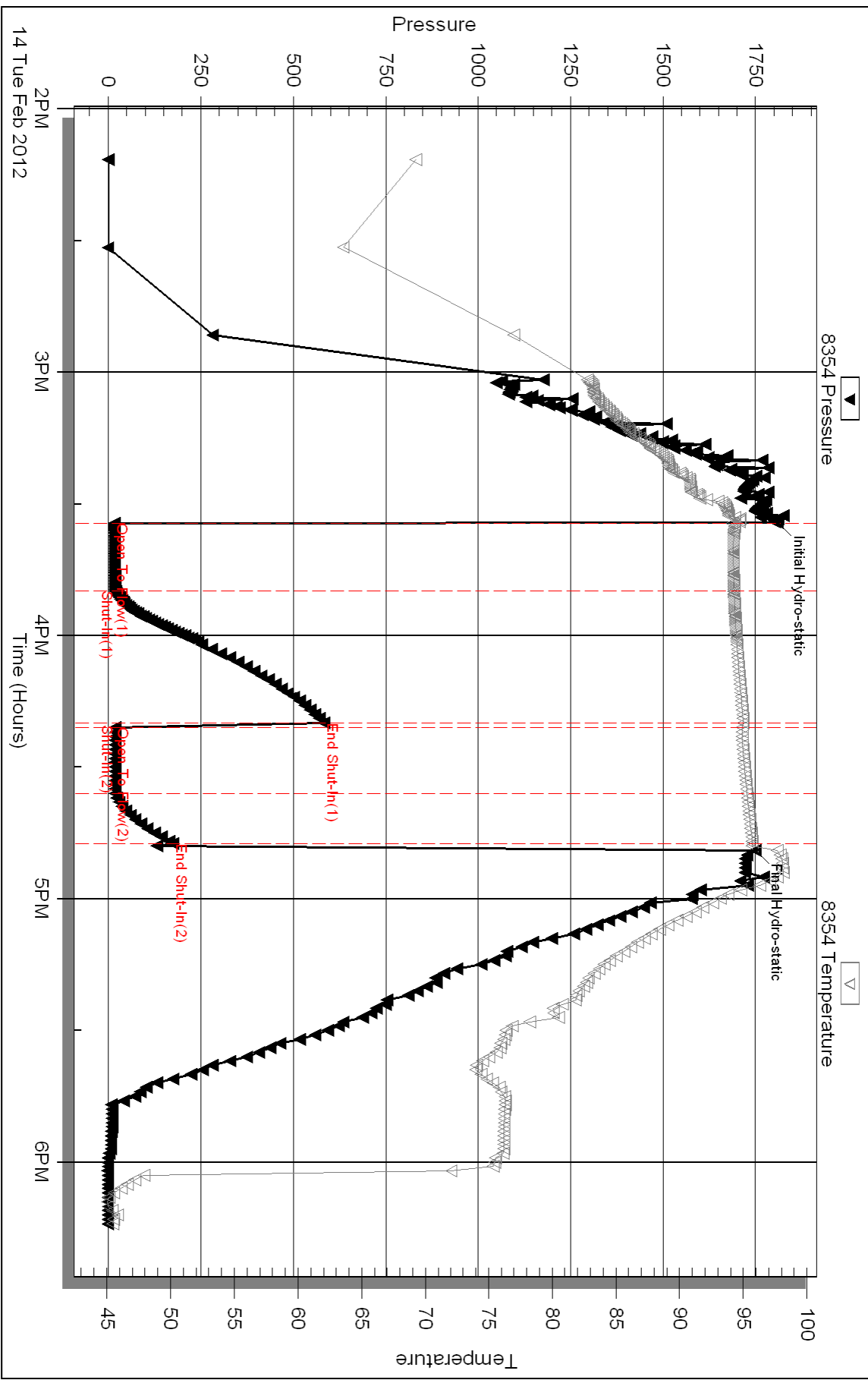
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

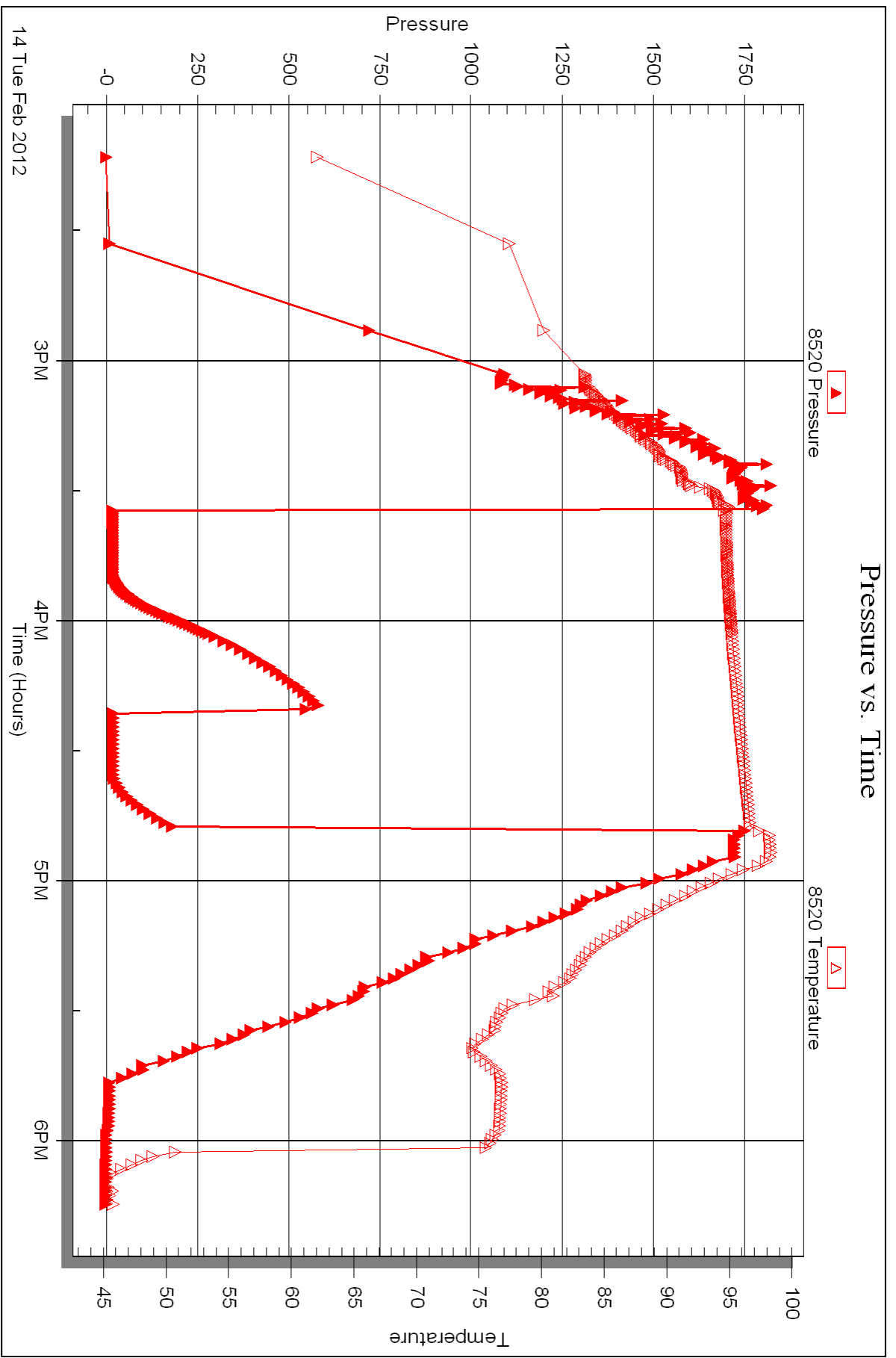


Serial #: 8520

Outside Investment Equipment, LLC

Elers #8

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46910

Printed: 2012.02.29 @ 10:07:11



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 24 2012
BY: _____

Test Ticket

NO. 46909

Well Name & No. Eileus #8 Test No. 1 Date 2-13-12
 Company Investment Equipment, LLC Elevation 2084 KB 2074 GL
 Address 17509 County Rd. 14 Ft. Morgan, CO 80701
 Co. Rep / Geo. Marc Downing Rig Maverick 108
 Location: Sec. 27 Twp. 10S Rge. 18W Co. Rooks State KS

Interval Tested 3437-3498 Zone Tested LKC "H-J"
 Anchor Length 61' Drill Pipe Run 3433 Mud Wt. 8.8
 Top Packer Depth 3432 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 3437 Wt. Pipe Run 0 WL 7.6
 Total Depth 3498 Chlorides 1000 ppm System LCM 2#

Blow Description IF-Very weak building blow, Built to 5 3/4 inches,
JSI- No Return,
EF-Very weak building blow, Built to 5 inches,
FBI- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>67</u>	<u>VSOCM</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u>0</u>
<u>124</u>	<u>VSOCWM</u>	<u>5</u>	<u>45</u>	<u>50</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 191 BHT 101 Gravity 1.25 API RW 1.566 @ 22 °F Chlorides 32000 ppm

(A) Initial Hydrostatic 1696 Test 1125 T-On Location 1530
 (B) First Initial Flow 16 Jars T-Started 1730
 (C) First Final Flow 63 Safety Joint T-Open 1909
 (D) Initial Shut-In 651 Circ Sub T-Pulled 2210
 (E) Second Initial Flow 65 Hourly Standby T-Out 0030
 (F) Second Final Flow 105 Mileage 25X2 70 Comments Barr. 1656
 (G) Final Shut-In 622 Sampler
 (H) Final Hydrostatic 1666 Straddle Ruined Shale Packer

Initial Open 45 Shale Packer Ruined Packer
 Initial Shut-In 45 Extra Packer Extra Copies
 Final Flow 45 Extra Recorder Sub Total 0
 Final Shut-In 45 Day Standby Total 1195
 Accessibility MP/DST Disc't
 Sub Total 1195

Approved By _____

Our Representative D. Rash

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
FEB 24 2012
BY: _____

Test Ticket

NO. 46910

Well Name & No. Eilers #8 Test No. 2 Date 2-14-12
 Company Investment Equipment, LLC Elevation 2084 KB 2074 GL
 Address 17509 County Rd. 14 Ft. Morgan, CO 80701
 Co. Rep / Geo. Marc Downing Rig Maverick 108
 Location: Sec. 27 Twp. 10S Rge. 18W Co. Rooks State KS

Interval Tested 3600-3660 Zone Tested Ambuckle
 Anchor Length 60' Drill Pipe Run 3588 Mud Wt. 9.2
 Top Packer Depth 3595 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3600 Wt. Pipe Run 0 WL 8.8
 Total Depth 3660 Chlorides 3000 ppm System LCM 1.5#
 Blow Description FF- Weak 1/4 inch blow. Dried @ 15 minutes.
ISI- No Return.
FF- Few bubbles
FST- Pulled Tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 98 Gravity 1125 API RW @ 70 °F Chlorides _____ ppm

(A) Initial Hydrostatic 1809 Test 1125 T-On Location 1345
 (B) First Initial Flow 16 Jars _____ T-Started 1415
 (C) First Final Flow 19 Safety Joint _____ T-Open 1534
 (D) Initial Shut-In 583 Circ Sub _____ T-Pulled 1650
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 1815
 (F) Second Final Flow 19 Mileage 25X2 70 Comments Barr=1401
 (G) Final Shut-In 175 Sampler _____
 (H) Final Hydrostatic 1749 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1195
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In Pulled Sub Total 1195

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.



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300

Invoice

DATE	INVOICE #
2/15/2012	21285

BILL TO
Investment Equipment, LLC 17509 County Road 14 Fort Morgan, CO 80701-8904

pd 2-29-12
ck# 10754

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#8	Eilers	Ellis	Maverick Drilling	Oil	Development	Cement LongStri...	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				30	Miles	6.00	180.00
578D-L	Pump Charge - Long String - 3737 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
402-5	5 1/2" Centralizer				7	Each	70.00	490.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
276	Flocele				44	Lb(s)	2.00	88.00T
283	Salt				875	Lb(s)	0.20	175.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				82	Lb(s)	4.00	328.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				274.11	Ton Miles	1.00	274.11
	Subtotal							10,057.61
	Sales Tax Ellis County						6.30%	488.47

We Appreciate Your Business!

Total

\$10,546.08



CHARGE TO: Investment Equipment
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET
 No 21285

PAGE 1 OF 2

1. <u>Hays, Ks</u>	WELL/PROJECT NO. # <u>8</u>	LEASE <u>Eilers</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>Ks</u>	CITY _____	DATE <u>2-15-12</u>	OWNER _____
2. <u>Ness City, Ks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Mascock</u>	RIG NAME/NO. _____	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>S/Plainsville, Ks</u>	ORDER NO. _____	
3. _____	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>infield</u>	JOB PURPOSE <u>Cement Longstring</u>	WELL PERMIT NO. _____	WELL LOCATION _____		
4. _____	REFERRAL LOCATION _____	INVOICE INSTRUCTIONS _____					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113		30 mi			600	180.00
578		1			Pump Change out Longstring		1 ea	3237 ft.		1500.00	1500.00
221		1			Liquid KCL		2 gal			2500	5000
281		1			Mudflush		500 gal			1.25	625.00
402		1			Centrifuges		7 ea	5 1/2 in		70.00	490.00
403		1			Cement Baskets		1 ea	5 1/2 in		250.00	250.00
404		1			Port Collar		1 ea	5 1/2 in		2400.00	2400.00
406		1			Latch Down Plug & Bottle		1 ea	5 1/2 in		250.00	250.00
407		1			Insert Steel Shoe w/ A.B. Ad		1 ea	5 1/2 in		350.00	350.00
290		1			D-Air		2 gal			350.00	700.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Robert P. [Signature]
 DATE SIGNED 2-15-12 TIME SIGNED 1200 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1 PAGE TOTAL	6165.00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	3892.61
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	10057.61
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ellis TAX 6.3%	488.47
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,546.08
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					



PO Box 466.
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 21285

CUSTOMER Investment Equipment WELL #8 Eilers DATE 2-15-12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M			
325		2				Standard Cement	175	SKS	16450	LBS	1350	236250	
276		2				Flare	41	LBS			200	8200	
283		2				Salt	875	LBS			20	17500	
284		2				Calceol	823	LBS	9	SKS	3500	31500	
285		2				CR-1	82	LBS			400	32800	
581		2				SERVICE CHARGE 175 SKS Cement					200	35000	
583		2				MILEAGE CHARGE	18274	LBS	30	LOADED MILES	274.11	27411	

CONTINUATION TOTAL 3892.61

JOB LOG

SWIFT Services, Inc.

DATE 2-15-12 PAGE NO. 1

CUSTOMER Investment Equipment WELL NO. #8 LEASE Eilers JOB TYPE Cement Longstring TICKET NO. 21285

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								70-3738'
	1845					15.5	5 1/2	IN location w/FE - wait on welder for 8 5/8 collar back.
	2115							Start casing to 3737' - 92 JTs - last JT out
								Insert float shoe w/Auto fill
								#0 → NOT NUMBERED 5T-22 @ 3715' = (88 1/2 BBI)
								cut 1-3-5-7-9-11-92 numbers
								P.C #43 @ 1950' Basket Pin and #43
								Drop ball up ball 550cut
	2300							Fin run casing
	2310							start cir
	2345							Fin cir
	2350					8	6	Plug RH-30 SKS MH 20 SKS EA-2cut
	0005	5	12			350		Pump 500gal bleed flush
		6	20			700		Pump 20 BBI KOL Plug
		4 1/2				350		Start 125 SKS EA-2 cut
	0030	4	35			350		Fin cut - Wash out Pump & Lines
	0034	9				500		Start Displ
		9				600		Caught cut - slow rate
		7	70			500		Caught cut - slow rate
		6	80			725		slow rate
		5	85			725		slow rate
	0050	0	88 1/2			750		Plug Down - Buy Hold - Release & Hold
						1400		Washup PT
								Rackup
	0130							Job Complete
								<i>Traveller</i>
								Alan, Brown & Kib.

Marc Downing
 Consulting Petroleum Geologist
 1411 Washington Circle
 Hays, Ks 67601
 Phone: 620-428-1356 (cell) 785-621-2286

**GEOLOGIC
 REPORT
 LOG**

COMPANY Investment Equipment LLC

10s	18w
27	

RECEIVED
 JUL 05 2012

WELL Eilers # 8

FIELD Eilers

KCC WICHITA

LOCATION 330' FNL + 2310' FNL

Arbuckle + LKC

SEC. 27 TWP. 10s RGE. 18w

ELEVATION KB 2085

COUNTY Rooks

GL 2076

STATE Kansas

Drilling Measured From: KB

Samples Saved From 3050 To: TD

Drilling Time From 2950 To: TD

Samples Examined From: 3050 To: TD

OPERATOR Investment Equipment LLC

Geological Supervision From 2950 To Total Depth

CONTRACTOR Maverick, Rig #108

Wellsite Geologist Marc Downing

COM: _____ COMP: 2-15-12

Electrical Surveys Log-Tech

CASING RECORD

SURF: 8 5/8" @ 270' PROD: 5 1/2" @ 3737'

CNL/COL

TOTAL DEPTH DRILLERS: 3737'

DIL

TOTAL DEPTH LOG: 3738'

MEL

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	NA	1429	+656	+3
Base Anhydrite	NA	1462	+623	NA
Topeka	3060	3058	-973	-1
HEEBNER	3276	3275	-1190	FL
Toronto	3291	3290	-1205	+1
LKC	3319	3317	-1232	-2
BKC	3533	3534	-1449	NA
Conglomerate	3559	3559	-1474	FL
Simpson Dol.	3622	3624	-1539	NA
Arbuckle	3654	3656	-1571	+2

REFERENCE WELL FOR STRUCTURE B&H Oil Properties

Eilers West #1

SE-NE-NW

Sec. 27-10s-18w

LEGEND



Anhydrite



Salt



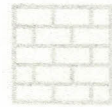
Sandstone



Shale



Carbonate



Limestone



Coal/Lime



Chert



Dolomite

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases



5" 10" 15" 20" 25"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

SMCHS TIC

REMARKS

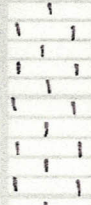
2950

Topeka
3060(-975)

50



Sh: ggy

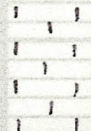


LS: tan-whit, fin xln,
prx + dms. Scot foss
w/ depth, few sub xln ex.

3100



Sh: ggy



LS: whit, fin-med xln, sub
xln w/ few foss. Mostly
dms w/ prx



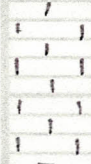
Sh: dk ggy



Sh: ggy



LS: whit-tan, fin xln, All
prx + dms.



LS: whit, fin xln, sub xln,
ex tang dolomitic in prx,
prx, dms, ns.

50



Sh: ggy w/ br



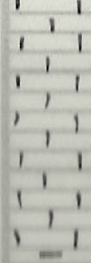
LS: wht, fin xln, foss. fr Amt
dolom LS, ns



Sh: Black Carb



Sh: ggy

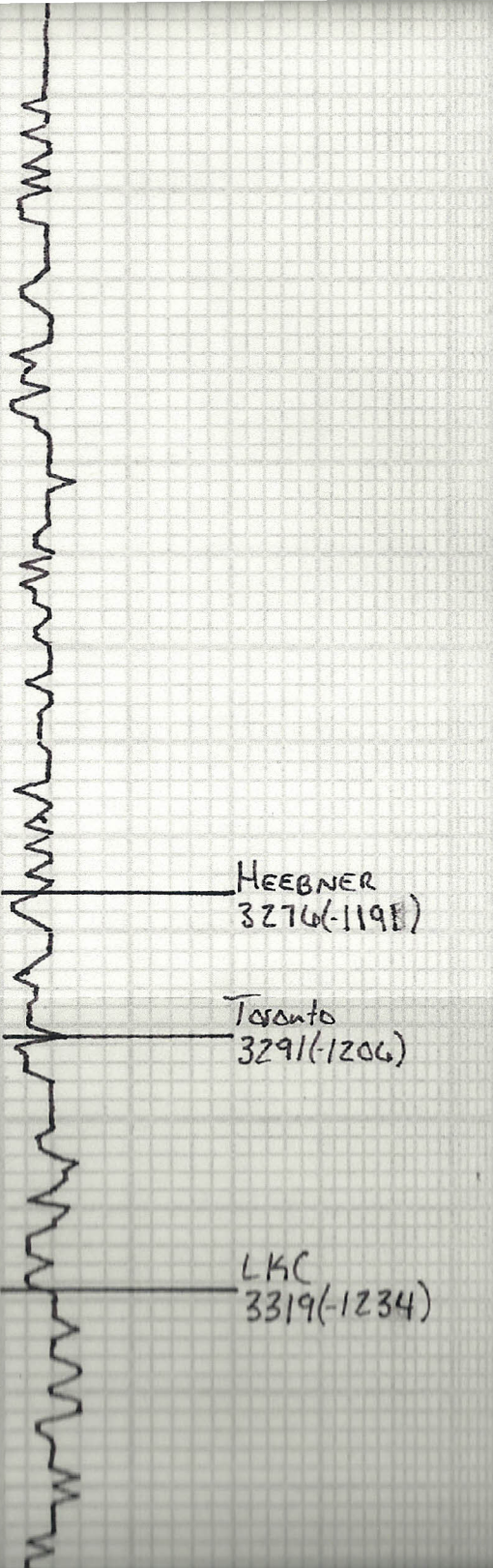


LS: whit, fin-vfin xln,
All vprx + totally
barren, ns.

3200



Sh: ggy



3200

All v. prog + totally barren, NS.

Sh: gy

Sh: Black Carb

Sh: gy
 LS: wht, fm-mid xln, foss. Mostly subxln-chlky, 1-2 rx ul Fr str + sfo in gd int foss, No Od. Scat gry-bn foss onto.

50

Sh: gy
 LS: wht, fm-mid xln, scat foss, Fr int foss, subxln, pr hvy str + sfo, No Od.

LS: wht, fm-mid xln, scat foss, long sltly intld, subxln-chlky. Totally barren. Trng v chlky ul depth, gry chnto, Fr Od.

HEEBNER
3276(-119E)

Sh: Black Carb

Toronto
3291(-120G)

Sh: gy

LS: wht, fm xln, few sm l foss, Fr gd int xln, many subxln chlky ex. Scat lt bn str, rare sfo, lt-fr Od.

3300

Sh: gy - lt gy

LS: wht, fm-vfm xln, v dms, No visk, NS.

LKC
3319(-1234)

LS: wht-fan, fm-mid xln, foss. 3-4 rx ul Fr int xln + vrgk, Fr sfo, no Od.

Sh: gy

LKC
3319(1234)

50

Sh: 5/8 - 1/8 gr

LS: wht, Fu-vFu xln, v dms,

No visk, NS.

LS: wht-tan, Fu-mid xln, foss.

3-4 rx w/ Fr int xln + vugx,
Fr SFO, NO Od.

Sh: gr

LS: wht, Fu xln, Fu-mid xln,
mostly prx + dms. 2-3 rx w/
Fr stn w/ spthd SFO, dclm in
prt, NO Od.

Sh: gr

LS: tan-wht, Mostly dms, 2-3
rx w/ pr vugx w/ spthd SFO,
rest barren, NO Od.

Sh: Black Carb

3400

LS: wht, Fu xln, dms. 1-2
rx w/ lt stn, NSFO, NO Od.

LS: wht-lt tan, md xln, dclm
w/ few foss. gd int xln, 3-4 rx
w/ gd sat + frsfo, 3-4 rx w/ dclm
blk stn, Fr Od.

LS: wht, Fu-vFu xln, v
dms, NO visk, Totally
barren. Seat torn
chnto.

Sh: Black Carb

50

LS: wht-lt tan, md xln, Fr
vugx, sltly fite. 2-3 rx w/
Fr stn + spthd SFO, lt-Fr Od.

LS: wht, Fu xln, mostly dms,
prx, NS.

Sh: dk gr
LS: wht-lt tan, md xln, seat resp.

Vis: 47 Lt: 8.8

Ost #1

3437-3498

45-45-45-45

I.F. - 5 3/4" blow

F.F. - 5" blow

IFP: 16-63

FFP: 65-105

SIP: 651-622

HP: 1696-1666

Rec:



LS: wht, Fu-vFu xln, v
dms, No vis, Totally
barren. Seat torn
into.

Sh: Black Carb

LS: wht-lt tan, md xln, Fr
vugs, sltly fite. 2-3 rx w/
Fr stn + spttd SFO, lt-Fr Od.

LS: wht, Fu xln, mostly dms,
ppx, NS.
Sh: drk gr
LS: wht-lt tan, md xln, seat fass
Fr-gd vugs w/ gd sat stn, Fr-gd
SFO. Fr Amt subxln- chunky ex. lt-
Fr Od, 1-2 drops free oil on exp.

Sh: brn-gr
LS: wht-lt tan, sltly dlatm w/lt
few fass, pr-Fr int fass + ppx,
lt brn stn, rare spttd SFO, Fr
Od.

Sh: Black Carb

LS: wht, Fu xln, mostly dms
+ barren. 2-3 rx w/ Fr stn +
spttd SFO in pr ppx, v dms mtr
lt Od.

Sh: Black Carb

LS: wht, Fu-md xln, mostly sub
xln, 2-3 rx w/ spttd SFO, No Od,
mostly barren.

Sh: gr

LS: wht, Fu-md xln, pr ppx w/lt
Fr stn, spttd SFO, No Od.

Sh: gr

LS: wht, Fu-vFu xln, subxln
in prt. 2-3 rx w/ Fr stn w/ vug
SFO, few fass, lt-Fr Od.

LS: few pct AIA, frng barren

Fr amt wht shp + fresh
stn. Seat alternate

Vis: 47 Wt: 8.8

OST #1

3437-3498

45-45-45-45

I.F.- 5 3/4" blow

F.F.- 5" blow

I.F.P.- 14-43

F.F.P.- 65-105

S.I.P.- 651-622

H.P.- 1696-1666

Rec:

67' sacm 5%o

124' sacum 5%o, 45%w

BHT: 101° Chlor: 32K

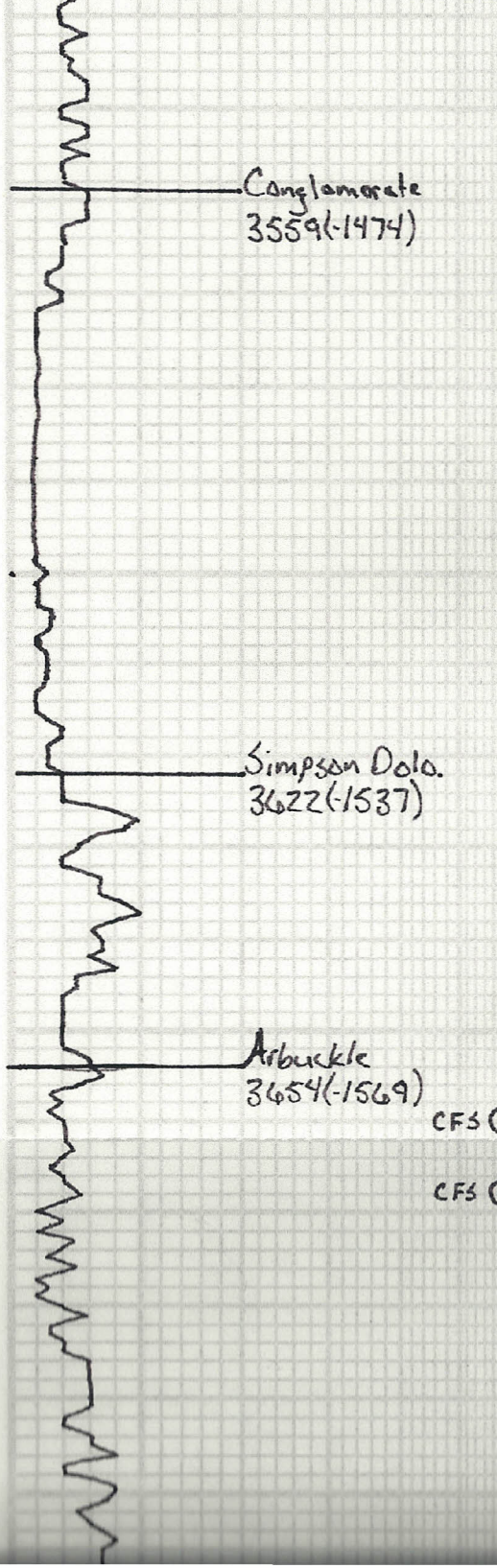
50

CFS @ 3500

BKC
3533(-1448)

50

Conglomerate
3589(-1474)



50

Conglomerate
3559-1474

3600

Simpson Dolo.
3622-1537

50

Arbuckle
3654-1569

CFS ⊙

CFS ⊙

3700

Sh: grg

LS: wht, Fu-mnd xln, pr pps w/ Fr str, settl SFO, No Od.

Sh: grg

LS: wht, Fu-vfn xln, sub xln in prt. 2-3 ex w/ Fr str wavy SFO, Few Fass, It-Fnt Od.

LS: Few pcs AIA, Frng barren.

Fr amt wht shp + fresh chrt, Scat gilsonite str in chrt, All NSFO, No Od.

Dolo: wht-clr, Fu-mnd suc xln, Fr-gd intxln w/ gd vng & some total sat w/ gd-vgd SFO, stly vng, Fnt Od.

Sh: grg

LS: tan, Fu xln, Few pcs dirty SS, Fr sort, sub ind, NS.

Sh: much grg w/ Fr amt foug.

Dolo: tan-wht, Fu-vfn suc xln, gd intxln, vgd sat w/ gd SFO, Tong and Fr vng, gd stue SFO, It Od, Much str.

Dolo: tan, Fu-vfn xln w/ scat suc xln, 5-4 ex w/ Fr-gd vng, fite vng, gd sat w/ gd SFO, some w/ oil filled vngs, Fr-gd Od.

Dolo: tan, Frng md rhom xln, gd intxln w/ sm/ vngs, gd sat str w/ gd SFO, Fr-gd Od.

Dolo: Tong wht, Fu-mnd rhom xln, suc in prt. Fr Amt chky ex, mostly barren, Fnt Od.

Dolo: wht, Fu-mnd rhom xln, mostly fite w/ prgs. Fr amt wht chrt, Mostly barren.

Via: 49 Wt: 9.2

DST #2

3600-3660

15-30-15-12

I.F.: 1/4", died 15 min

F.F.: Few bubbles

I.F.P.: 16-19

F.F.P.: 14-19

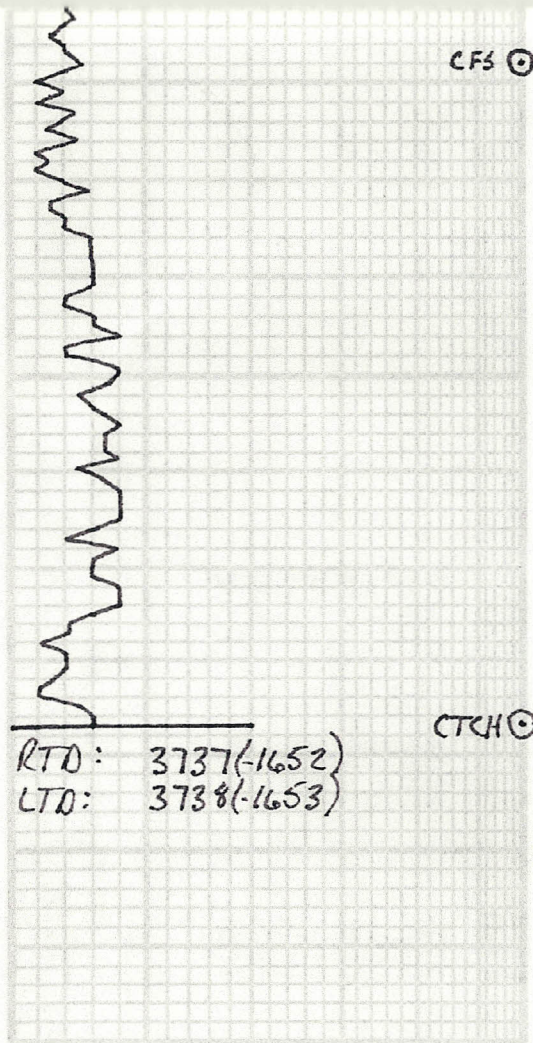
SIP: 583-175

HP: 1809-1749

Rec:

5' und

BHT: 98°



CFS

3700

CTCH

RTD: 3737(-1652)
LTD: 3738(-1653)

50

5-4 rx ul Fr-gd vngs, fite vntx. gd sat
ul gd sfo, same ul oil filled vngs,
Fr-gd Od.

Dala: tan, tung mid rhom xln, gd
intchgd ul sm/ vngs. gd sat etn ul
gd sfo, Fr-gd Od.

Dala: Tung wht, fu-ud rhom
xln, sac in prt. Fr Amt chky
rx, mostly barren, Fut Od.

Dala: wht, fu-ud rhom xln,
mostly fite ul prs. Fr amt
wht chks, Mostly barren.
Rx ul pink hue in prt.

Dala: wht, mid. crs rhom xln,
scat gd vngs, barren.

Dala: wht tan, tung gd vngs,
scat sfo in s, Fut-H Od.

Mander