



KANSAS CORPORATION COMMISSION 1149927
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: _____



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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	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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DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas LLC**

1532 S. Peoria Avenue
Tulsa OK 74120

ATTN: Steve Murphy

Dubois #1-36

36-9s-26w Sheridan,KS

Start Date: 2013.03.10 @ 14:30:00

End Date: 2013.03.10 @ 22:36:30

Job Ticket #: 50612 DST #: 1

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

Printed: 2013.03.19 @ 16:42:16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

ATTN: Steve Murphy

Job Ticket: 50612

DST#: 1

Test Start: 2013.03.10 @ 14:30:00

GENERAL INFORMATION:

Formation: **Toronto LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:01:00

Time Test Ended: 22:36:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 39

Interval: 3816.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 48.74 psig @ 3817.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.10 End Date: 2013.03.10

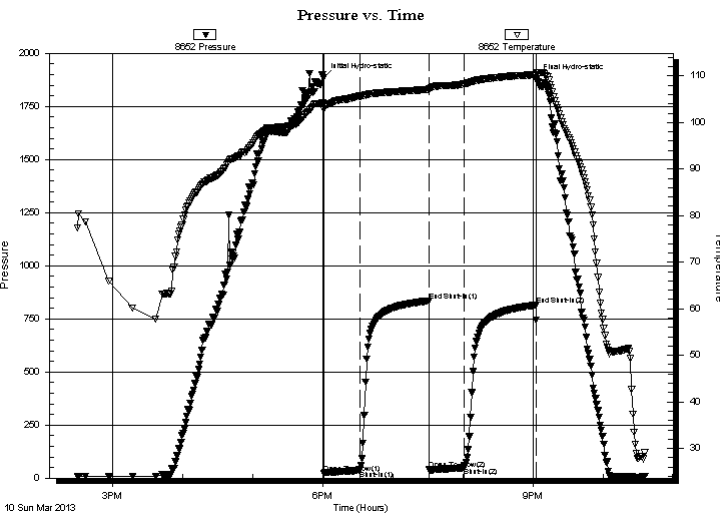
Last Calib.: 2013.03.10

Start Time: 14:30:15 End Time: 22:36:30

Time On Btm: 2013.03.10 @ 18:00:45

Time Off Btm: 2013.03.10 @ 21:03:15

TEST COMMENT: 30 IF - Surface blow built to 4 1/2" @ 25 mins died back to 3 1/2"
60 ISI - No return
30 FF - Surface blow started @ 1 min built to 3"
60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.97	104.00	Initial Hydro-static
1	23.66	102.74	Open To Flow (1)
31	36.55	105.63	Shut-In(1)
90	834.40	107.09	End Shut-In(1)
91	39.58	106.80	Open To Flow (2)
121	48.74	108.28	Shut-In(2)
182	814.83	110.31	End Shut-In(2)
183	1882.53	110.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	MCW w/oil spots - 30%M - 70%W	0.70
10.00	MCO - 10%M - 90%o	0.14

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC
 1532 S. Peoria Avenue
 Tulsa OK 74120
 ATTN: Steve Murphy

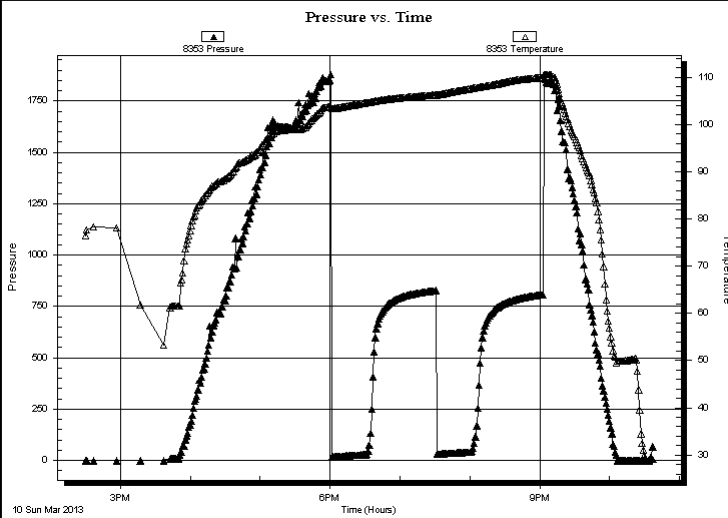
36-9s-26w Sheridan, KS
Dubois #1-36
 Job Ticket: 50612 **DST#: 1**
 Test Start: 2013.03.10 @ 14:30:00

GENERAL INFORMATION:

Formation: **Toronto LKC "A"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:01:00 Tester: Ryan Nichols
 Time Test Ended: 22:36:30 Unit No: 39
Interval: 3816.00 ft (KB) To 3860.00 ft (KB) (TVD) Reference Elevations: 2607.00 ft (KB)
 Total Depth: 3860.00 ft (KB) (TVD) 2599.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8353 Outside
 Press @ Run Depth: psig @ 3817.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.10 End Date: 2013.03.10 Last Calib.: 2013.03.10
 Start Time: 14:30:15 End Time: 22:36:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 IF - Surface blow built to 4 1/2" @ 25 mins died back to 3 1/2"
 60 ISI - No return
 30 FF - Surface blow started @ 1 min built to 3"
 60 FSI - No return



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

Recovery		
Length (ft)	Description	Volume (bbl)
50.00	MCW w/oil spots - 30%M - 70%W	0.70
10.00	MCO - 10%M - 90%o	0.14

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50612

DST#: 1

ATTN: Steve Murphy

Test Start: 2013.03.10 @ 14:30:00

Tool Information

Drill Pipe:	Length: 3815.00 ft	Diameter: 3.80 inches	Volume: 53.51 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 53.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3816.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3790.00	
Shut In Tool	5.00			3795.00	
Hydraulic tool	5.00			3800.00	
Jars	5.00			3805.00	
Safety Joint	2.00			3807.00	
Packer	5.00			3812.00	27.00 Bottom Of Top Packer
Packer	4.00			3816.00	
Stubb	1.00			3817.00	
Recorder	0.00	8652	Inside	3817.00	
Recorder	0.00	8353	Outside	3817.00	
Perforations	7.00			3824.00	
Change Over Sub	1.00			3825.00	
Drill Pipe	31.00			3856.00	
Change Over Sub	1.00			3857.00	
Bullnose	3.00			3860.00	44.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50612

DST#: 1

ATTN: Steve Murphy

Test Start: 2013.03.10 @ 14:30:00

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:

24000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	MCW w/oil spots - 30%M - 70%W	0.701
10.00	MCO - 10%M - 90%o	0.140

Total Length: 60.00 ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .685 @ 31 Degs. F

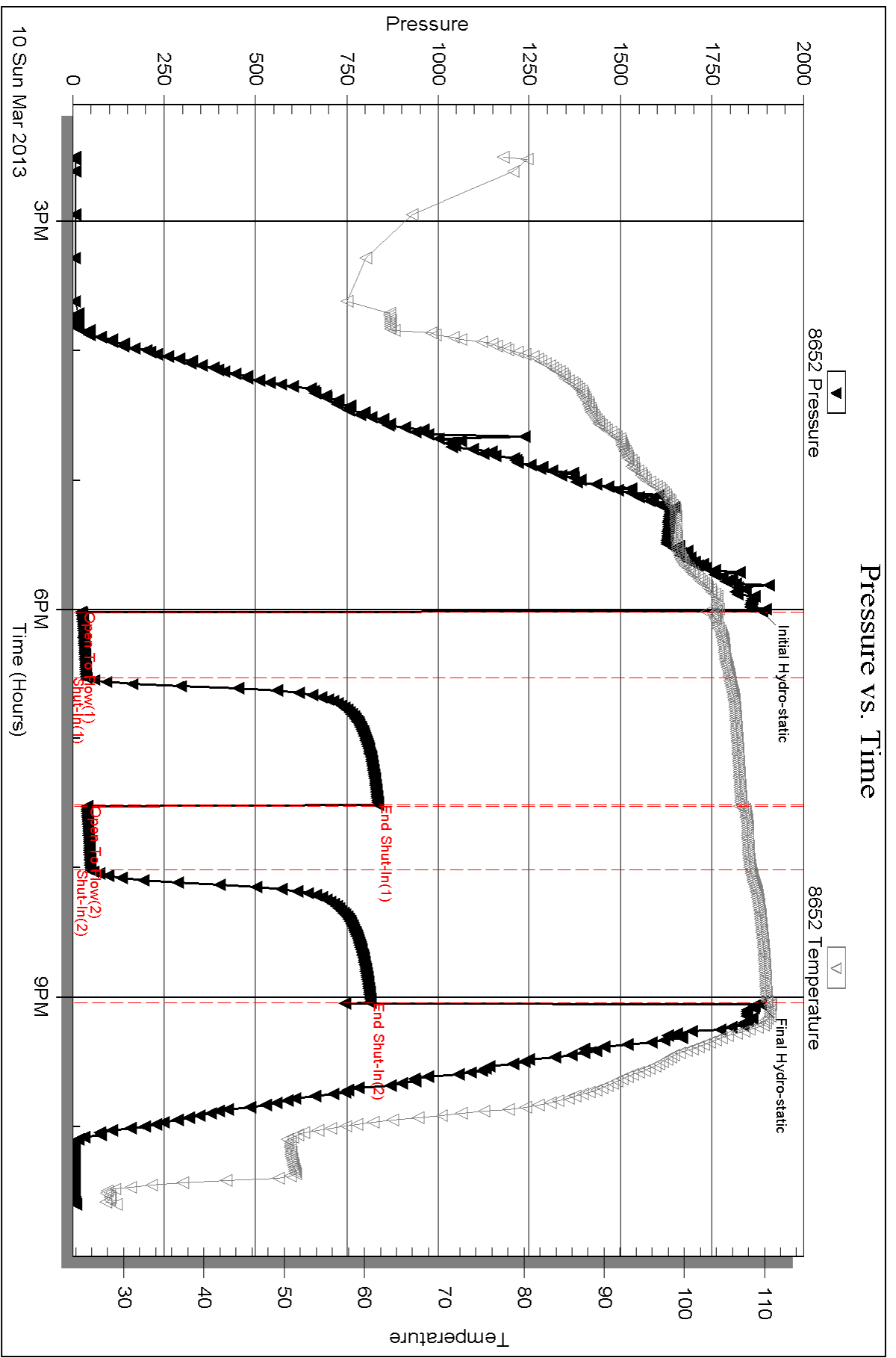
Serial #: 8652

Inside

Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50612

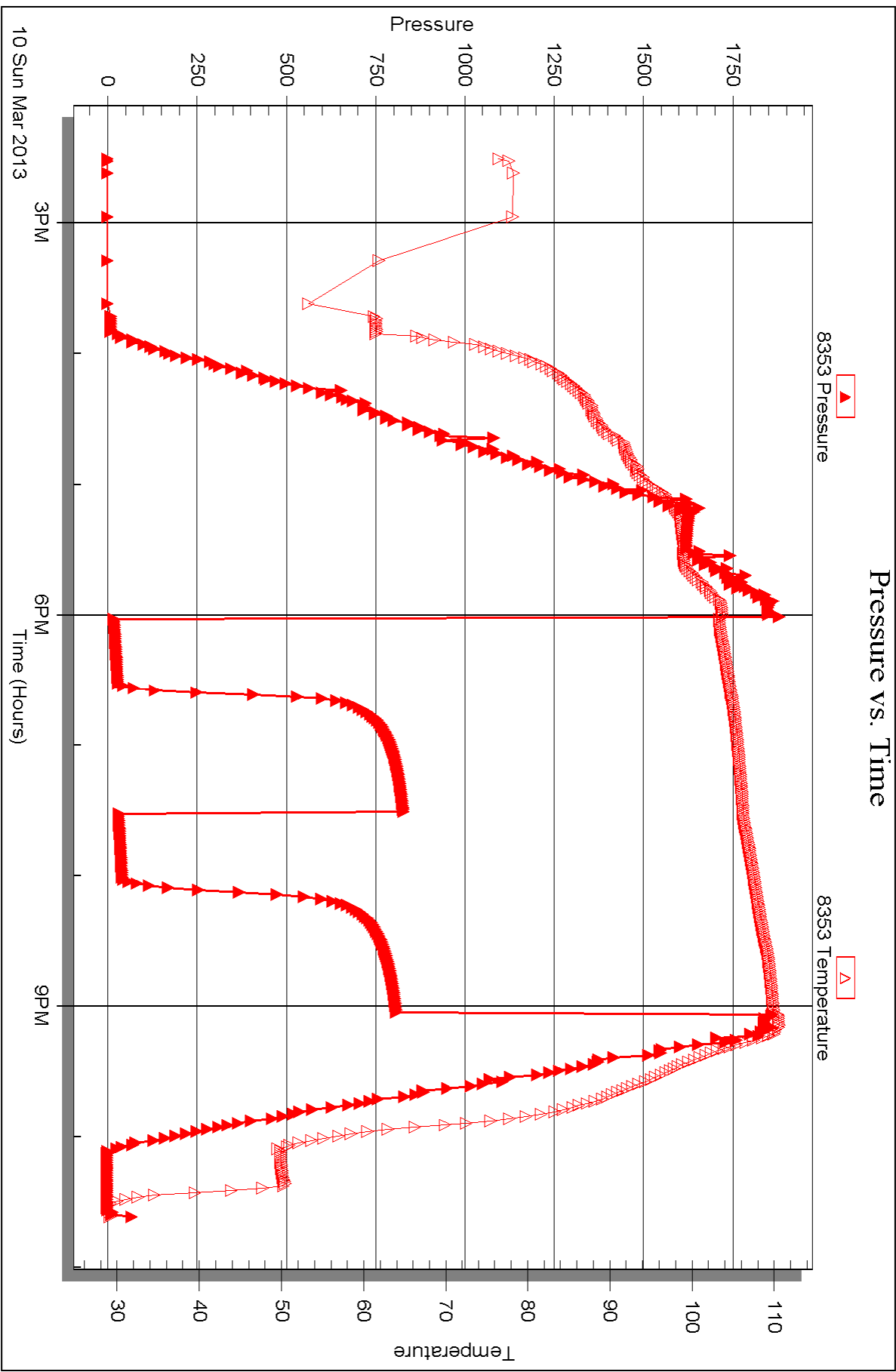
Printed: 2013.03.19 @ 16:42:20

Serial #: 8353

Outside Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas LLC**

1532 S. Peoria Avenue
Tulsa OK 74120

ATTN: Steve Murphy

Dubois #1-36

36-9s-26w Sheridan,KS

Start Date: 2013.03.11 @ 11:35:00

End Date: 2013.03.11 @ 20:00:45

Job Ticket #: 50627 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.19 @ 16:33:33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50627

DST#: 2

ATTN: Steve Murphy

Test Start: 2013.03.11 @ 11:35:00

GENERAL INFORMATION:

Formation: **LKC B,C,D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:56:00

Time Test Ended: 20:00:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: 3878.00 ft (KB) To 3910.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 3910.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8353 Outside

Press @ Run Depth: 142.01 psig @ 3879.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.11

End Date:

2013.03.11

Last Calib.:

2013.03.11

Start Time: 11:35:15

End Time:

20:00:45

Time On Btm:

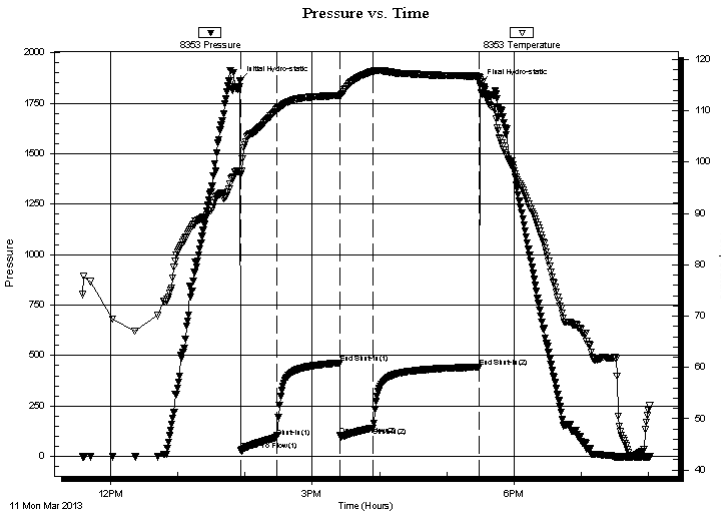
2013.03.11 @ 13:55:30

Time Off Btm:

2013.03.11 @ 17:29:30

TEST COMMENT: 30 IF; BOB in 6 min
60 IS; Built to 6"
30 FF; BOB in 6 min
90 FS; Built to 7.5"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.10	98.24	Initial Hydro-static
1	29.44	97.62	Open To Flow (1)
33	95.20	110.16	Shut-In(1)
89	462.65	112.96	End Shut-In(1)
90	104.05	112.87	Open To Flow (2)
119	142.01	117.70	Shut-In(2)
213	442.41	116.72	End Shut-In(2)
214	1847.59	116.42	Final Hydro-static

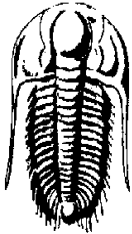
Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOMCW 5%G 15%O 20%M 60%W	0.88
63.00	GOWCM 5%O 10%G 40%W 45%M	0.88
189.00	GO 18%G 72%O	2.65
0.00	350' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC
1532 S. Peoria Avenue
Tulsa OK 74120
ATTN: Steve Murphy

36-9s-26w Sheridan, KS

Dubois #1-36

Job Ticket: 50627

DST#: 2

Test Start: 2013.03.11 @ 11:35:00

GENERAL INFORMATION:

Formation: **LKC B,C,D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:56:00

Time Test Ended: 20:00:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: **3878.00 ft (KB) To 3910.00 ft (KB) (TVD)**

Total Depth: 3910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2607.00 ft (KB)

2599.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8652

Inside

Press @ Run Depth: psig @ 3879.00 ft (KB)

Start Date: 2013.03.11

End Date:

2013.03.11

Start Time: 11:35:15

End Time:

20:00:30

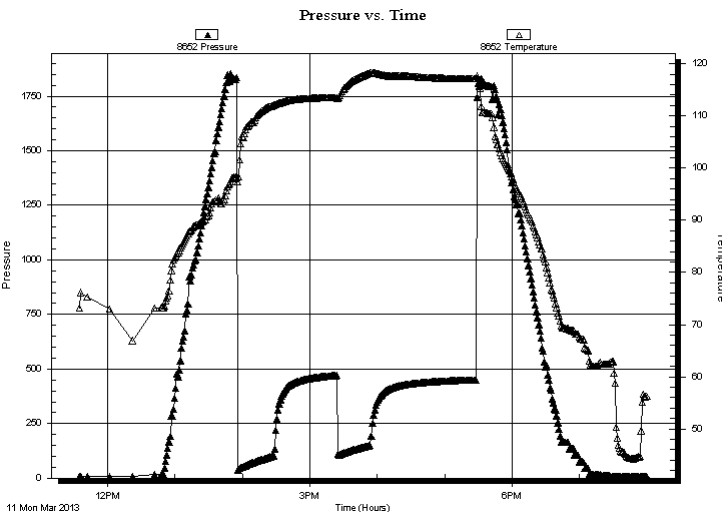
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 IF; BOB in 6 min
60 IS; Built to 6"
30 FF; BOB in 6 min
90 FS; Built to 7.5"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOMCW 5%G 15%O 20%M 60%W	0.88
63.00	GOWCM 5%O 10%G 40%W 45%M	0.88
189.00	GO 18%G 72%O	2.65
0.00	350' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50627

DST#: 2

ATTN: Steve Murphy

Test Start: 2013.03.11 @ 11:35:00

Tool Information

Drill Pipe:	Length: 3878.00 ft	Diameter: 3.80 inches	Volume: 54.40 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3878.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	59.00 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			3852.00	
Shut In Tool	5.00			3857.00	
Hydraulic tool	5.00			3862.00	
Jars	5.00			3867.00	
Safety Joint	2.00			3869.00	
Packer	5.00			3874.00	27.00 Bottom Of Top Packer
Packer	4.00			3878.00	
Stubb	1.00			3879.00	
Recorder	0.00	8652	Inside	3879.00	
Recorder	0.00	8353	Outside	3879.00	
Perforations	28.00			3907.00	
Bullnose	3.00			3910.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50627

DST#: 2

ATTN: Steve Murphy

Test Start: 2013.03.11 @ 11:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 35.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 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 bbbl
63.00	GOMCW 5%G 15%O 20%M 60%W	0.884
63.00	GOWCM 5%O 10%G 40%W 45%M	0.884
189.00	GO 18%G 72%O	2.651
0.00	350' GIP	0.000

Total Length: 315.00 ft Total Volume: 4.419 bbl

Num Fluid Samples: 0

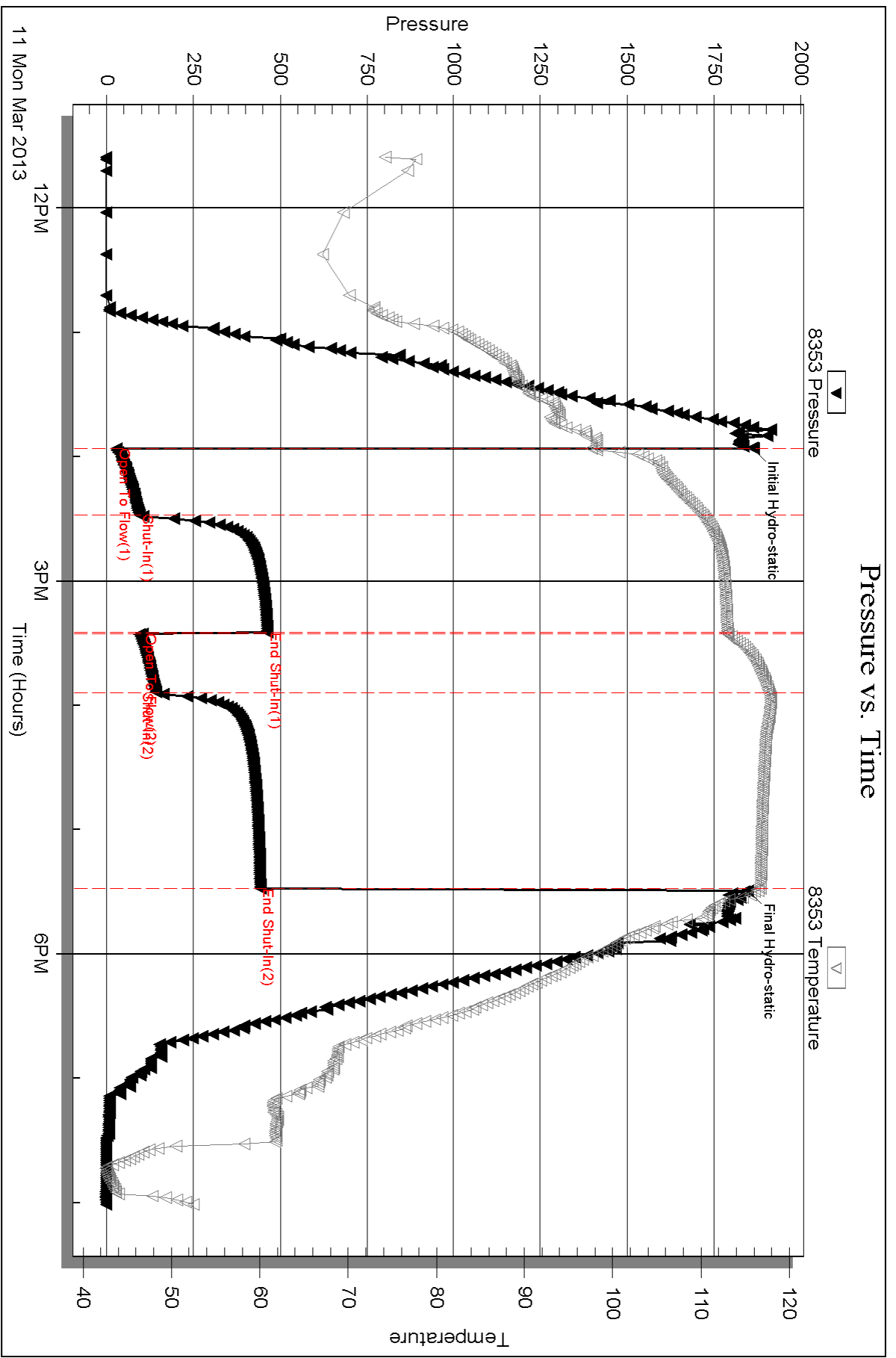
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 35@59 DEG F=34.9



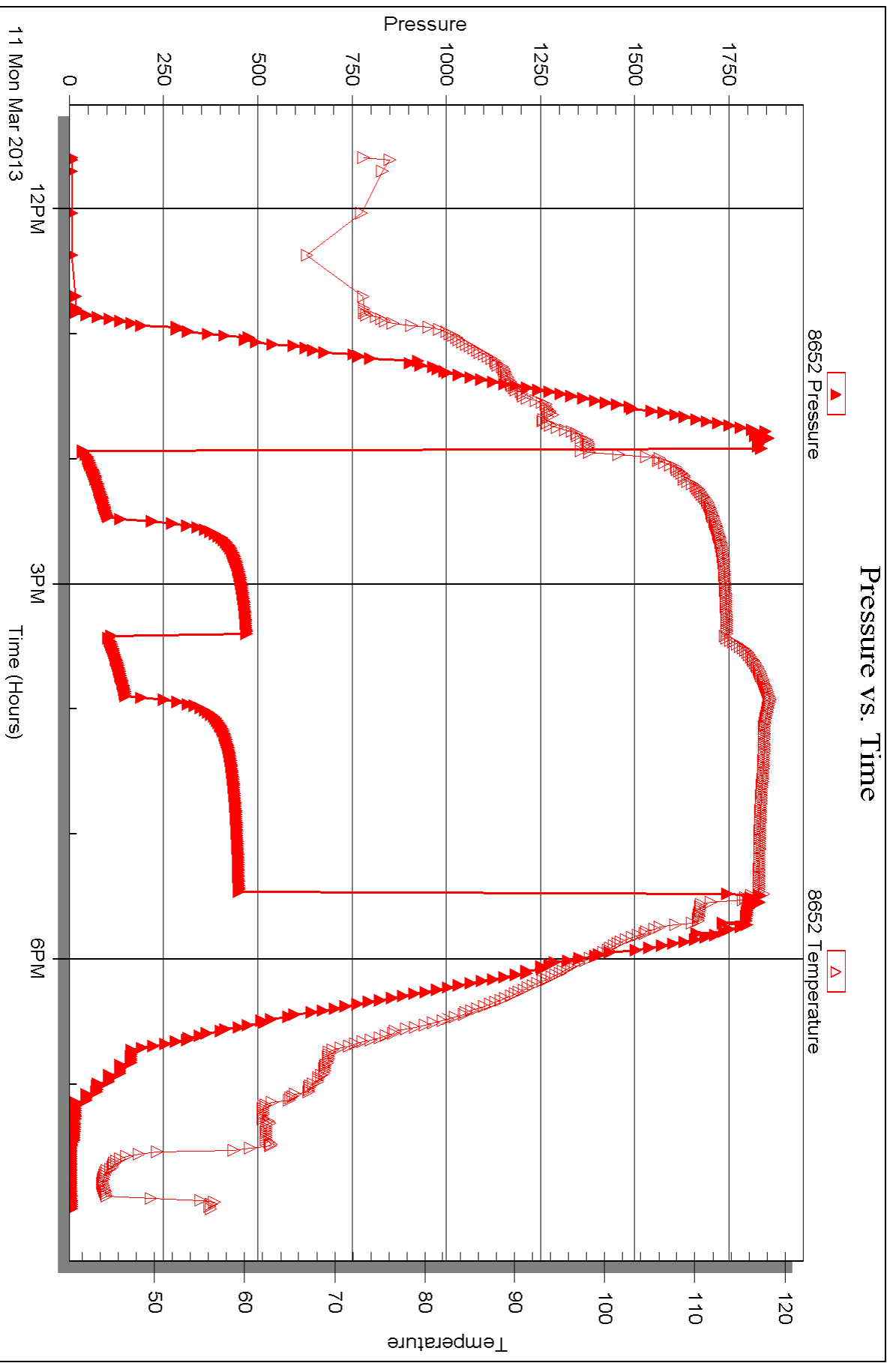
Serial #: 8652

Inside

Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50627

Printed: 2013.03.19 @ 16:33:36



DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas LLC**

1532 S. Peoria Avenue
Tulsa OK 74120

ATTN: Steve Murphy

Dubois #1-36

36-9s-26w Sheridan,KS

Start Date: 2013.03.12 @ 02:15:00

End Date: 2013.03.12 @ 09:31:00

Job Ticket #: 50628 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.19 @ 16:31:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

ATTN: Steve Murphy

Job Ticket: 50628

DST#: 3

Test Start: 2013.03.12 @ 02:15:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:15:30

Time Test Ended: 09:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: 3916.00 ft (KB) To 3930.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 3930.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8353 Outside

Press @ Run Depth: 13.08 psig @ 3917.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.12 End Date: 2013.03.12

Last Calib.: 2013.03.12

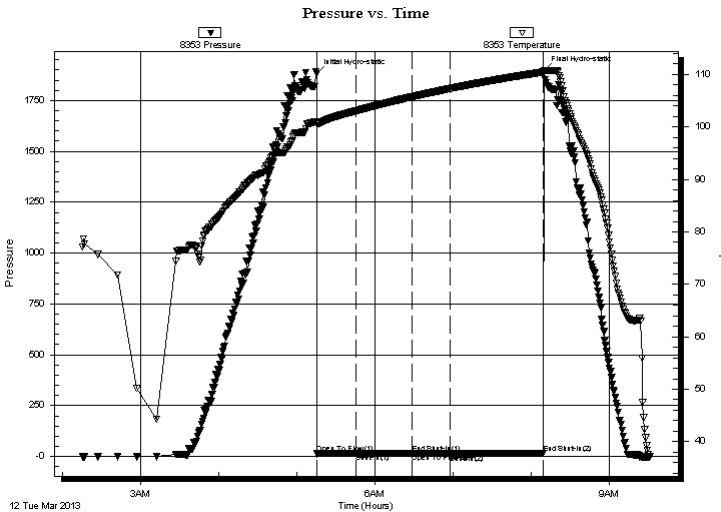
Start Time: 02:15:15 End Time: 09:31:00

Time On Btm: 2013.03.12 @ 05:15:00

Time Off Btm: 2013.03.12 @ 08:09:45

TEST COMMENT: 30 IF; Built to 1/2"
45 IS; No Blow
30 FF; No Blow
60 FS; No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.15	100.89	Initial Hydro-static
1	13.86	100.54	Open To Flow (1)
30	14.74	103.06	Shut-In(1)
73	15.50	105.73	End Shut-In(1)
74	14.07	105.75	Open To Flow (2)
103	13.08	107.32	Shut-In(2)
174	15.14	110.47	End Shut-In(2)
175	1897.80	110.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 1%O 99%M	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan, KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

ATTN: Steve Murphy

Job Ticket: 50628

DST#: 3

Test Start: 2013.03.12 @ 02:15:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:15:30

Time Test Ended: 09:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: 3916.00 ft (KB) To 3930.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 3930.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8652

Inside

Press @ RunDepth: psig @ 3917.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.12

End Date:

2013.03.12

Last Calib.:

2013.03.12

Start Time: 02:15:15

End Time:

09:30:45

Time On Btm:

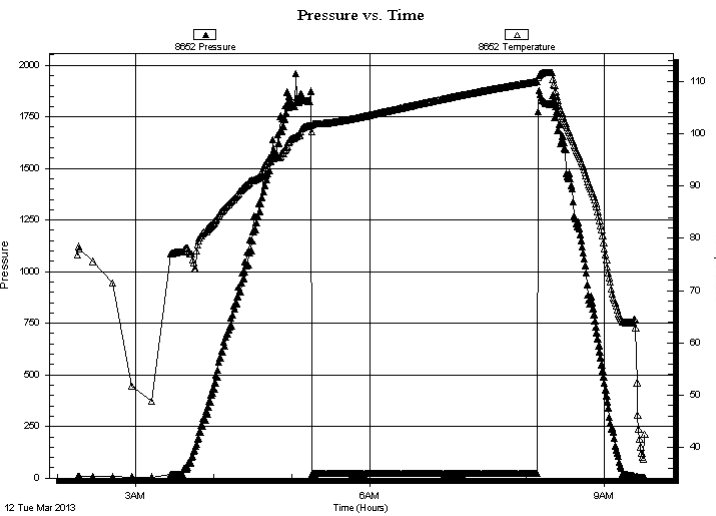
Time Off Btm:

TEST COMMENT: 30 IF; Built to 1/2"

45 IS; No Blow

30 FF; No Blow

60 FS; No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 1%O 99%M	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50628

DST#: 3

ATTN: Steve Murphy

Test Start: 2013.03.12 @ 02:15:00

Tool Information

Drill Pipe:	Length: 3910.00 ft	Diameter: 3.80 inches	Volume: 54.85 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 54.85 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3916.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3890.00	
Shut In Tool	5.00			3895.00	
Hydraulic tool	5.00			3900.00	
Jars	5.00			3905.00	
Safety Joint	2.00			3907.00	
Packer	5.00			3912.00	27.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Recorder	0.00	8652	Inside	3917.00	
Recorder	0.00	8353	Outside	3917.00	
Perforations	10.00			3927.00	
Bullnose	3.00			3930.00	14.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50628

DST#: 3

ATTN: Steve Murphy

Test Start: 2013.03.12 @ 02:15:00

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: 35.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 1%O 99%M	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

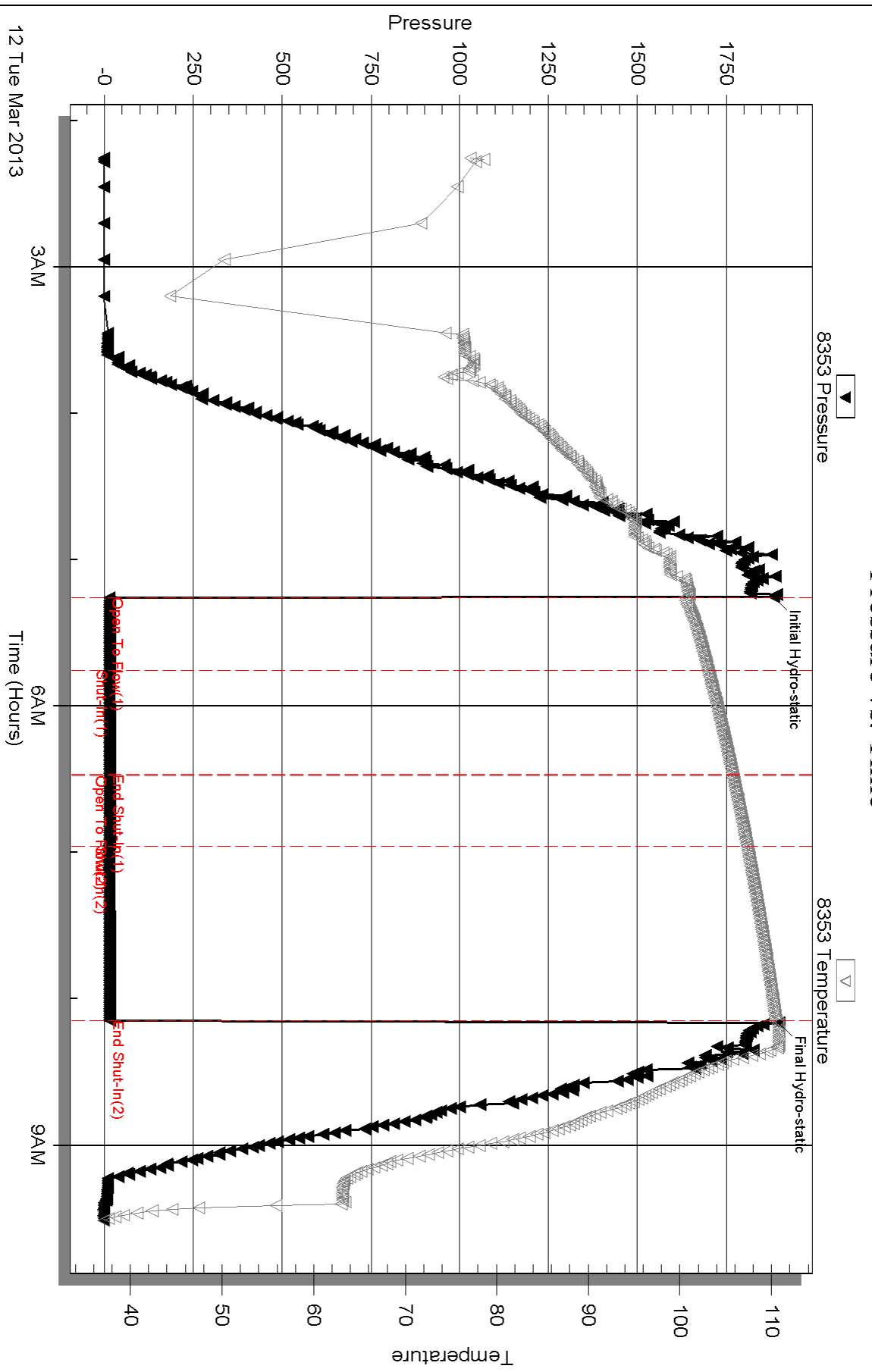
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



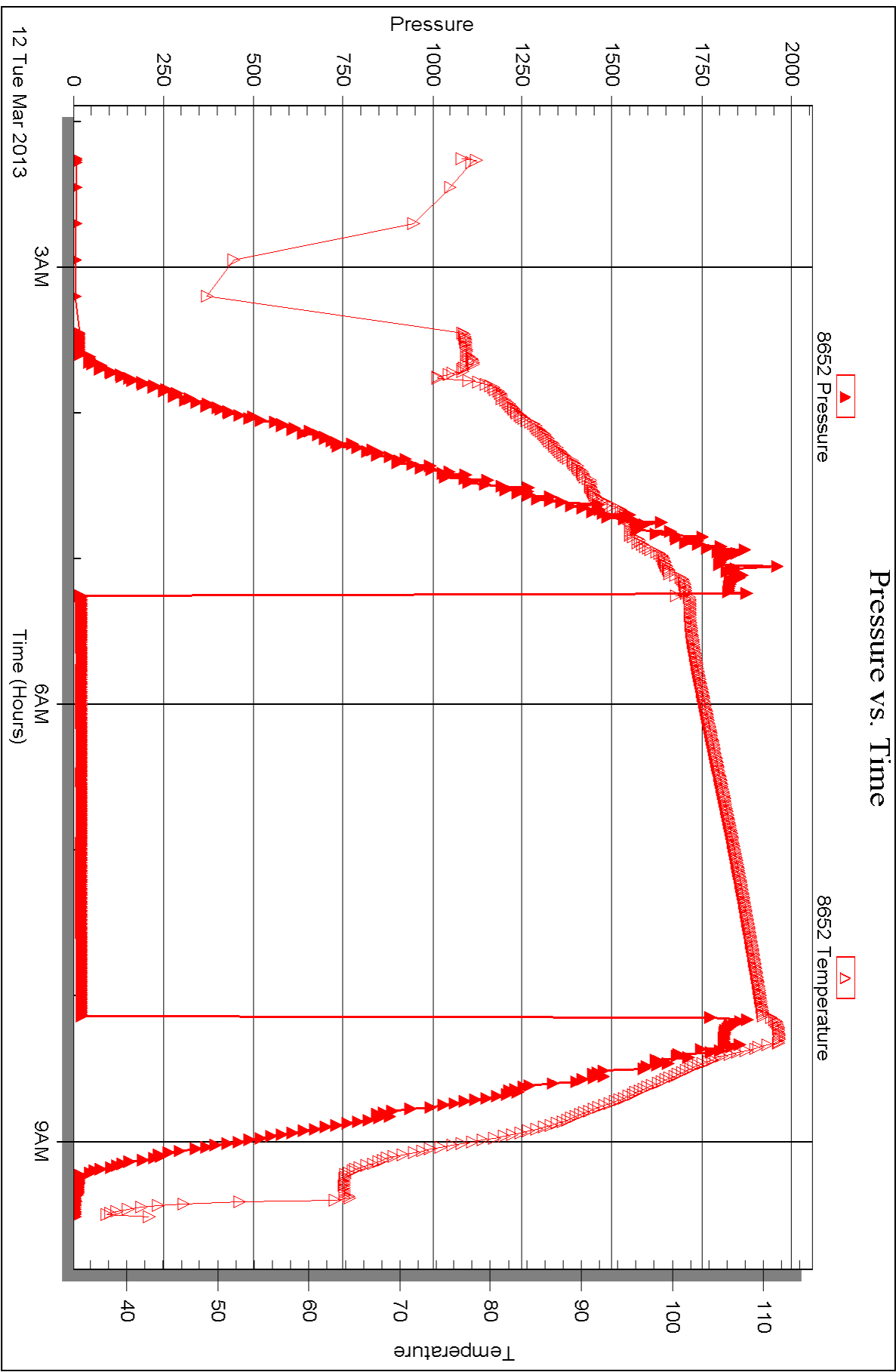
Serial #: 8652

Inside

Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas LLC**

1532 S. Peoria Avenue
Tulsa OK 74120

ATTN: Steve Murphy

Dubois #1-36

36-9s-26w Sheridan,KS

Start Date: 2013.03.12 @ 22:05:00

End Date: 2013.03.13 @ 07:25:45

Job Ticket #: 50629 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.19 @ 16:29:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

ATTN: Steve Murphy

Job Ticket: 50629

DST#: 4

Test Start: 2013.03.12 @ 22:05:00

GENERAL INFORMATION:

Formation: **LKC H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:53:00

Time Test Ended: 07:25:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: 4002.00 ft (KB) To 4038.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 4038.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8353 Outside

Press @ Run Depth: 64.64 psig @ 4003.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.12

End Date:

2013.03.13

Last Calib.: 2013.03.13

Start Time: 22:05:15

End Time:

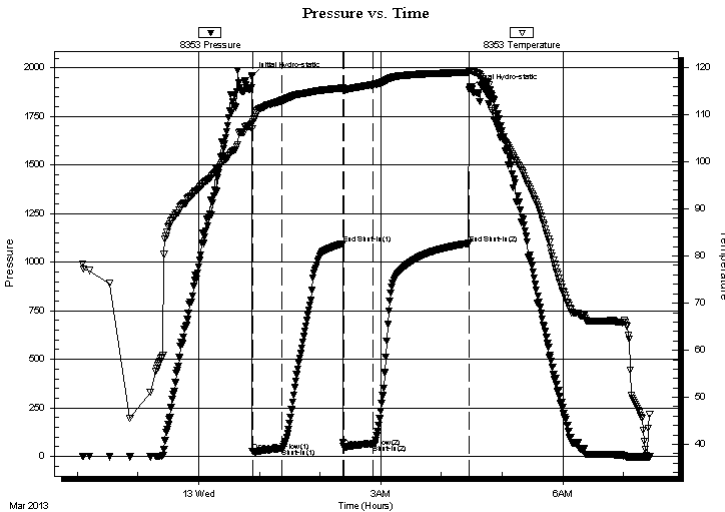
07:25:45

Time On Btm: 2013.03.13 @ 00:52:30

Time Off Btm: 2013.03.13 @ 04:28:30

TEST COMMENT: 30 IF; BOB in 5 mins
60 IS; No Blow
30 FF; BOB in 4 mins
90 FS; No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.68	108.10	Initial Hydro-static
1	25.55	107.10	Open To Flow (1)
30	41.93	113.01	Shut-In(1)
90	1094.72	115.66	End Shut-In(1)
91	48.92	115.37	Open To Flow (2)
120	64.64	116.39	Shut-In(2)
215	1096.44	118.98	End Shut-In(2)
216	1894.86	119.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	GOCM 5%G 45%O 50%M	1.77
15.00	GO 5%G 95%O	0.21
0.00	400' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC
 1532 S. Peoria Avenue
 Tulsa OK 74120
 ATTN: Steve Murphy

36-9s-26w Sheridan, KS

Dubois #1-36

Job Ticket: 50629

DST#: 4

Test Start: 2013.03.12 @ 22:05:00

GENERAL INFORMATION:

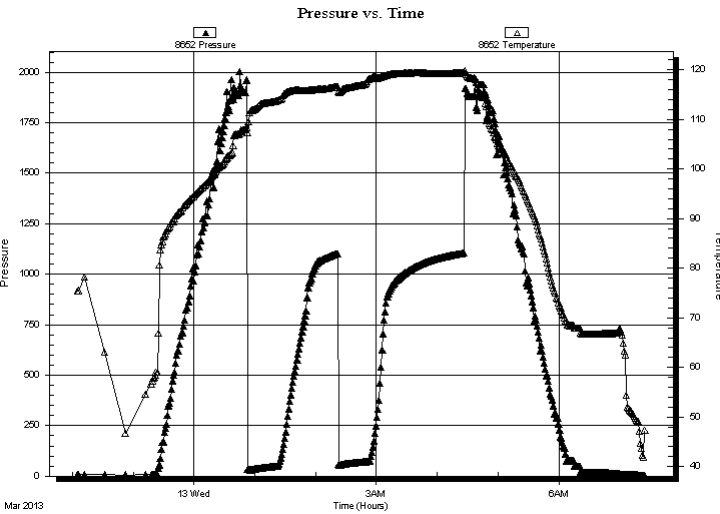
Formation: LKC H,I,J		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)	Tester: Wilbur Steinbeck
Time Tool Opened: 00:53:00		Unit No: 39
Time Test Ended: 07:25:45		
Interval: 4002.00 ft (KB) To 4038.00 ft (KB) (TVD)		Reference Elevations: 2607.00 ft (KB)
Total Depth: 4038.00 ft (KB) (TVD)		2599.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 8652

Inside

Press @ Run Depth: psig @ 4003.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.03.12	End Date: 2013.03.13
Start Time: 22:05:15	End Time: 07:25:30
	Last Calib.: 2013.03.13
	Time On Btm:
	Time Off Btm:

TEST COMMENT: 30 IF; BOB in 5 mins
 60 IS; No Blow
 30 FF; BOB in 4 mins
 90 FS; No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
126.00	GOCM 5%G 45%O 50%M	1.77
15.00	GO 5%G 95%O	0.21
0.00	400' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50629

DST#: 4

ATTN: Steve Murphy

Test Start: 2013.03.12 @ 22:05:00

Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.15 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4002.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 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			3976.00	
Shut In Tool	5.00			3981.00	
Hydraulic tool	5.00			3986.00	
Jars	5.00			3991.00	
Safety Joint	2.00			3993.00	
Packer	5.00			3998.00	27.00 Bottom Of Top Packer
Packer	4.00			4002.00	
Stubb	1.00			4003.00	
Recorder	0.00	8652	Inside	4003.00	
Recorder	0.00	8353	Outside	4003.00	
Perforations	32.00			4035.00	
Bullnose	3.00			4038.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50629

DST#: 4

ATTN: Steve Murphy

Test Start: 2013.03.12 @ 22:05:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	GOCM 5%G 45%O 50%M	1.767
15.00	GO 5%G 95%O	0.210
0.00	400' GIP	0.000

Total Length: 141.00 ft Total Volume: 1.977 bbl

Num Fluid Samples: 0

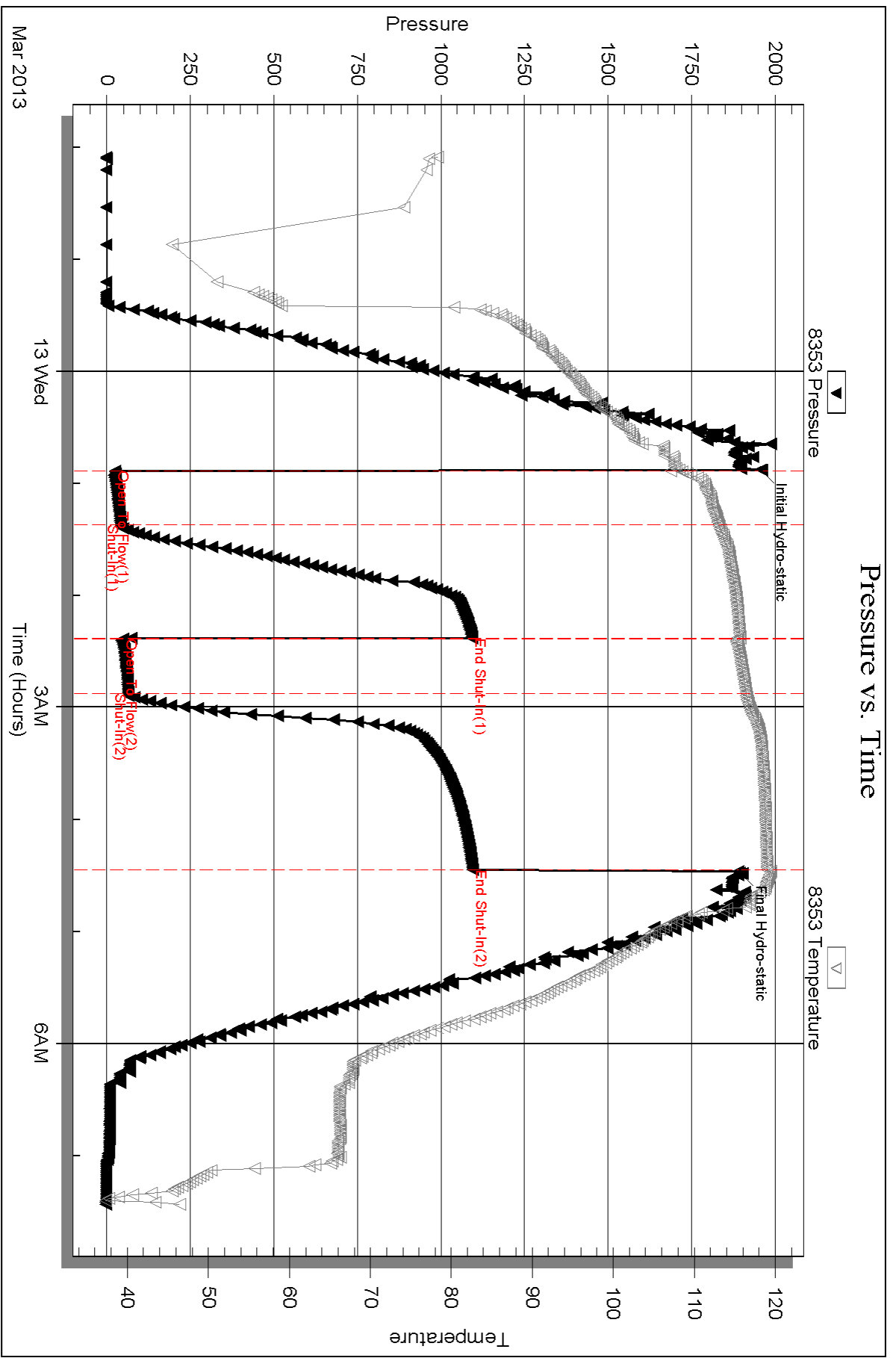
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



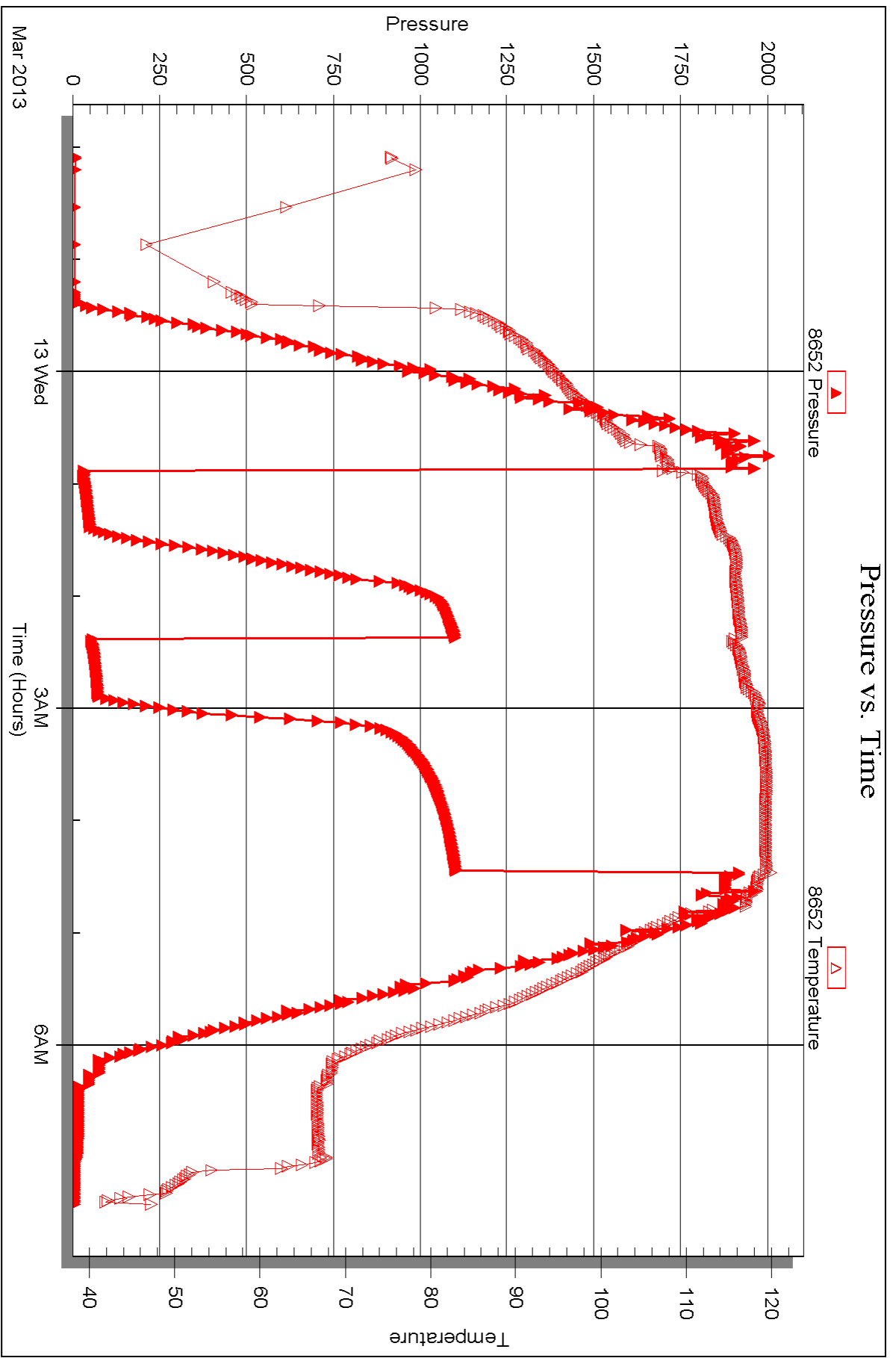
Serial #: 8652

Inside

Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 50629

Printed: 2013.03.19 @ 16:29:28



DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas LLC**

1532 S. Peoria Avenue
Tulsa OK 74120

ATTN: Steve Murphy

Dubois #1-36

36-9s-26w Sheridan,KS

Start Date: 2013.03.13 @ 15:35:00

End Date: 2013.03.13 @ 23:38:30

Job Ticket #: 50630 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.19 @ 16:28:15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

ATTN: Steve Murphy

Job Ticket: 50630

DST#: 5

Test Start: 2013.03.13 @ 15:35:00

GENERAL INFORMATION:

Formation: **LKC J,K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:15

Time Test Ended: 23:38:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 39

Interval: 4040.00 ft (KB) To 4078.00 ft (KB) (TVD)

Reference Elevations: 2607.00 ft (KB)

Total Depth: 4078.00 ft (KB) (TVD)

2599.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8353 Outside

Press @ Run Depth: 42.64 psig @ 4041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.13

End Date: 2013.03.13

Last Calib.: 2013.03.13

Start Time: 15:35:15

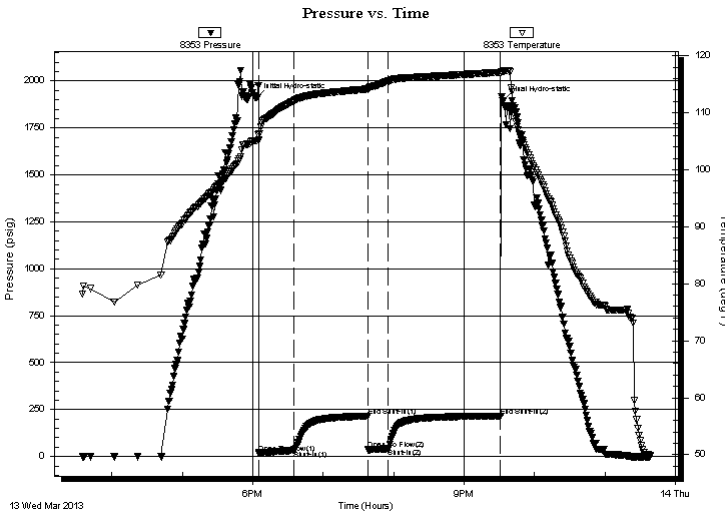
End Time: 23:38:30

Time On Btm: 2013.03.13 @ 18:03:45

Time Off Btm: 2013.03.13 @ 21:32:45

TEST COMMENT: 30 IF; BOB in 6 min
60 IS; No Blow
30 FF; BOB in 4 mins
90 FS; No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.77	105.14	Initial Hydro-static
2	18.61	105.19	Open To Flow (1)
32	33.66	112.14	Shut-In(1)
94	215.67	114.15	End Shut-In(1)
95	36.96	114.15	Open To Flow (2)
112	42.64	115.52	Shut-In(2)
207	216.55	117.09	End Shut-In(2)
209	1893.31	117.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GOCM 10%G 25%O 65%M	1.40
0.00	945 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas LLC
1532 S. Peoria Avenue
Tulsa OK 74120
ATTN: Steve Murphy

36-9s-26w Sheridan,KS
Dubois #1-36
Job Ticket: 50630 **DST#: 5**
Test Start: 2013.03.13 @ 15:35:00

GENERAL INFORMATION:

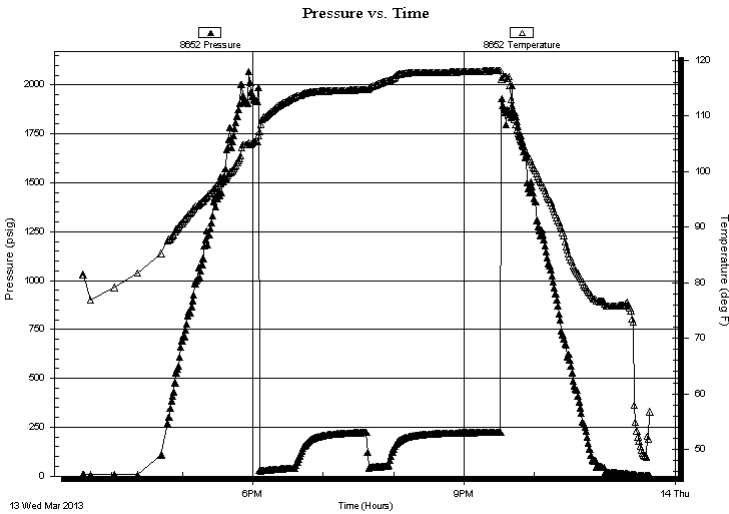
Formation: **LKC J,K**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 18:05:15 Tester: Wilbur Steinbeck
Time Test Ended: 23:38:30 Unit No: 39
Interval: 4040.00 ft (KB) To 4078.00 ft (KB) (TVD) Reference Elevations: 2607.00 ft (KB)
Total Depth: 4078.00 ft (KB) (TVD) 2599.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8652 Inside

Press @ Run Depth: psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.03.13 End Date: 2013.03.13 Last Calib.: 2013.03.13
Start Time: 15:35:15 End Time: 23:38:15 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 IF; BOB in 6 min
60 ISl; No Blow
30 FF; BOB in 4 mins
90 FS!; No Blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GOCM 10%G 25%O 65%M	1.40
0.00	945 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50630

DST#: 5

ATTN: Steve Murphy

Test Start: 2013.03.13 @ 15:35:00

Tool Information

Drill Pipe:	Length: 4035.00 ft	Diameter: 3.80 inches	Volume: 56.60 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 56.60 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4040.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 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			4014.00	
Shut In Tool	5.00			4019.00	
Hydraulic tool	5.00			4024.00	
Jars	5.00			4029.00	
Safety Joint	2.00			4031.00	
Packer	5.00			4036.00	27.00 Bottom Of Top Packer
Packer	4.00			4040.00	
Stubb	1.00			4041.00	
Recorder	0.00	8652	Inside	4041.00	
Recorder	0.00	8353	Outside	4041.00	
Perforations	34.00			4075.00	
Bullnose	3.00			4078.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas LLC

36-9s-26w Sheridan,KS

1532 S. Peoria Avenue
Tulsa OK 74120

Dubois #1-36

Job Ticket: 50630

DST#: 5

ATTN: Steve Murphy

Test Start: 2013.03.13 @ 15:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GOCM 10%G 25%O 65%M	1.403
0.00	945 GIP	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

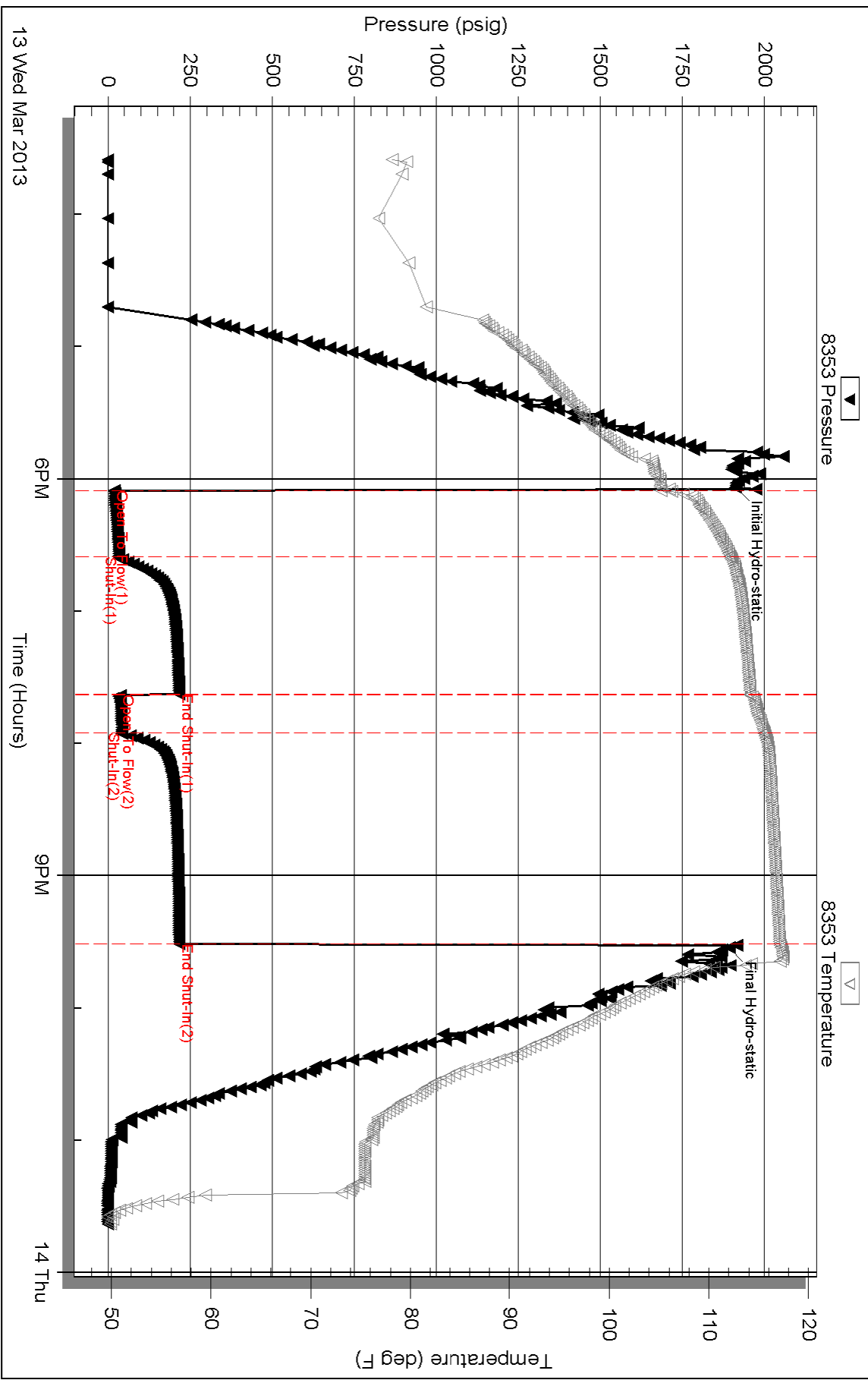
Serial #: 8353

Outside Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50630

Printed: 2013.03.19 @ 16:28:18

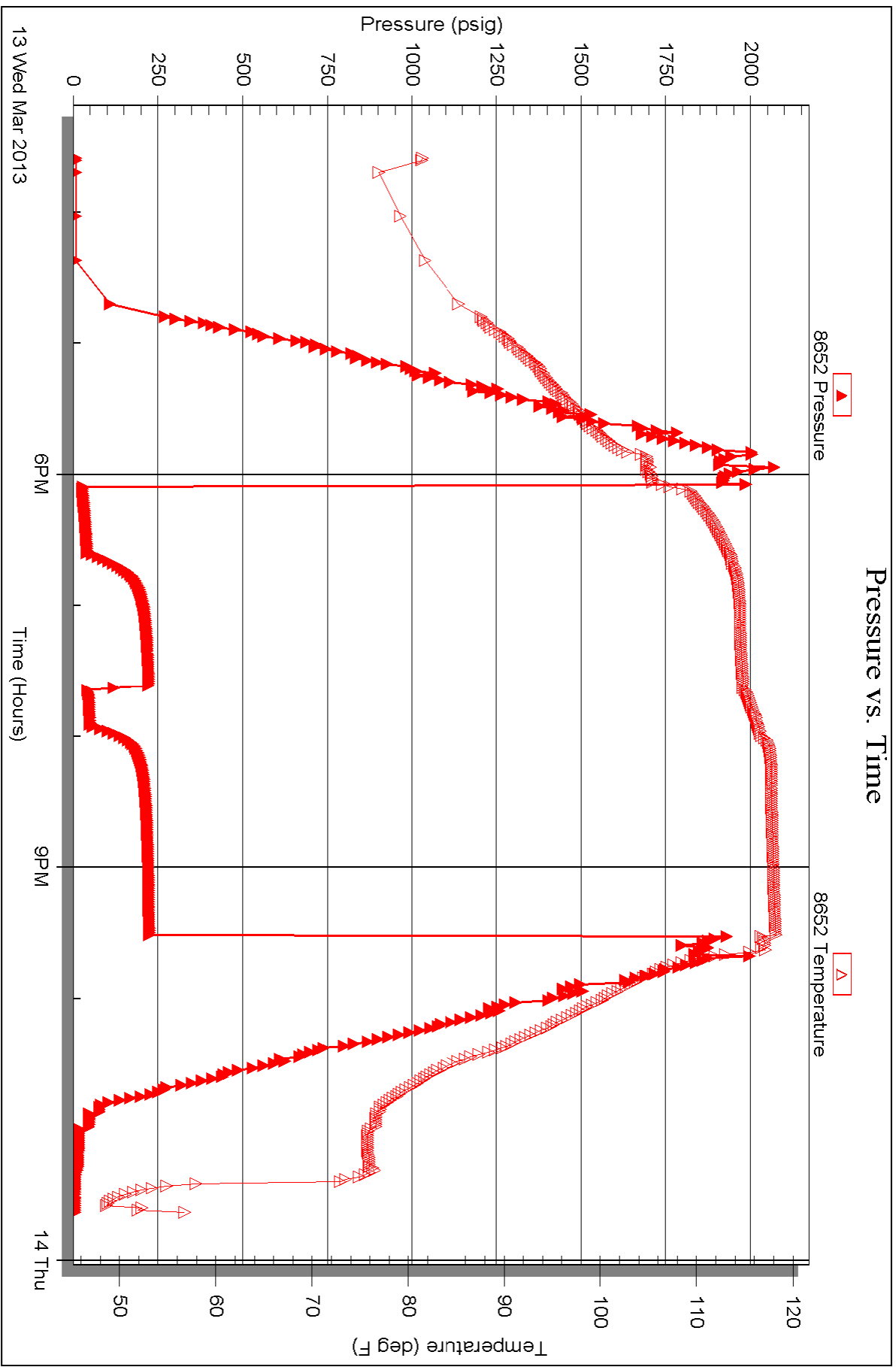
Serial #: 8652

Inside

Culbreath Oil & Gas LLC

Dubois #1-36

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50612

Well Name & No. Dubdis # 1-36 Test No. 1 Date 3/10/13
 Company Culbreath Oil & Gas LLC Elevation 2607 KB 2599 GL
 Address 1532 S. Peoria Avenue Tulsa, OK 74120
 Co. Rep / Geo. Steve Murphy Rig Maverick 108
 Location: Sec. 36 Twp. 9S Rge. 26W Co. Sheridan State KS

Interval Tested 3816 - 3860 Zone Tested Toronto & LKC "A"
 Anchor Length 44' Drill Pipe Run 3815' Mud Wt. 9.4
 Top Packer Depth 3811 Drill Collars Run 0' Vis 46
 Bottom Packer Depth 3816 Wt. Pipe Run 0' WL 8.0
 Total Depth 3860 Chlorides 2000 ppm System LCM 1/2

Blow Description IF - Surface blow built to 4 1/4" @ 25 mins died back to 3 1/2"
(in diesel) ISI - No return
FF - Surface blow started @ 1 min built to 3"
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>	<u>90</u>		<u>10</u>	
<u>40</u>	<u>MCW w/oil spots</u>		<u>70</u>	<u>30</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 110° Gravity — API RW 1685 @ 31 ° F Chlorides 24000 ppm

(A) Initial Hydrostatic <u>1887</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>14:30</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:02</u>
(D) Initial Shut-In <u>834</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>21:02</u>
(E) Second Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Hourly Standby <u>1</u> 100	T-Out <u>22:37</u>
(F) Second Final Flow <u>49</u>	<input checked="" type="checkbox"/> Mileage <u>124 RT</u> 192.20	Comments
(G) Final Shut-In <u>815</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1883</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>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1767.20</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1767.20</u>	

Approved By _____

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50627

Well Name & No. Dubois #1-36 Test No. 2 Date 3-11-13
 Company Calbrath oil & Gas LLC Elevation 2607 KB 2599 GL
 Address 1532 S. Prior Ave. Tuba OK 74120
 Co. Rep / Geo. Steve Murphy Rig Manerick 108
 Location: Sec. 36 Twp. 9S Rge. 26W Co. Sheridan State KS

Interval Tested 3878 3910 Zone Tested LKC BC, D₁
 Anchor Length 32 Drill Pipe Run 3878 Mud Wt. 9.1
 Top Packer Depth 3873 Drill Collars Run 0 Vis 35
 Bottom Packer Depth 3878 Wt. Pipe Run 0 WL 7.6
 Total Depth 3910 Chlorides 3000 ppm System LCM 1/2

Blow Description IF: BOB in 6min
ISL: Built to 5 1/2"
FF: BOB in 6min
PSL: Built to 7 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>189</u>	<u>GC O</u>	<u>18</u>	<u>72</u>		
<u>63</u>	<u>GO WCM</u>	<u>10</u>	<u>5</u>	<u>40</u>	<u>45</u>
<u>63</u>	<u>GO MCW</u>	<u>5</u>	<u>15</u>	<u>60</u>	<u>20</u>
<u>350'</u>	<u>GIP</u>				

Rec Total 315 BHT 117° Gravity 35 @ 59 = 34.9 API RW @ °F Chlorides ppm

- (A) Initial Hydrostatic 1,860
 - (B) First Initial Flow 29
 - (C) First Final Flow 95
 - (D) Initial Shut-In 463
 - (E) Second Initial Flow 104
 - (F) Second Final Flow 142
 - (G) Final Shut-In 442
 - (H) Final Hydrostatic 1,848
- Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 90

- Test 1150
 - Jars NA Not Used
 - Safety Joint NA Not Used
 - Circ Sub NA
 - Hourly Standby 4 hrs 400
 - Mileage 124 RT 192.20
 - Sampler
 - Straddle
 - Shale Packer
 - Extra Packer
 - Extra Recorder
 - Day Standby
 - Accessibility
- Sub Total 1742.20

T-On Location 6:00
 T-Started 11:35
 T-Open 13:23
 T-Pulled 17:23
 T-Out 19:45

Comments was call @ 4am
arrived @ 6am to
loss of circulation was
out of hole at 12:25
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1742.20

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50628

Well Name & No. Dubois 1-36 Test No. 3 Date 3-12-13
 Company Colbreath Oil & Gas LLC Elevation 2607 KB 2599 GL
 Address 1532 S. Peoria Ave. Tulsa OK 74120
 Co. Rep / Geo. Steve Murphy Rig Maverick 108
 Location: Sec. 36 Twp. 9s Rge. 26w Co. Sheridan State KS

Interval Tested 3916 3930 Zone Tested LKC E+F
 Anchor Length 14 Drill Pipe Run 3910 Mud Wt. 9.1
 Top Packer Depth 3911 Drill Collars Run 0 Vis 35
 Bottom Packer Depth 3916 Wt. Pipe Run 0 WL 7.6
 Total Depth 3930 Chlorides 3000 ppm System LCM 1 1/2

Blow Description IF: Built to 1/2"
IS: No Blow
FF: No Blow
FS: No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>0 SM</u>	<u>1</u>		<u>99</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 1110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1883</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2:10</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars <u>NA Not Used</u>	T-Started <u>2:15</u>
(C) First Final Flow <u>15</u>	<input checked="" type="checkbox"/> Safety Joint <u>NA Not Used</u>	T-Open <u>5:18</u>
(D) Initial Shut-In <u>14</u>	<input checked="" type="checkbox"/> Circ Sub <u>NA</u>	T-Pulled <u>8:03</u>
(E) Second Initial Flow <u>14</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:35</u>
(F) Second Final Flow <u>15</u>	<input checked="" type="checkbox"/> Mileage <u>124 RT</u> 192.20	Comments _____
(G) Final Shut-In <u>15</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1898</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60

Sub Total 1342.20
 Total 1342.20
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

50629

NO.

Well Name & No. Dubois 1-36 Test No. 4 Date 3-12-13
 Company Culbreath oil & Gas Elevation 2607 KB 2599 GL
 Address 1532 S. Porcia Ave Tulsa OK 74120
 Co. Rep / Geo. Steve Murphy Rig Maverick 108
 Location: Sec. 36 Twp. 9s Rge. 26w Co. Sheridan State Ks

Interval Tested 4002 4038 Zone Tested LKC H, I, J
 Anchor Length 36 Drill Pipe Run 4003 Mud Wt. 9.1
 Top Packer Depth 3997 Drill Collars Run 0 Vis 5/1
 Bottom Packer Depth 4002 Wt. Pipe Run 0 WL 7.6
 Total Depth 4038 Chlorides 200 ppm System LCM 2

Blow Description IF; BOB in 5 mins
IS; No Blow
FF; BOB in 4 mins
FS; No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>60</u>	<u>5</u>	<u>95</u>		
<u>126</u>	<u>50 CM</u>	<u>5</u>	<u>45</u>	<u>50</u>	
<u> </u>	<u>400' GIP</u>				
<u> </u>	<u> </u>				
<u> </u>	<u> </u>				

Rec Total 141 BHT 119 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1957 Test 1150 T-On Location 21:45
 (B) First Initial Flow 26 Jars T-Started 22:05
 (C) First Final Flow 42 Safety Joint T-Open 12:50
 (D) Initial Shut-In 1095 Circ Sub NA T-Pulled 4:20
 (E) Second Initial Flow 49 Hourly Standby T-Out 7:20
 (F) Second Final Flow 65 Mileage 124 RT 192.20 Comments
 (G) Final Shut-In 1096 Sampler
 (H) Final Hydrostatic 1895 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 60 Extra Packer Extra Copies
 Final Flow 30 Extra Recorder Sub Total 0
 Final Shut-In 90 Day Standby Total 1342.20
 Accessibility MP/DST Disc't
 Sub Total 1342.20

Approved By Our Representative *[Signature]*

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50630

Well Name & No. Dobois 1-36 Test No. 5 Date 3-13-13
 Company Culbreath Oil & Gas Elevation 2607 KB 2599 GL
 Address 1532 S. Peoria Ave Tulsack 74120
 Co. Rep / Geo. Steve Murphy Rig Maverick 108
 Location: Sec. 36 Twp. 9s Rge. 24w Co. Sheridan State KS

Interval Tested 4040 4078 Zone Tested LKC J,K
 Anchor Length 38' Drill Pipe Run 4035 Mud Wt. 9.2
 Top Packer Depth 4035 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 4040 Wt. Pipe Run 0 WL 7.6
 Total Depth 4078 Chlorides 2500 ppm System LCM 2
 Blow Description IF: BOB in 6min
ISI: No Blow
FF: BOB in 4min
FSI: No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>		<u>10</u>	<u>25</u>	<u>65</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 117° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,912 Test 1150 T-On Location 14:40
 (B) First Initial Flow 19 Jars _____ T-Started 15:35
 (C) First Final Flow 34 Safety Joint _____ T-Open 18:08
 (D) Initial Shut-In 216 Circ Sub NA T-Pulled 21:38
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 23:40
 (F) Second Final Flow 43 Mileage 124 KT 192.20 Comments _____
 (G) Final Shut-In 217 Sampler _____
 (H) Final Hydrostatic 1893 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 320
 Day Standby _____ Total 1662.20
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1342.20

Approved By _____ Our Representative [Signature]
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CONSOLIDATED
Oil Well Services, LLC

257392

TICKET NUMBER 39449
LOCATION Oakley KS
FOREMAN Fuzz Y

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	
3-14-13	2777	Dubas 1-36	36	9S	26W	Shannon	
CUSTOMER Culbreth Oil & Gas		0.1 m ³ w-rod 100 3 1/2" w/c		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Seam Y	Travis W	
CITY		STATE		ZIP CODE			
				693	Mike P		
					Tim W		

JOB TYPE 2-stage HOLE SIZE 7718 HOLE DEPTH 4150' CASING SIZE & WEIGHT 5 1/2 15.5
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER DU @ 2255'
SLURRY WEIGHT 14.5-12.5 SLURRY VOLUME 1.42-1.89 WATER gal/sk _____ CEMENT LEFT in CASING 42 LB
DISPLACEMENT 98.1 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Maverick #108 float equip. Cent #2, 3, 4, 5, 6, 7, 10, 12, 44 - Bask Top of 12, 44, DU Top of 45 - scratcher 4 each, 2, 3, 4, 5, 6, 7, 8
Ris up and circulate 1 hr. Pump 5 BBL mud, 500 gal mud flush, 20 BBL KCL
Mix 175 sks OWC w/ 5* Kolsal wash pump and lines. Drop plug and displace
45 BBL water, 53 BBL mud, 800* lift, 1400* lead. Drop DU Bomb unit 15
min open DU Tool @ 900* Circ 3 hrs. Pump 500 gal mud flush. 20 sks MH
20 sks AH. Mix 400 sks 60/40 89 gal 1/4* flo seal. Wash pump & lines. Drop
plug and displace 54 BBL water. 550 list press close DU Tool @ 1750*
cement did circulate

Thanks Fuzz Y crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	35	MILEAGE	5 ⁰⁰	175 ⁰⁰
5407A	27.6 ton	Ton Mileage Delivery	1 ⁶⁷	1613 ⁸⁵
1126	175 sks	OWC	22 ⁵²	3946 ²⁵
1131	450 sks	60/40 pos	15 ¹⁰	6795 ⁰⁰
118B	3096*	Bentonite	1 ²⁵	774 ⁰⁰
1110A	875*	Kolsal	.56	490 ⁰⁰
1107	113*	Flo-seal	2 ⁵²	318 ⁵⁶
1144G	1000 gal	Mud Flush	1 ⁰⁰	1000 ⁰⁰
1142A	2 gal	KCL	39 ¹⁰	78 ²⁰
4159	1	5 1/2 - AFU Flood shoe (w)	413 ⁰⁰	413 ⁰⁰
4454	1	5 1/2 - hold down Assy (w)	303 ⁰⁰	303 ⁰⁰
4314	28	5 1/2 - Recip scratchers (w)	78 ⁰⁰	2184 ⁰⁰
4104	2	5 1/2 - Baskets (w)	276 ⁰⁰	552 ⁰⁰
4283	1	5 1/2 - DU Tool (w)	4800 ⁰⁰	4800 ⁰⁰
4130	9	5 1/2 - Centralizers (w)	58 ⁰⁰	522 ⁰⁰
				26984 ⁹⁶
				2698 ⁵⁰
		Sales Tax 1656.57	SALES TAX	24286 ⁴⁶
			ESTIMATED	TOTAL 25943.03

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ 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.