



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
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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 (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **TDI Inc**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Tom Denning

Dinges Family #1

8-15s-19w Ellis,KS

Start Date: 2012.09.07 @ 14:50:24

End Date: 2012.09.07 @ 21:16:18

Job Ticket #: 48679 DST #: 1

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

Printed: 2012.09.13 @ 14:45:25

TDI Inc
8-15s-19w Ellis,KS
Dinges Family #1
DST # 1
LKC "C"
2012.09.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

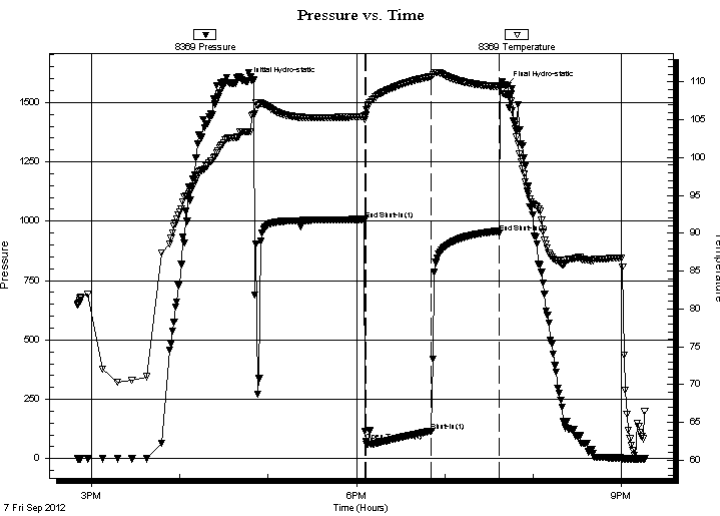
8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 48679 **DST#: 1**
Test Start: 2012.09.07 @ 14:50:24

GENERAL INFORMATION:

Formation: **LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:06:19
Time Test Ended: 21:16:18
Interval: **3355.00 ft (KB) To 3377.00 ft (KB) (TVD)**
Total Depth: 3377.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2037.00 ft (KB)
2027.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
Press @ Run Depth: 116.52 psig @ 3356.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.07 End Date: 2012.09.07 Last Calib.: 2012.09.07
Start Time: 14:50:24 End Time: 21:16:18 Time On Btm: 2012.09.07 @ 16:45:19
Time Off Btm: 2012.09.07 @ 19:41:48

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4 1/4" bl
45-ISIP-no bl
45-FFP-strg bl in 2 min
45-FSIP-strg bl bk in 7 min



PRESSURE SUMMARY

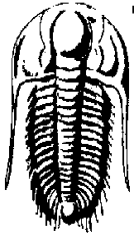
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.48	103.45	Initial Hydro-static
80	1007.58	105.48	End Shut-In(1)
81	72.71	105.61	Open To Flow (1)
126	116.52	110.74	Shut-In(1)
172	949.13	109.34	End Shut-In(2)
177	1571.73	108.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	870'GIP	0.00
5.00	O&GCM 10-%G10&O80%M	0.07
62.00	GMO 50%G20%M30%O	0.87
62.00	GMO 40%G10%M50%O	0.87
124.00	CO	1.74
5.00	Water	0.07

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS

Dinges Family #1

Job Ticket: 48679 DST#: 1

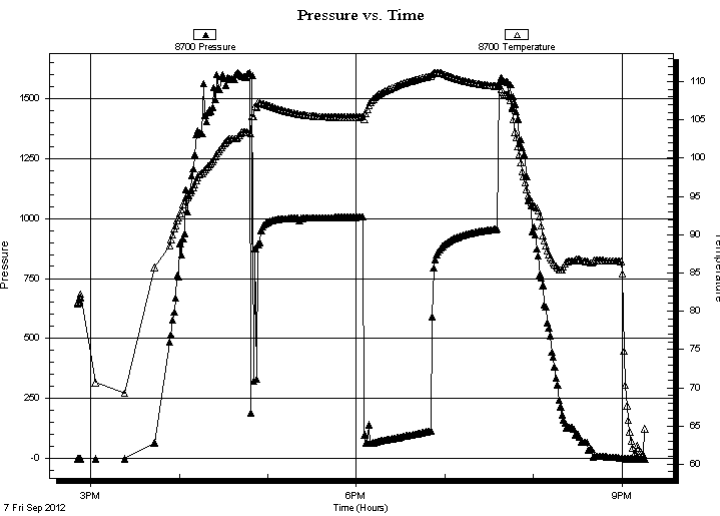
Test Start: 2012.09.07 @ 14:50:24

GENERAL INFORMATION:

Formation: LKC "C"		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)		Tester: Ray Schwager
Time Tool Opened: 18:06:19		Unit No: 42
Time Test Ended: 21:16:18		Reference Elevations: 2037.00 ft (KB)
Interval: 3355.00 ft (KB) To 3377.00 ft (KB) (TVD)		2027.00 ft (CF)
Total Depth: 3377.00 ft (KB) (TVD)		KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair	

Serial #: 8700	Outside				
Press @ RunDepth: psig @ 3356.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2012.09.07	End Date: 2012.09.07	Last Calib.: 2012.09.07			
Start Time: 14:51:03	End Time: 21:15:27	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4 1/4" bl
 45-ISIP-no bl
 45-FFP-strg bl in 2 min
 45-FSIP-strg bl bk in 7 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	870'GIP	0.00
5.00	O&GCM 10-%G10&O80%M	0.07
62.00	GMO 50%G20%M30%O	0.87
62.00	GMO 40%G10%M50%O	0.87
124.00	CO	1.74
5.00	Water	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 48679 **DST#: 1**
Test Start: 2012.09.07 @ 14:50:24

Tool Information

Drill Pipe:	Length: 3359.00 ft	Diameter: 3.80 inches	Volume: 47.12 bbl	Tool Weight: 2200.00 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: 70000.00 lb
			<u>Total Volume: 47.12 bbl</u>	Tool Chased 12.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3355.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	43.00 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			3335.00	
Shut In Tool	5.00			3340.00	
Hydraulic tool	5.00			3345.00	
Packer	5.00			3350.00	21.00 Bottom Of Top Packer
Packer	5.00			3355.00	
Stubb	1.00			3356.00	
Recorder	0.00	8369	Inside	3356.00	
Recorder	0.00	8700	Outside	3356.00	
Perforations	18.00			3374.00	
Bullnose	3.00			3377.00	22.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS
Dinges Family #1
Job Ticket: 48679 **DST#: 1**
Test Start: 2012.09.07 @ 14:50:24

Mud and Cushion Information

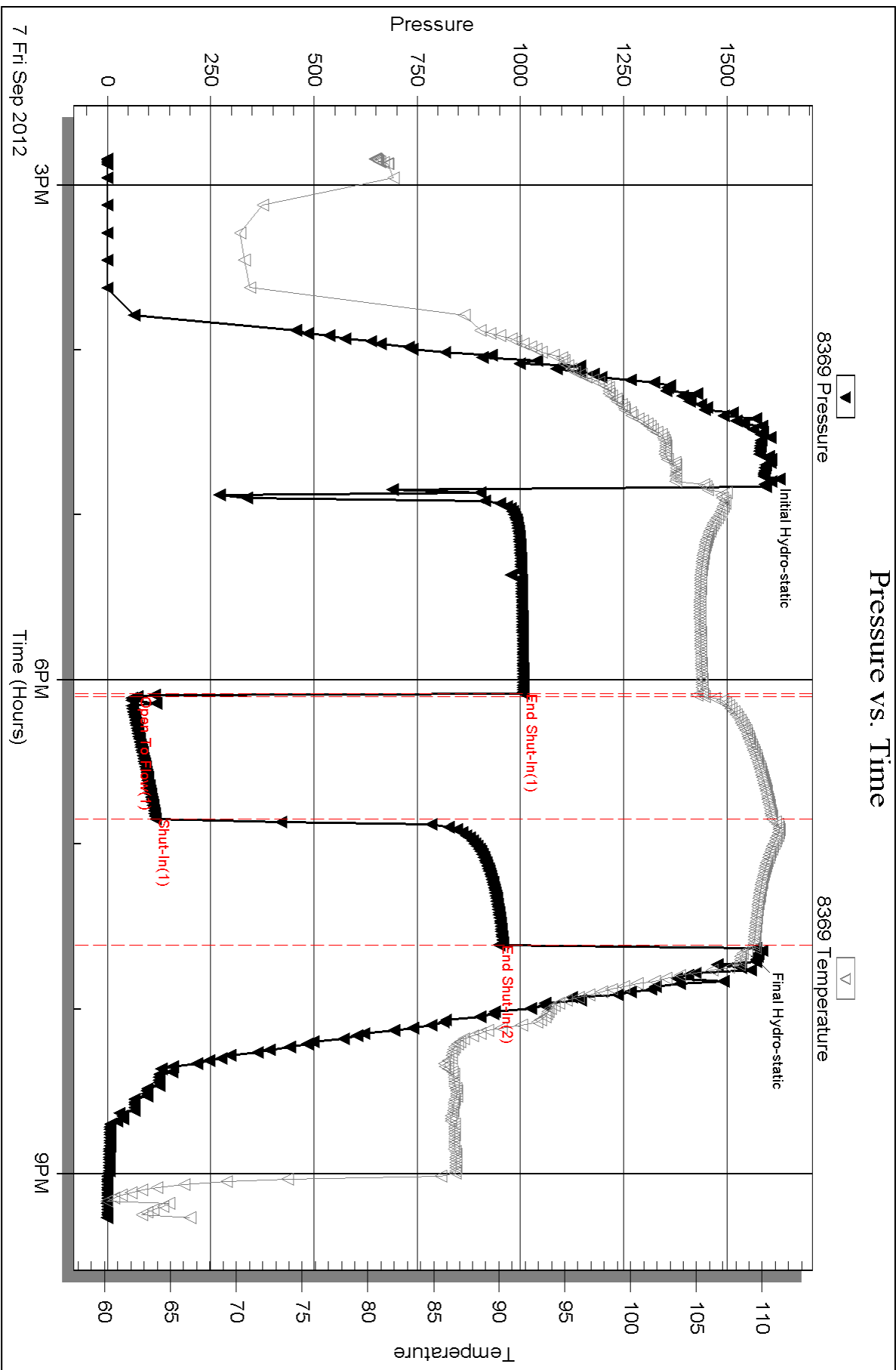
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	870'GIP	0.000
5.00	O&GCM 10-%G10&O80%M	0.070
62.00	GMO 50%G20%M30%O	0.870
62.00	GMO 40%G10%M50%O	0.870
124.00	CO	1.739
5.00	Water	0.070

Total Length: 258.00 ft Total Volume: 3.619 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

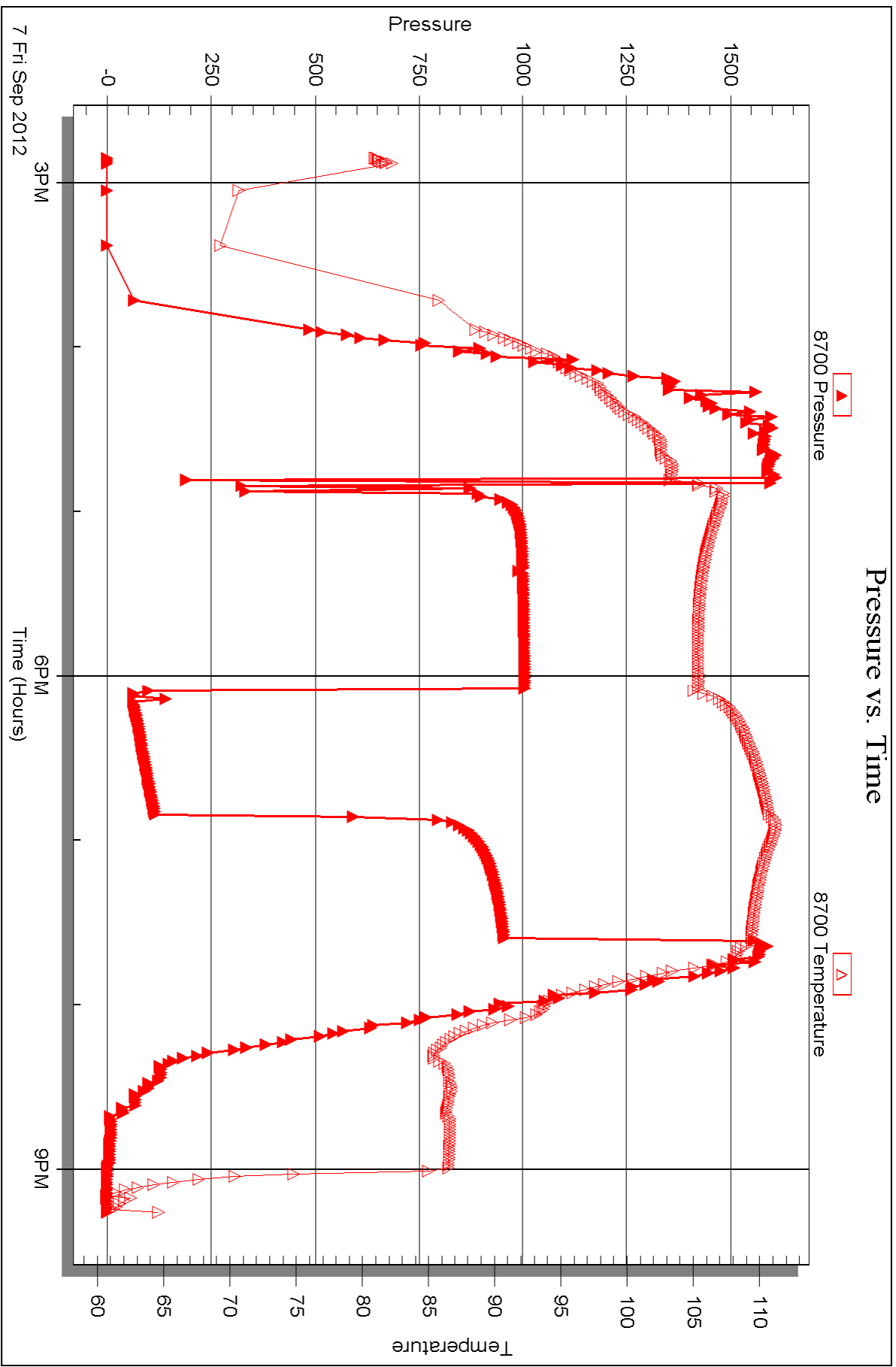


Serial #: 8700

Outside TDI Inc

Dinges Family #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **TDI Inc**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Tom Denning

Dinges Family #1

8-15s-19w Ellis,KS

Start Date: 2012.09.08 @ 04:30:00

End Date: 2012.09.08 @ 09:19:30

Job Ticket #: 49468 DST #: 2

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

Printed: 2012.09.13 @ 14:48:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
 1310 Bison Rd
 Hays KS 67601-9696
 ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
 Job Ticket: 49468 **DST#: 2**
 Test Start: 2012.09.08 @ 04:30:00

GENERAL INFORMATION:

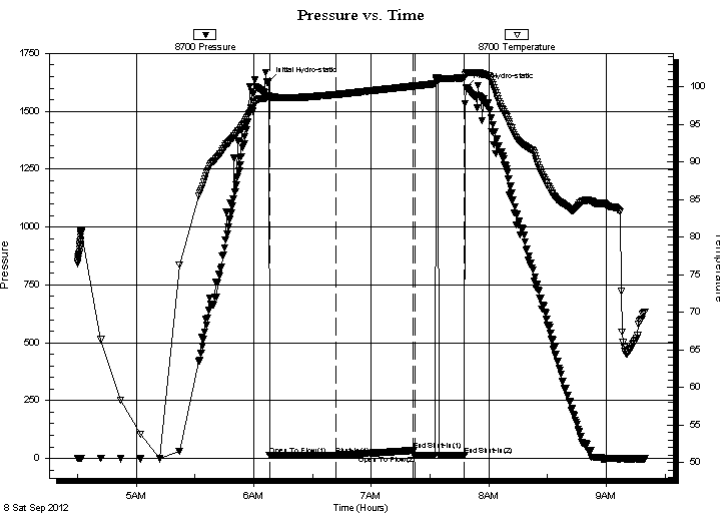
Formation: **LKC - "D-top of "G"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:08:00 Tester: Cody Bloedorn
 Time Test Ended: 09:19:30 Unit No: 42
 Interval: **3377.00 ft (KB) To 3414.00 ft (KB) (TVD)** Reference Elevations: 2037.00 ft (KB)
 Total Depth: 3414.00 ft (KB) (TVD) 2027.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8700

Outside

Press @ Run Depth: 14.74 psig @ 3378.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 04:30:05 End Time: 09:19:29 Time On Btm: 2012.09.08 @ 06:07:30
 Time Off Btm: 2012.09.08 @ 07:48:30

TEST COMMENT: 30 - IF- 1/4" Blow and Dying
 45 - IS- No blow back.
 20 - FF- Waited 10 Min, no blow, Flushed tool, surged and died, w aited 10 Min. Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.63	98.87	Initial Hydro-static
1	12.55	98.55	Open To Flow (1)
35	14.74	98.99	Shut-In(1)
74	35.15	100.11	End Shut-In(1)
75	13.41	100.13	Open To Flow (2)
100	14.10	101.21	End Shut-In(2)
101	1600.40	101.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil Scum, 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
 1310 Bison Rd
 Hays KS 67601-9696
 ATTN: Tom Denning

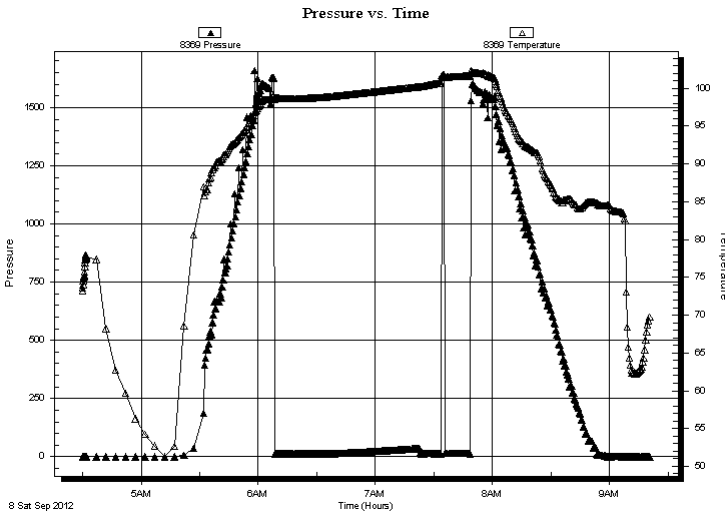
8-15s-19w Ellis, KS
Dinges Family #1
 Job Ticket: 49468 **DST#: 2**
 Test Start: 2012.09.08 @ 04:30:00

GENERAL INFORMATION:

Formation: **LKC - "D-top of "G"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:08:00 Tester: Cody Bloedorn
 Time Test Ended: 09:19:30 Unit No: 42
 Interval: **3377.00 ft (KB) To 3414.00 ft (KB) (TVD)** Reference Elevations: 2037.00 ft (KB)
 Total Depth: 3414.00 ft (KB) (TVD) 2027.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
 Press @ Run Depth: psig @ 3378.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 04:30:05 End Time: 09:20:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF- 1/4" Blow and Dying
 45 - IS- No blow back.
 20 - FF- Waited 10 Min, no blow, Flushed tool, surged and died, w waited 10 Min. Pulled tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil Scum, 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 49468 **DST#: 2**
Test Start: 2012.09.08 @ 04:30:00

Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.80 inches	Volume: 47.15 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	34000.00 lb
			<u>Total Volume: 47.15 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3377.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	58.00 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			3357.00	
Shut In Tool	5.00			3362.00	
Hydraulic tool	5.00			3367.00	
Packer	5.00			3372.00	21.00 Bottom Of Top Packer
Packer	5.00			3377.00	
Stubb	1.00			3378.00	
Recorder	0.00	8369	Inside	3378.00	
Recorder	0.00	8700	Outside	3378.00	
Perforations	33.00			3411.00	
Bullnose	3.00			3414.00	37.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS
Dinges Family #1
Job Ticket: 49468 **DST#: 2**
Test Start: 2012.09.08 @ 04:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

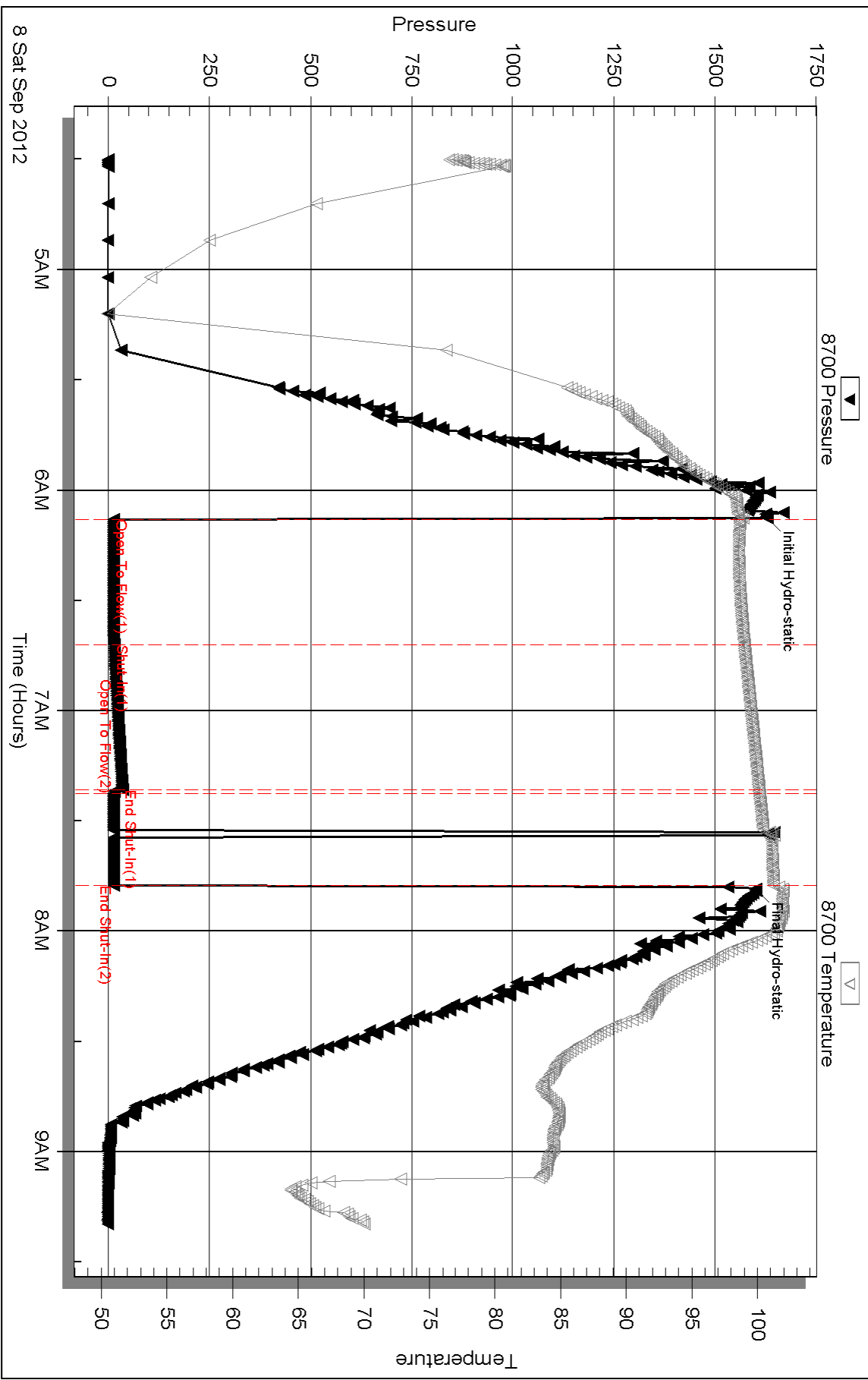
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - Oil Scum, 100%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



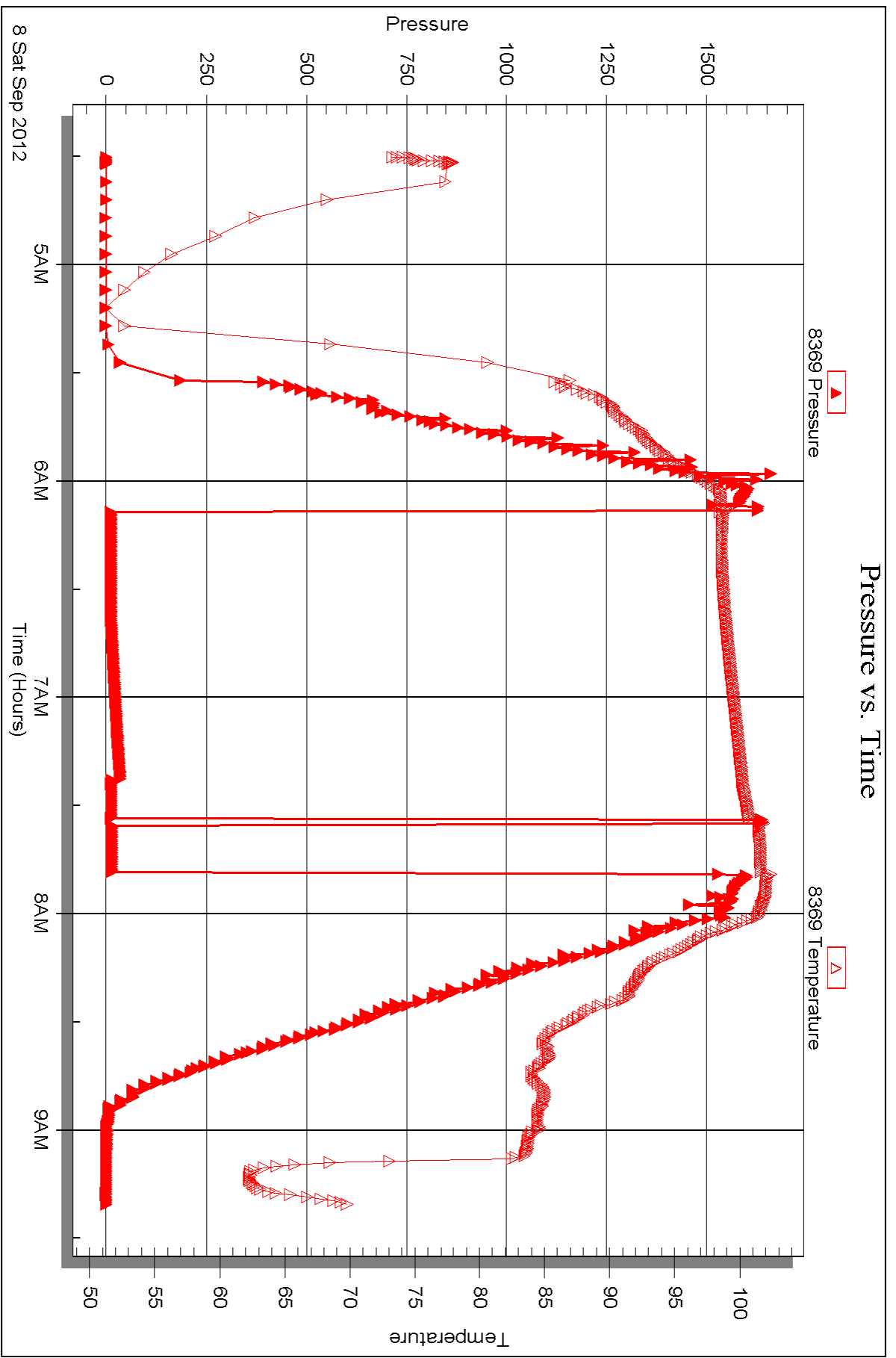
Serial #: 8369

Inside

TDI Inc

Dinges Family #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **TDI Inc**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Tom Denning

Dinges Family #1

8-15s-19w Ellis,KS

Start Date: 2012.09.08 @ 21:00:00

End Date: 2012.09.09 @ 02:59:30

Job Ticket #: 49469 DST #: 3

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

Printed: 2012.09.13 @ 14:30:08

TDI Inc
8-15s-19w Ellis,KS
Dinges Family #1
DST # 3
H,I,J
2012.09.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
 1310 Bison Rd
 Hays KS 67601-9696
 ATTN: Tom Denning

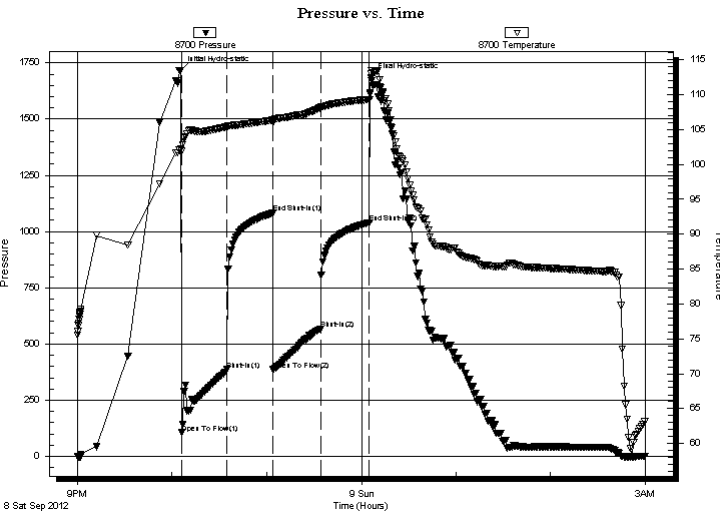
8-15s-19w Ellis, KS
Dinges Family #1
 Job Ticket: 49469 **DST#: 3**
 Test Start: 2012.09.08 @ 21:00:00

GENERAL INFORMATION:

Formation: **H,I,J**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **22:06:00** Tester: **Cody Bloedorn**
 Time Test Ended: **02:59:30** Unit No: **42**
Interval: 3428.00 ft (KB) To 3540.00 ft (KB) (TVD) Reference Elevations: **2037.00 ft (KB)**
 Total Depth: **3540.00 ft (KB) (TVD)** **2027.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 8700 **Outside**
 Press @ Run Depth: **567.39 psig @ 3527.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.09.08** End Date: **2012.09.09** Last Calib.: **2012.09.09**
 Start Time: **21:00:05** End Time: **02:59:29** Time On Btm: **2012.09.08 @ 22:05:30**
 Time Off Btm: **2012.09.09 @ 00:06:00**

TEST COMMENT: 30 - IF- B.O.B. in 2 Min.
 30 - IS- No blow back.
 30 - FF- B.O.B. in 3 Min.
 30 - FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.38	102.19	Initial Hydro-static
1	105.15	101.92	Open To Flow (1)
29	385.20	105.37	Shut-In(1)
58	1081.52	106.35	End Shut-In(1)
59	385.71	106.07	Open To Flow (2)
89	567.39	108.10	Shut-In(2)
120	1039.66	109.31	End Shut-In(2)
121	1685.09	112.96	Final Hydro-static

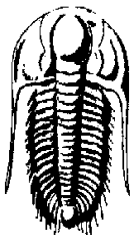
Recovery

Length (ft)	Description	Volume (bbl)
186.00	Mud, 100%M	2.61
682.00	MW, 5%M, 95%W	9.57
124.00	Mud, 100%M	1.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS
Dinges Family #1
Job Ticket: 49469 **DST#: 3**
Test Start: 2012.09.08 @ 21:00:00

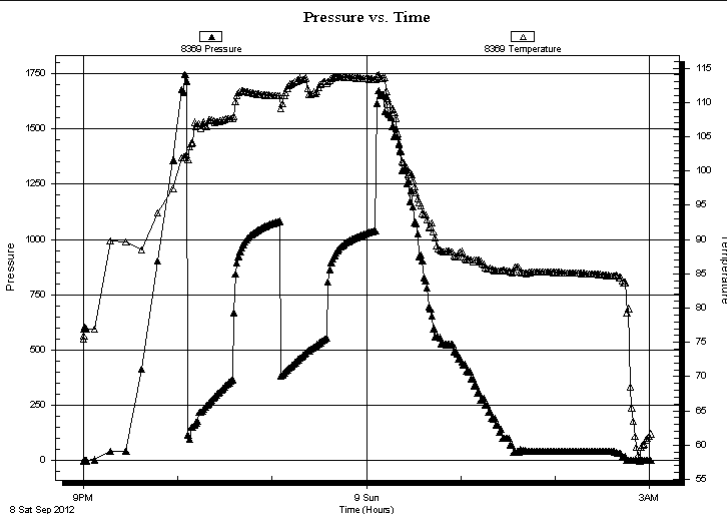
GENERAL INFORMATION:

Formation: H,I,J	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Cody Bloedorn
Time Tool Opened: 22:06:00	Unit No: 42
Time Test Ended: 02:59:30	Reference Elevations: 2037.00 ft (KB)
Interval: 3428.00 ft (KB) To 3540.00 ft (KB) (TVD)	2027.00 ft (CF)
Total Depth: 3540.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inchesHole Condition: Fair	

Serial #: 8369 Inside

Press @RunDepth: psig @ 3527.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.09.08 End Date: 2012.09.09	Last Calib.: 2012.09.09
Start Time: 21:00:05 End Time: 03:00:59	Time On Btm: Time Off Btm:

TEST COMMENT: 30 - IF- B.O.B. in 2 Min.
30 - IS- No blow back.
30 - FF- B.O.B. in 3 Min.
30 - FS- No blow back.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Mud, 100%M	2.61
682.00	MW, 5%M, 95%W	9.57
124.00	Mud, 100%M	1.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 49469 **DST#: 3**
Test Start: 2012.09.08 @ 21:00:00

Tool Information

Drill Pipe:	Length: 3425.00 ft	Diameter: 3.80 inches	Volume: 48.04 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 48.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3428.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.00 ft			
Tool Length:	133.00 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			3408.00	
Shut In Tool	5.00			3413.00	
Hydraulic tool	5.00			3418.00	
Packer	5.00			3423.00	21.00 Bottom Of Top Packer
Packer	5.00			3428.00	
Stubb	1.00			3429.00	
Perforations	3.00			3432.00	
Change Over Sub	1.00			3433.00	
Drill Pipe	93.00			3526.00	
Change Over Sub	1.00			3527.00	
Recorder	0.00	8369	Inside	3527.00	
Recorder	0.00	8700	Outside	3527.00	
Perforations	10.00			3537.00	
Bullnose	3.00			3540.00	112.00 Bottom Packers & Anchor

Total Tool Length: 133.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS
Dinges Family #1
Job Ticket: 49469 **DST#: 3**
Test Start: 2012.09.08 @ 21:00:00

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: 60000 ppm	
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Mud, 100%M	2.609
682.00	MW, 5%M, 95%W	9.567
124.00	Mud, 100%M	1.739

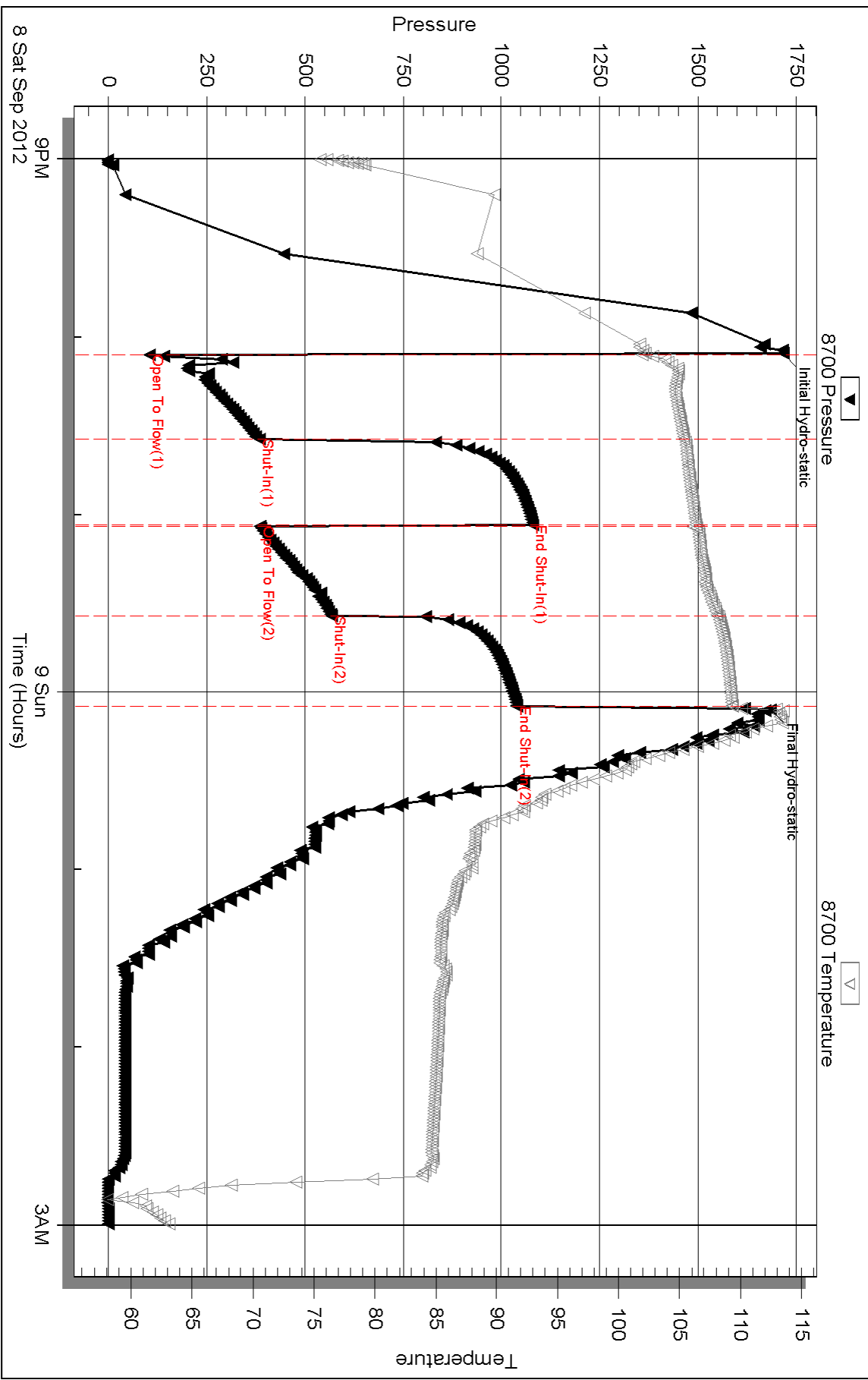
Total Length: 992.00 ft Total Volume: 13.915 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .15 @ 60 Degrees = 60,000 Chlorides

Pressure vs. Time



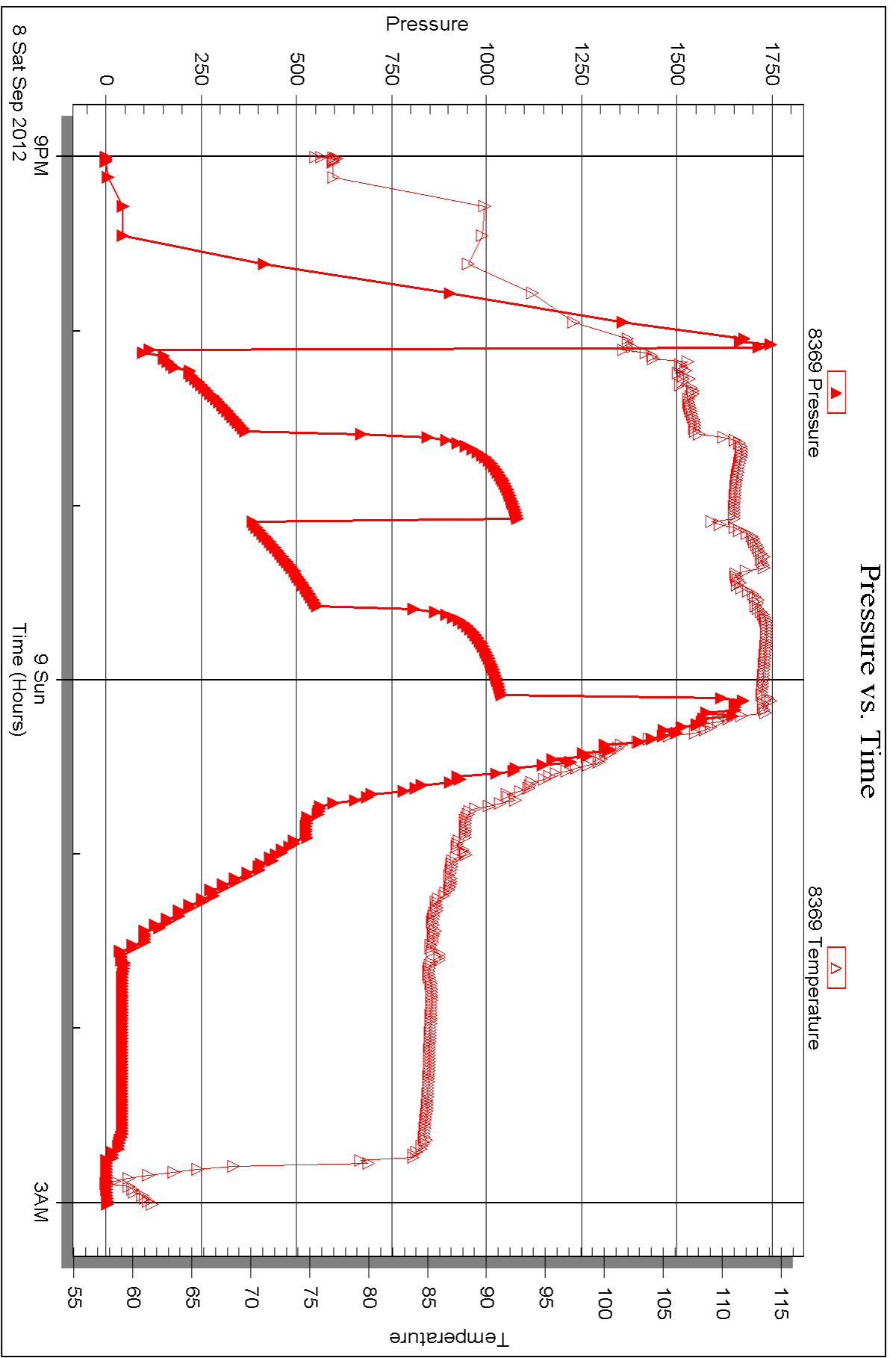
Serial #: 8369

Inside

TDI Inc

Dinges Family #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **TDI Inc**

1310 Bison Rd
Hays KS 67601-9696

ATTN: Tom Denning

Dinges Family #1

8-15s-19w Ellis,KS

Start Date: 2012.09.09 @ 17:20:00

End Date: 2012.09.09 @ 22:08:30

Job Ticket #: 49470 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.13 @ 14:27:54

TDI Inc
8-15s-19w Ellis,KS
Dinges Family #1
DST # 4
CG Sand
2012.09.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
 1310 Bison Rd
 Hays KS 67601-9696
 ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
 Job Ticket: 49470 **DST#: 4**
 Test Start: 2012.09.09 @ 17:20:00

GENERAL INFORMATION:

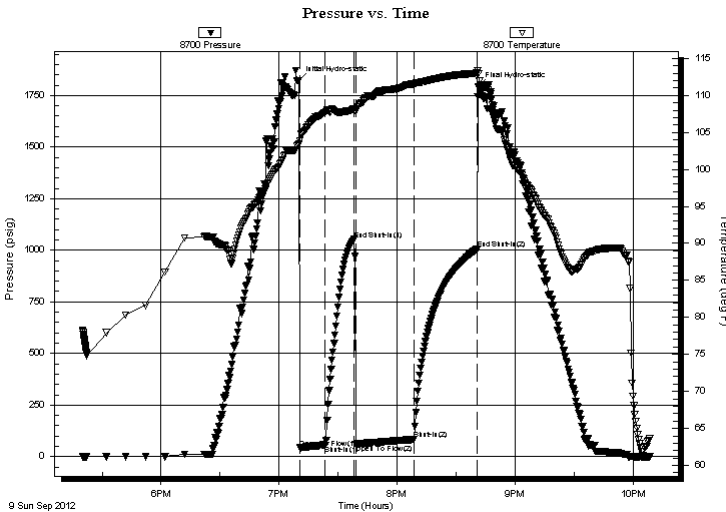
Formation: **CG Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:10:30
 Time Test Ended: 22:08:30
 Interval: **3658.00 ft (KB) To 3704.00 ft (KB) (TVD)**
 Total Depth: 3704.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 42
 Reference Elevations: 2037.00 ft (KB)
 2027.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8700 Outside

Press @ Run Depth: 83.03 psig @ 3695.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 17:20:05 End Time: 22:08:29 Time On Btm: 2012.09.09 @ 19:10:00
 Time Off Btm: 2012.09.09 @ 20:41:30

TEST COMMENT: 15 - IF- 5" blow
 15 - IS- No blow back.
 30 - FF- 3" Blow
 30 - FS- Noblow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.48	103.40	Initial Hydro-static
1	42.24	103.89	Open To Flow (1)
14	56.17	107.69	Shut-In(1)
28	1052.45	108.09	End Shut-In(1)
29	60.99	107.82	Open To Flow (2)
59	83.03	111.56	Shut-In(2)
91	1004.70	112.99	End Shut-In(2)
92	1793.71	112.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	Mud - Oil Scum, 100%M	1.29

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

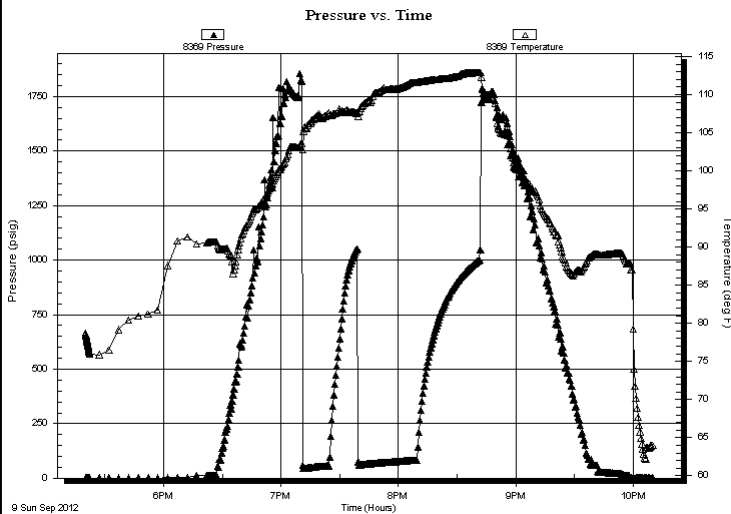
8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 49470 **DST#: 4**
Test Start: 2012.09.09 @ 17:20:00

GENERAL INFORMATION:

Formation: **CG Sand**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:10:30 Tester: Cody Bloedorn
Time Test Ended: 22:08:30 Unit No: 42
Interval: 3658.00 ft (KB) To 3704.00 ft (KB) (TVD) Reference Elevations: 2037.00 ft (KB)
Total Depth: 3704.00 ft (KB) (TVD) 2027.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: psig @ 3695.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
Start Time: 17:20:05 End Time: 22:09:59 Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF- 5" blow
15 - IS- No blow back.
30 - FF- 3" Blow
30 - FS- Noblow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
92.00	Mud - Oil Scum, 100%M	1.29

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis, KS
Dinges Family #1
Job Ticket: 49470 **DST#: 4**
Test Start: 2012.09.09 @ 17:20:00

Tool Information

Drill Pipe:	Length: 3644.00 ft	Diameter: 3.80 inches	Volume: 51.12 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 51.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3658.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	75.00 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			3630.00	
Shut In Tool	5.00			3635.00	
Hydraulic tool	5.00			3640.00	
Jars	5.00			3645.00	
Safety Joint	3.00			3648.00	
Packer	5.00			3653.00	29.00 Bottom Of Top Packer
Packer	5.00			3658.00	
Stubb	1.00			3659.00	
Perforations	3.00			3662.00	
Change Over Sub	1.00			3663.00	
Drill Pipe	31.00			3694.00	
Change Over Sub	1.00			3695.00	
Recorder	0.00	8369	Inside	3695.00	
Recorder	0.00	8700	Outside	3695.00	
Perforations	6.00			3701.00	
Bullnose	3.00			3704.00	46.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI Inc
1310 Bison Rd
Hays KS 67601-9696
ATTN: Tom Denning

8-15s-19w Ellis,KS
Dinges Family #1
Job Ticket: 49470 **DST#: 4**
Test Start: 2012.09.09 @ 17:20:00

Mud and Cushion Information

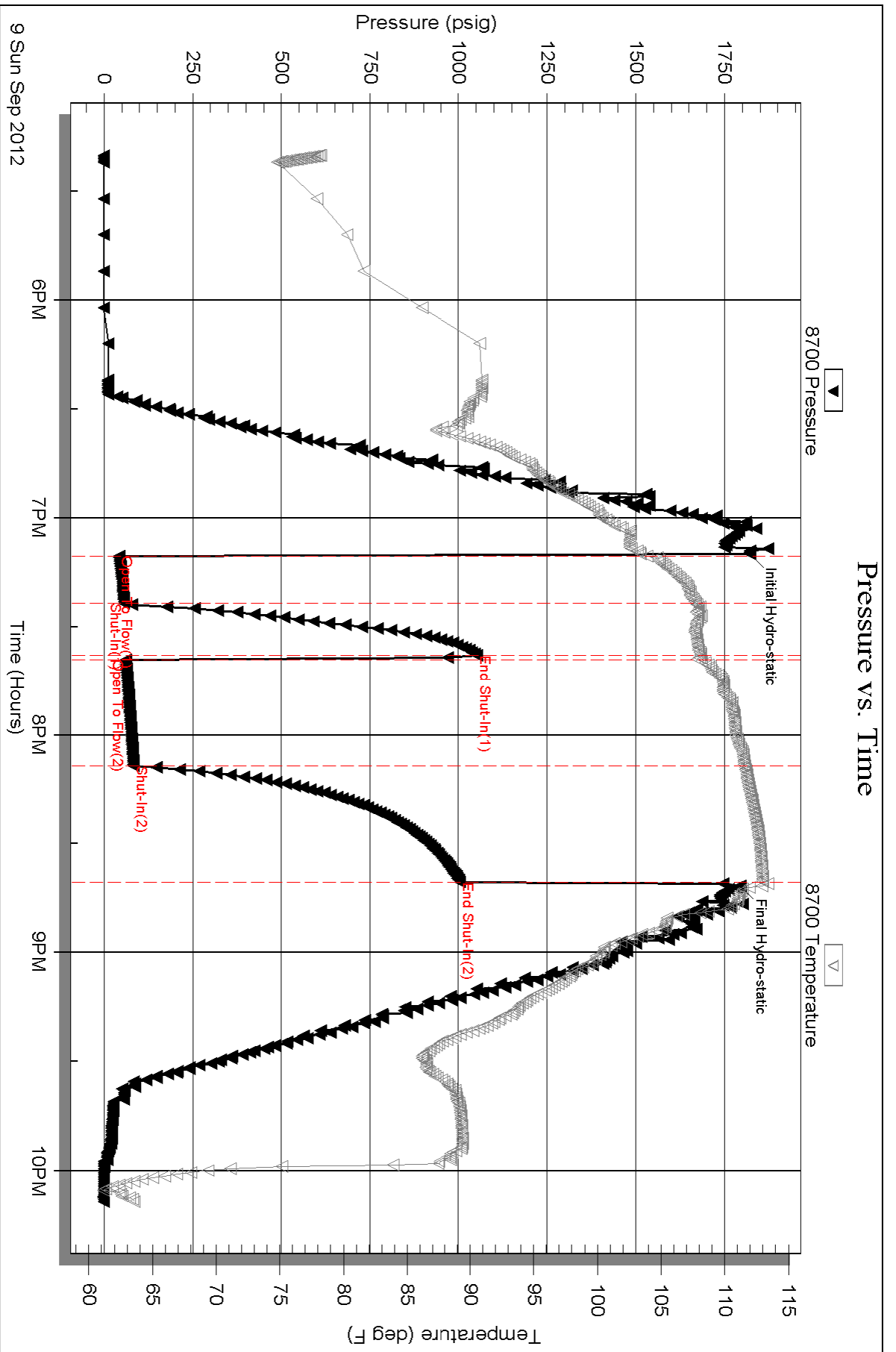
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	Mud - Oil Scum, 100%M	1.291

Total Length: 92.00 ft Total Volume: 1.291 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



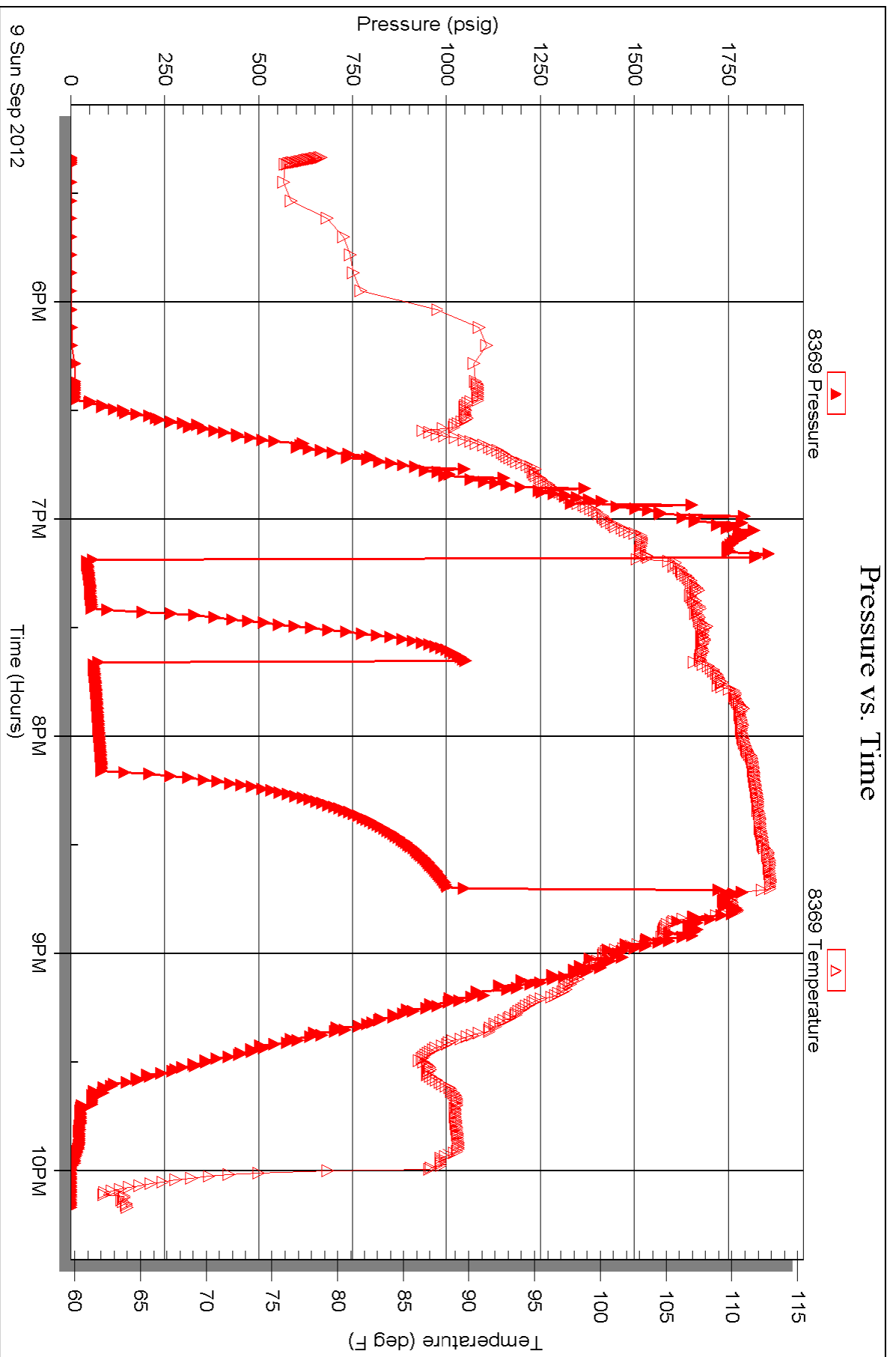
Serial #: 8369

Inside

TDI Inc

Dinges Family #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 49470

Printed: 2012.09.13 @ 14:27:59



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48679

Well Name & No. Dinges Family #1 Test No. 1 Date 9-7-12
 Company TDT Inc Elevation 2037 KB 2027 GL
 Address 1310 Bison Rd Hays, Ks 67601-9696
 Co. Rep / Geo. Herb Dienes Rig Southwind rig 1
 Location: Sec. 8 Twp. 15^s Rge. 19^w Co. ELLIS State Ks

Interval Tested 3355-3377 Zone Tested LKC "C"
 Anchor Length 22 Drill Pipe Run 3359 Mud Wt. 8.8
 Top Packer Depth 3350 Drill Collars Run — Vis 47
 Bottom Packer Depth 3355 Wt. Pipe Run — WL 7.6
 Total Depth 3377 Chlorides 4200 ppm System LCM 1#
 Blow Description IFF - WEAK TO A FAIR BLOW 1/2" TO 4/4" BLOW
ISIP - NO BLOW
FFP - STRONG BLOW IN 2 MIN
FSIP - STRONG BLOW BACK IN 7 MIN

Rec	Feet of	%gas	%oil	%water	%mud
870	GIP				
5	OT GCM	10	10		80
62	GMO	50	30		20
62	GMO	40	50		10
124	CO				
5	258 WATER BHT				

A) Initial Hydrostatic 1589
 B) First Initial Flow —
 C) First Final Flow —
 D) Initial Shut-In 1007
 E) Second Initial Flow 72
 F) Second Final Flow 116
 G) Final Shut-In 949
 H) Final Hydrostatic 1571
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Gravity 37 API RW — @ — ° F Chlorides — ppm
 Test 1150
 Jars
 Safety Joint
 Circ Sub
 Hourly Standby
 Mileage 36 RT 55.80
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1205.80
 T-On Location 1255
 T-Started 1450
 T-Open 1650
 T-Pulled 1935
 T-Out 2116
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1205.80
 MP/DST Disc't _____

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49468

Well Name & No. Dinges Family #1 Test No. 2 Date 9-8-12
 Company TDI Inc. Elevation 2037 KB 2027 GL
 Address 1310 Bison Rd, Hays KS, 67601
 Co. Rep / Geo. Herb Rig Southwind #1
 Location: Sec. 8 Twp. 15s Rge. 19w Co. ELLIS State KS

Interval Tested 3377-3414 Zone Tested D-F-Top of G
 Anchor Length 37' Drill Pipe Run 3361 Mud Wt. 8.8
 Top Packer Depth 3372 Drill Collars Run - Vis 47
 Bottom Packer Depth 3377 Wt. Pipe Run - WL 7.6
 Total Depth 3414 Chlorides 4200 ppm System LCM -

Blow Description IF- 1/4" blow & dying
ISI- No blow back
FF- No blow, waited 10 min, flushed tool, surged & died. waited 10 min. pulled.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud-Gil Scum</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 101° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1628 Test 1150 T-On Location 4:05 am
 (B) First Initial Flow 10 Jars T-Started 4:30 am
 (C) First Final Flow 14 Safety Joint T-Open 6:09 am
 (D) Initial Shut-In 35 Circ Sub T-Pulled 7:44 am
 (E) Second Initial Flow 13 Hourly Standby T-Out 9:20 am
 (F) Second Final Flow - Mileage 55.80 Comments _____
 (G) Final Shut-In 14 Sampler _____
 (H) Final Hydrostatic 1600 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1205.80
 Final Flow 20-Pulled Accessibility _____ MP/DST Disc't _____
 Final Shut-In - _____
 Sub Total 1205.80

Approved By _____ Our Representative Cody Beck

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49469

4/10

Well Name & No. Dinges Family #1 Test No. 3 Date 9-8-12
 Company TDI, INC. Elevation 2037 KB 2027 GL
 Address 1310 Bison RD, Hays KS, 67601
 Co. Rep / Geo. Herb Rig Southwind #1
 Location: Sec. 8 Twp. 15S Rge. 19W Co. ELLIS State KS

Interval Tested 3428-3540 Zone Tested H, I, J
 Anchor Length 112' Drill Pipe Run 3425' Mud Wt. 9.2
 Top Packer Depth 3423 Drill Collars Run — Vis 59
 Bottom Packer Depth 3428 Wt. Pipe Run — WL 7.2
 Total Depth 3540 Chlorides 4200 ppm System LCM —

Blow Description IF - B.O.B. in 2 Min.
ISI - No blow back
FF - B.O.B. in 3 Min.
FSI - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>Mud</u>			<u>100</u>	
<u>682</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>124</u>	<u>Mud</u>			<u>100</u>	

Rec Total 992' BHT 1090 Gravity — API RW .15 @ 60 °F Chlorides 6000 ppm
 (A) Initial Hydrostatic 1716 Test 1150 T-On Location 7:30pm
 (B) First Initial Flow 105 Jars T-Started 9:00pm
 (C) First Final Flow 385 Safety Joint T-Open 10:07pm
 (D) Initial Shut-In 1081 Circ Sub T-Pulled 12:07am
 (E) Second Initial Flow 385 Hourly Standby T-Out 3:00am
 (F) Second Final Flow 567 Mileage 55.80 Comments _____
 (G) Final Shut-In 1039 Sampler _____
 (H) Final Hydrostatic 1685 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1205.80
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1205.80

Approved By _____ Our Representative Cody Bloodorn

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49470

Well Name & No. Dinges Family #1 Test No. 4 Date 9-9-12
 Company TDI INC Elevation 2037 KB 2027 GL
 Address 1310 Bison RD, Hays KS, 67601
 Co. Rep / Geo. Herb Rig Southwind #1
 Location: Sec. 8 Twp. 15s Rge. 19w Co. Ellis State KS

Interval Tested 3658-3704 Zone Tested C.G. Sand
 Anchor Length 46' Drill Pipe Run 3644 Mud Wt. 9.1
 Top Packer Depth 3653 Drill Collars Run — Vis 59
 Bottom Packer Depth 3658 Wt. Pipe Run — WL 7.8
 Total Depth 3704 Chlorides 4200 ppm System LCM —
 Blow Description FF-5" blow
ISI- No blow back.
FF-3" blow
FSI- No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
107 107	Feet of			100	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total ~~107~~ 107' BHT 1120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1822</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>2:45 pm</u>
(B) First Initial Flow	<u>42</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>5:20 pm</u>
(C) First Final Flow	<u>56</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>7:12 pm</u>
(D) Initial Shut-In	<u>1052</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>8:42 pm</u>
(E) Second Initial Flow	<u>60</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>10:11 pm</u>
(F) Second Final Flow	<u>83</u>	<input checked="" type="checkbox"/> Mileage	<u>55.80</u>	Comments	
(G) Final Shut-In	<u>1004</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1793</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 15
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 30

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1530.80

MP/DST Disc't —

Approved By _____ Our Representative Cody Blank

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.

OPERATOR

Company: TDI, INC
 Address: 1310 BISON ROAD
 HAYS, KANSAS

Contact Geologist: TOM DENNING
 Contact Phone Nbr: 785-259-3141
 Well Name: DINGES FAMILY # 1
 Location: N2 NE SE NW Sec.8-15s-19w
 Pool: WILDCAT
 State: KANSAS

API: 15-051-26,346-00-00
 Field: UNNAMED
 Country: USA



1310 BISON ROAD
 HAYS, KANSAS 67601
 (785) 628-2593

Scale 1:240 Imperial

Well Name: DINGES FAMILY # 1
 Surface Location: N2 NE SE NW Sec.8-15s-19w
 Bottom Location:
 API: 15-051-26,346-00-00
 License Number: 4787
 Spud Date: 8/31/2012 Time: 2:15 PM
 Region: ELLIS COUNTY
 Drilling Completed: 9/9/2012 Time: 12:41 PM
 Surface Coordinates: 1425' FNL & 2310' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 0.00ft
 K.B. Elevation: 2037.00ft
 Logged Interval: 2200.00ft To: 3704.00ft
 Total Depth: 3704.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1425' FNL
 E/W Co-ord: 2310' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.
 Rig #: 1
 Rig Type: MUD ROTARY

Rig Type: MUD ROTARY
Spud Date: 8/31/2012
TD Date: 9/9/2012
Rig Release: 9/10/2012

Time: 2:15 PM
Time: 12:41 PM
Time: 6:00 PM

ELEVATIONS

K.B. Elevation: 2037.00ft
K.B. to Ground: 2037.00ft

Ground Elevation: 0.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND RESULTS OF DST # 1.

WELL LOGGED BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

WELL TESTING DONE BY TRILOBITE TESTING, INC. 4 DSTS

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

DINGES FAMILY # 1

1425' FNL & 2310' FWL, NW/4

Sec.8-15s-19w

2027' GL 2037' KB


<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>
Anhydrite	1276+761	1275+ 762
B-Anhydrite	1313+ 724	1312+ 725
Topeka	3022- 985	3024- 987
Heebner Shale	3295-1258	3295-1258
Toronto	3313-1276	3315-1278
LKC	3340-1303	3340-1303
BKC	3600-1563	3588-1551
Conglomerate Sand	3672-1635	3665-1628
Arbuckle	NONE	NONE
Reagan Sand	NOT CALLED	NOT CALLED
RTD	3704-1667	
LTD		3703-1666

SUMMARY OF DAILY ACTIVITY

8-31-12 RU, Spud, set 8 5/8" surface casing to 213' w/ 150 sxs Common, 2%Gel, 3%CC
9-01-12 215', shut down for holiday
9-02-12 215', shut down for holiday

9-03-12 215', shut down for holiday
 9-04-12 215', drilling plug
 9-05-12 1500', drilling
 9-06-12 2580', drilling, displace 2898'-2928'
 9-07-12 3375', DST # 1 3355'-3377' "C" zone
 9-08-12 3424', DST # 2 3377'-3414' "D-G", DST #3 3428'-3540' "H,I,J"
 9-09-12 3560', drilling, DST #4 3658'-3704' Congl Sand, Log behind test
 9-10-12 3704, finish logging, run production casing, rig down

DST # 1 TEST SUMMARY

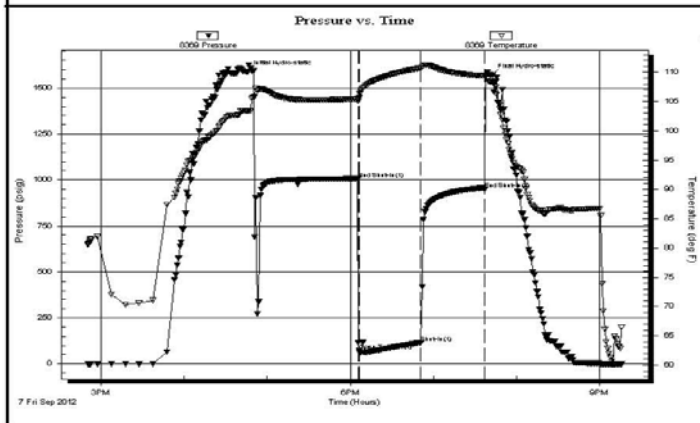
	DRILL STEM TEST REPORT	
	TDI Inc 1310 Bison Rd Hays Ks 67601-9696 ATTN: Tom Denning	8-15S-19W Ellis Dinges Family #1 Job Ticket: 48679 DST#: 1 Test Start: 2012.09.07 @ 14:50:24

GENERAL INFORMATION:

Formation: LKC "C"	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Ray Schwager
Time Tool Opened: 18:06:19	Unit No: 42
Time Test Ended: 21:16:18	Reference Elevations: 2037.00 ft (KB)
Interval: 3355.00 ft (KB) To 3377.00 ft (KB) (TVD)	2027.00 ft (CF)
Total Depth: 3377.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.85 inches Hole Condition: Fair	

Serial #: 8369 Inside	Capacity: 8000.00 psig
Press@RunDepth: 116.52 psig @ 3356.00 ft (KB)	Last Calib.: 2012.09.07
Start Date: 2012.09.07 End Date: 2012.09.07	Time On Btm: 2012.09.07 @ 16:45:19
Start Time: 14:50:24 End Time: 21:16:18	Time Off Btm: 2012.09.07 @ 19:41:48

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4 1/4" bl
 45-ISIP-no bl
 45-FFP-strg bl in 2 min
 45-FSP-strg bl bk in 7 min


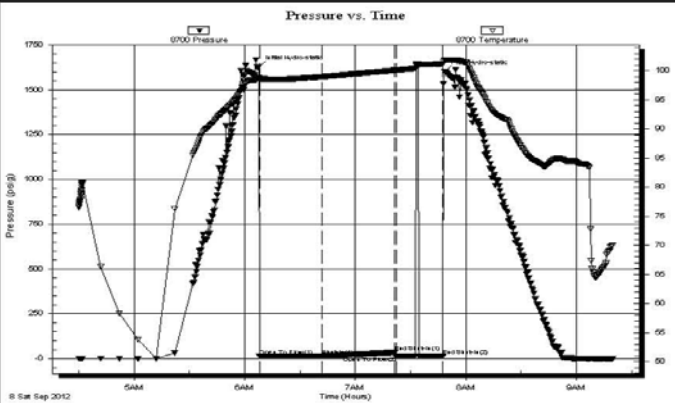


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.48	103.45	Initial Hydro-static
80	1007.58	105.48	End Shut-In(1)
81	72.71	105.61	Open To Flow (1)
126	116.52	110.74	Shut-In(1)
172	949.13	109.34	End Shut-In(2)
177	1571.73	108.34	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	870'GIP	0.00
5.00	O&GCM 10-%G10&O80%M	0.07
62.00	GMO 50%G20%M30%O	0.87
62.00	GMO 40%G10%M50%O	0.87
124.00	OO	1.74

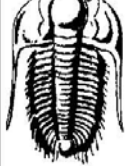
Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DST # 2 TEST SUMMARY

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT																																						
	TDI Inc 1310 Bison Rd Hays Ks 67601-9696 ATTN: Tom Denning	8-15S-19W Ellis Dinges Family #1 Job Ticket: 49468 DST#: 2 Test Start: 2012.09.08 @ 04:30:00																																					
GENERAL INFORMATION: Formation: LKC - "D- F", top o Deviated: No Whipstock: ft (KB) Time Tool Opened: 06:08:00 Time Test Ended: 09:19:30 Test Type: Conventional Bottom Hole (Reset) Tester: Cody Bloedorn Unit No: 42 Interval: 3377.00 ft (KB) To 3414.00 ft (KB) (TVD) Total Depth: 3414.00 ft (KB) (TVD) Reference Elevations: 2037.00 ft (KB) Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 10.00 ft 2027.00 ft (CF)																																							
Serial #: 8700 Outside Press@RunDepth: 14.74 psig @ 3378.00 ft (KB) Capacity: 8000.00 psig Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08 Start Time: 04:30:05 End Time: 09:19:29 Time On Btm: 2012.09.08 @ 06:07:30 Time Off Btm: 2012.09.08 @ 07:48:30																																							
TEST COMMENT: 30 - IF- 1/4" Blow and Dying 45 - IS- No blow back 20 - FF- Waited 10 Min, no blow , Flushed tool, surged and died, w aited 10 Min. Pulled tool																																							
 <p style="font-size: small;">Pressure (psig) vs. Time (Hours) graph. The graph shows pressure (psig) on the left y-axis (0 to 1750) and temperature (deg F) on the right y-axis (80 to 100). The x-axis shows time from 5AM to 9AM. Two curves are plotted: Pressure (solid line) and Temperature (dashed line). Key points are marked: Initial Hydro-static at 0 min, Open To Flow (1) at 1 min, Shut-In(1) at 35 min, End Shut-In(1) at 74 min, Open To Flow (2) at 75 min, End Shut-In(2) at 100 min, and Final Hydro-static at 101 min.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">PRESSURE SUMMARY</th> </tr> <tr> <th style="width:10%;">Time (Min.)</th> <th style="width:15%;">Pressure (psig)</th> <th style="width:15%;">Temp (deg F)</th> <th style="width:60%;">Annotation</th> </tr> </thead> <tbody> <tr><td>0</td><td>1628.63</td><td>98.87</td><td>Initial Hydro-static</td></tr> <tr><td>1</td><td>12.55</td><td>98.55</td><td>Open To Flow (1)</td></tr> <tr><td>35</td><td>14.74</td><td>98.99</td><td>Shut-In(1)</td></tr> <tr><td>74</td><td>35.15</td><td>100.11</td><td>End Shut-In(1)</td></tr> <tr><td>75</td><td>13.41</td><td>100.13</td><td>Open To Flow (2)</td></tr> <tr><td>100</td><td>14.10</td><td>101.21</td><td>End Shut-In(2)</td></tr> <tr><td>101</td><td>1600.40</td><td>101.93</td><td>Final Hydro-static</td></tr> </tbody> </table>			PRESSURE SUMMARY				Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1628.63	98.87	Initial Hydro-static	1	12.55	98.55	Open To Flow (1)	35	14.74	98.99	Shut-In(1)	74	35.15	100.11	End Shut-In(1)	75	13.41	100.13	Open To Flow (2)	100	14.10	101.21	End Shut-In(2)	101	1600.40	101.93	Final Hydro-static
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DST # 3 TEST SUMMARY

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

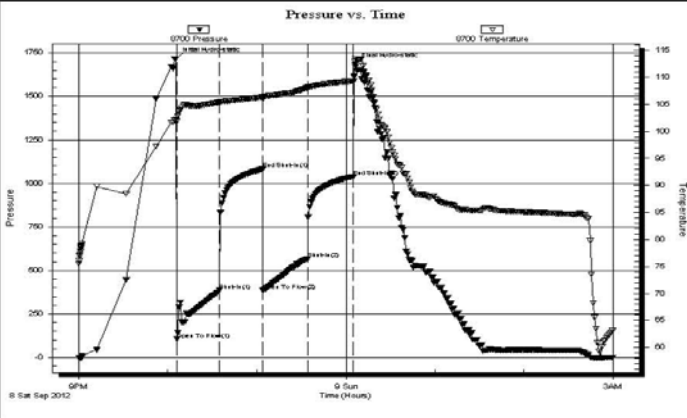
TDI Inc **8-15S-19W Ellis**
 1310 Bison Rd **Dinges Family #1**
 Hays Ks 67601-9696 Job Ticket: 49469 **DST#: 3**
 ATTN: Tom Denning Test Start: 2012.09.08 @ 21:00:00

GENERAL INFORMATION:

Formation: **H,I,J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:06:00
 Time Test Ended: 02:59:30
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 42
 Interval: **3428.00 ft (KB) To 3540.00 ft (KB) (TVD)**
 Total Depth: 3540.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair Reference Elevations: 2037.00 ft (KB)
 2027.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8700 Outside
 Press@RunDepth: 567.39 psig @ 3527.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.08 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 21:00:05 End Time: 02:59:29 Time On Btm: 2012.09.08 @ 22:05:30
 Time Off Btm: 2012.09.09 @ 00:06:00

TEST COMMENT: 30 - IF- B.O.B. in 2 Min.
 30 - IS- No blow back
 30 - FF- B.O.B. in 3 Min.
 30 - FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.38	102.19	Initial Hydro-static
1	105.15	101.92	Open To Flow (1)
29	385.20	105.37	Shut-In(1)
58	1081.52	106.35	End Shut-In(1)
59	385.71	106.07	Open To Flow (2)
89	567.39	108.10	Shut-In(2)
120	1039.66	109.31	End Shut-In(2)
121	1685.09	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Mud, 100% M	2.61
682.00	MV, 5% M, 95% W	9.57
124.00	Mud, 100% M	1.74

Gas Rates

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

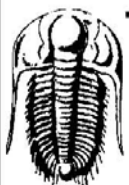
* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 49469

Printed: 2012.09.09 @ 06:56:20

DST # 4 TEST SUMMARY



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

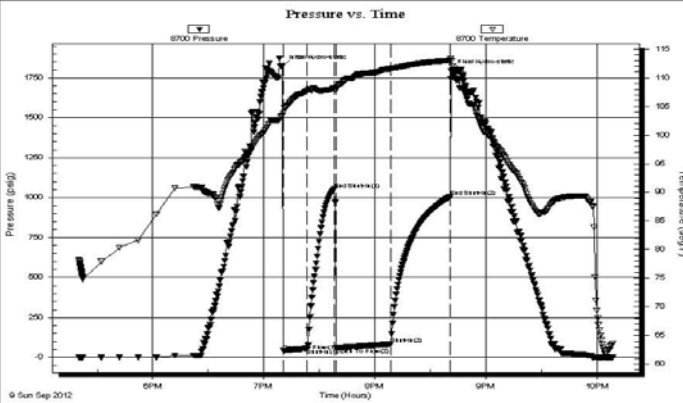
TDI Inc **8-15S-19W Ellis**
 1310 Bison Rd **Dinges Family #1**
 Hays Ks 67601-9696 Job Ticket: 49470 **DST#: 4**
 ATTN: Tom Denning Test Start: 2012.09.09 @ 17:20:00

GENERAL INFORMATION:

Formation: **CG Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:10:30
 Time Test Ended: 22:08:30
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 42
 Interval: **3658.00 ft (KB) To 3704.00 ft (KB) (TVD)**
 Total Depth: 3704.00 ft (KB) (TVD)
 Reference Elevations: 2037.00 ft (KB)
 2027.00 ft (CF)

Serial #: 8700 **Outside**
 Press@RunDepth: 83.03 psig @ 3695.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 17:20:05 End Time: 22:08:29 Time On Btm: 2012.09.09 @ 19:10:00
 Time Off Btm: 2012.09.09 @ 20:41:30

TEST COMMENT: 15 - IF- 5" blow
 15 - IS- No blow back
 30 - FF- 3" Blow
 30 - FSI- Noblow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.48	103.40	Initial Hydro-static
1	42.24	103.89	Open To Flow (1)
14	56.17	107.69	Shut-In(1)
28	1052.45	108.09	End Shut-In(1)
29	60.99	107.82	Open To Flow (2)
59	83.03	111.56	Shut-In(2)
91	1004.70	112.99	End Shut-In(2)
92	1793.71	112.93	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
92.00	Mud - Oil Scum, 100%M	1.29

* Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 49470

Printed: 2012.09.09 @ 23:37:34

ROCK TYPES

Clystgy	Lmst fw7>	Carbon Sh	Dol Lime
Chtcong1	shale, grn	shale, red	Lscong1
Lmst fw<7	shale, gry	Ss	CglSandy

ACCESSORIES

MINERAL	FOSSIL
P Pyrite	⊕ Oolite
⊕ Varicolored chert	⊕ Oomoldic
△ Chert White	

OTHER SYMBOLS

DST

	DST Int
	DST alt
	Core

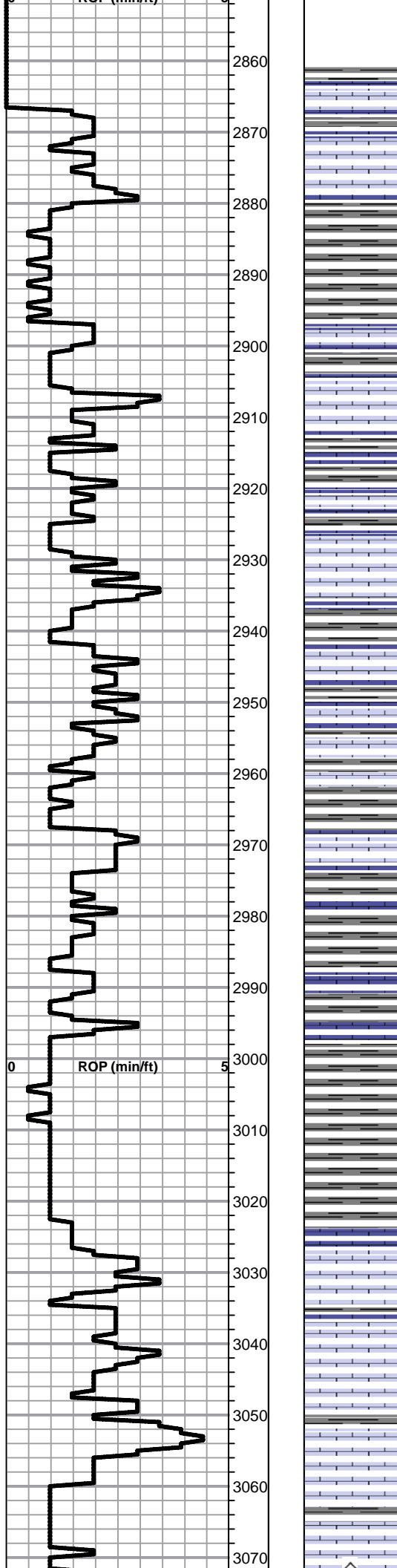
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

Curve Track #1 ROP (min/ft)	Depth Intervals Cored Interval DST Interval	DST	Lithology	Oil Show	Geological Descriptions	TG, C1 - C5
1:240 Imperial ROP (min/ft)	1:240 Imperial					1:240 Imperial

BEGIN 1' DRILL TIME FROM 2850' TO RTD
BEGIN 10' WET AND DRY SAMPLES FROM 3000' TO RTD

8 5/8" SURFACE CASING SET
TO 213' W/ 150 SACKS
COMMON, 2%Gel, 3%CC

ANHYDRITE SPL TOP 1276+761 ELog 1275+762
ANHYDRITE SPL BASE 1313+724 ELog 1312+725



Shale, med gray forming soft mud clusters
Lime, med brn, fnxln, slightly fossiliferous with mix of gray, fnxln lime

Lime, grayish brn, fnxln
Shale, lt-med gray, soft blocky

Lime, brn-gray, fnxln, slightly fossiliferous
Shale, lt gray forming soft mud

Shale, lt-med brn, soft blocky to soft mud clusters

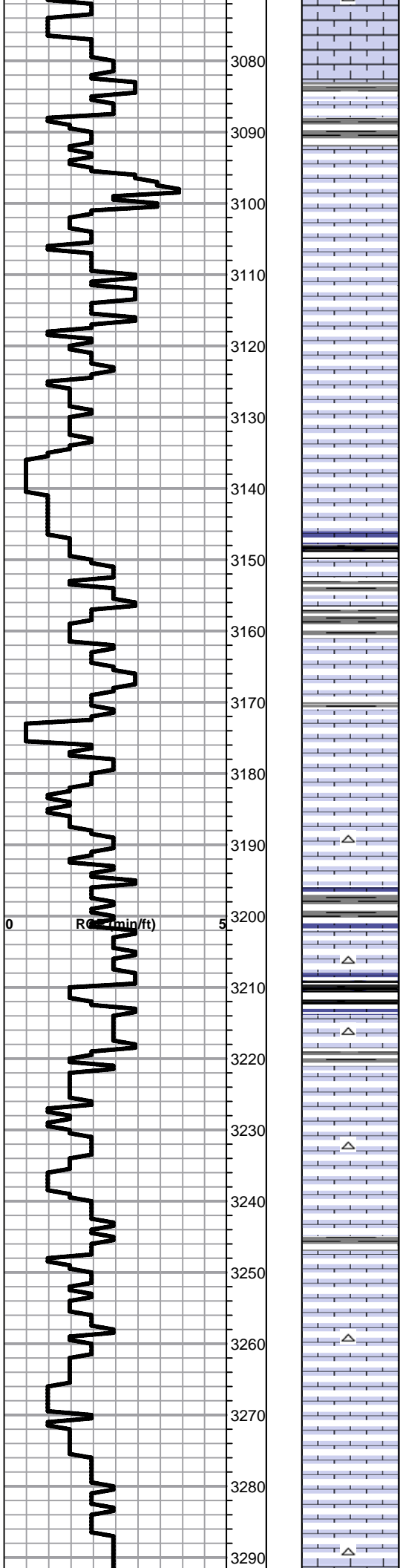
TOPEKA SPL 3022-985 ELog 3024-987

Lime, crm-tan, fnxln, soft on crush, bedded chalk, slightly fossiliferous

Lime, crm-lt brn-grayish brn, fnxln, chalk in part, slightly fossiliferous

Lime, lt-med brn-gray, fnxln

Lime, crm-lt-med brn, granular, slightly fossiliferous, bedded chalk in part, NS



Lime, offwhite-lt grayish brn, fnxln-granular in part

3080

Lime, offwhite-lt-med brn, fnxln, slightly fossiliferous

3090

Lime, lt-med brn-grayish brn, fnxln

3100

Lime, lt-med brn, fnxln-granular, slight chalk, NS

3110

Lime, lt-med brn, fnxln-granular in part

3120

Lime, med brn-med gray, fnxln, fossiliferous in part

3130

Lime, lt-med brn, granular, bedded chalk in part, slightly fossiliferous

3140

Shale, gray-black carbonaceous

3150

Lime, lt-med brn, fnxln
Shale, med gray, calcareous

3160

Lime, tan-lt brn, fn-vfxln, very clean in appearance

3170

Lime, lt brn-lt grayish brn, fnxln-granular, slightly fossiliferous, NS

3180

Lime, lt brn, fnxln-granular, bedded chalk, lt gray fossiliferous chert

3190

Lime, lt brn, shale inclusions in part, fnxln

3200

Shale, gray-black carbonaceous
Lime, crm-lt brn, fn-vfxln micritic in part
Shale, lt gray, calcareous

3210

Lime, lt-med brn-grayish brn, fnxln, lt bedded chalk in part

3220

Lime, lt-med brn-grayish brn, fnxln-granular, NS

3230

Lime, lt-med brn, most fnxln w/ granular in part, lt bedded chalk in part, NS

3240

Lime, lt brn, fnxln-granular, bedded chalk in part NS

3250

Lime, lt-med brn, fnxln-granular, bedded chalk

3260

Lime, lt brn, fnxln-granular, bedded chalk, slight fossiliferous

3270

Lime, lt brn, fnxln-granular, bedded chalk, slightly fossiliferous

3280

3290

0 5
RC (min/ft)

HEEBNER SHALE SPL 3295-1258 ELOG 3295-1258

Shale, black carbonaceous, fissile, blocky
Lime, med brn, fnxln

Shale, lime green, soft to lt gray, soft mud

TORONTO SPL 3313-1276 ELog 3315-1278

Lime, white-crm, fn-vfxln, bed chalk in part, NS

Lime, white ,fnxln, micrite in part
Shale, red wash grading into lt gray soft mud

LKC SPL 3340-1303 ELog 3340-1303

Lime, grayish brn, fnxln

Lime, tan-lt brn, fnxln with bedded chalk in part

Lime, lt brn-lt gray, fnxln, lt bedded chalk in part

Lime, lt brn, oolitic-oolimoldic, scattered to saturated stain, lt odor, show of lt gassy oil on break

DST # 1 3355' TO 3377' SEE HEADER FOR TEST SUMMARY

Slope @ 3375' 3/4 degree

Lime, lt brn, fnxln

Lime, crm-tan, fnxln, scattered oolitic-oolimoldic with interoolitic and vuggy porosity, V Lt Odor, Lt stain

DST # 2 3377' TO 3414' SEE HEADER FOR TEST SUMMARY

Lime, tan-lt brn, fnxln
Shale, med gray-black carbonaceous

Lime, tan-lt brn, oolitic in part with lt staining, V Lt Odor, NFO

Lime, lt-med brn, mostly fnxln, scattered vuggy porosity with lt gassy oil on break

Lime, crm-tan, fnxln-granular, bed chalk with sticky clusters in part, white chalk wash

Lime, crm-tan, fnxln with bedded chalk

Lime, tan, fn-vfxln, bedded chalk

Lime, crm-tan, fn-vfxln, chalky

Shale, gray-black carbonaceous
Lime, lt-dark brn, fn-vfxln, hard on crush

Shale, dove gray, soft mud

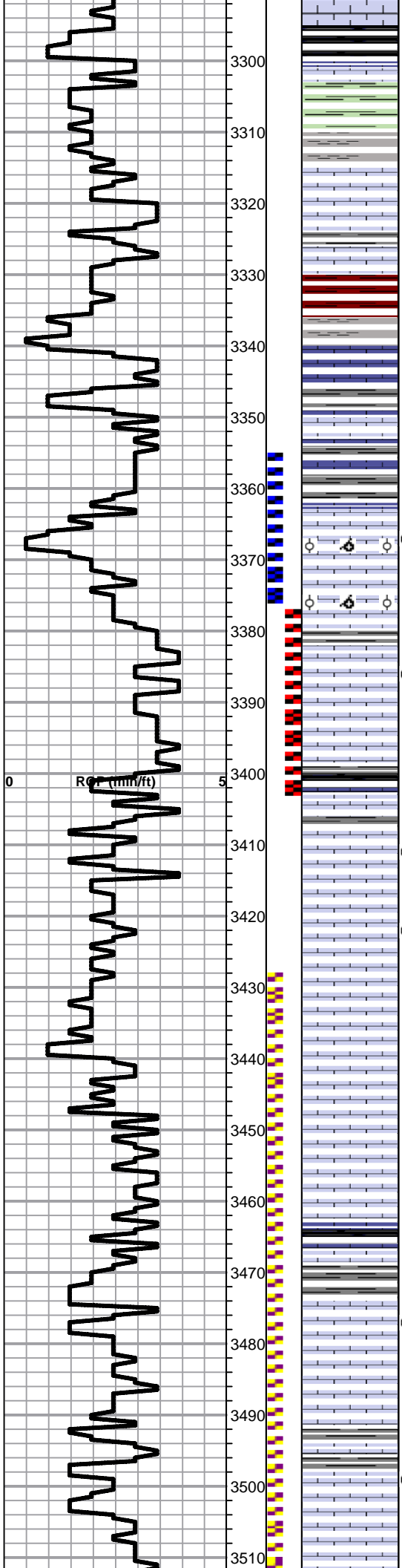
Lime, tan-lt brn, mostly fnxln with 2 pieces with poorly developed vuggy porosity, scattered stain, NFO, No Odor

DST # 3 3428' TO 3540' SEE HEADER FOR TEST SUMMARY

Lime,crm-tan, fnxln, bedded chalk

Lime, lt-med brn, fnxln, few chips of oolitic with fossil fragments, scattered to saturated staining, gilsonitic

Lime, crm-offwhite, fn-vfxln, bedded chalk



RCF (millifoot)

0

5

3300

3310

3320

3330

3340

3350

3360

3370

3380

3390

3400

3410

3420

3430

3440

3450

3460

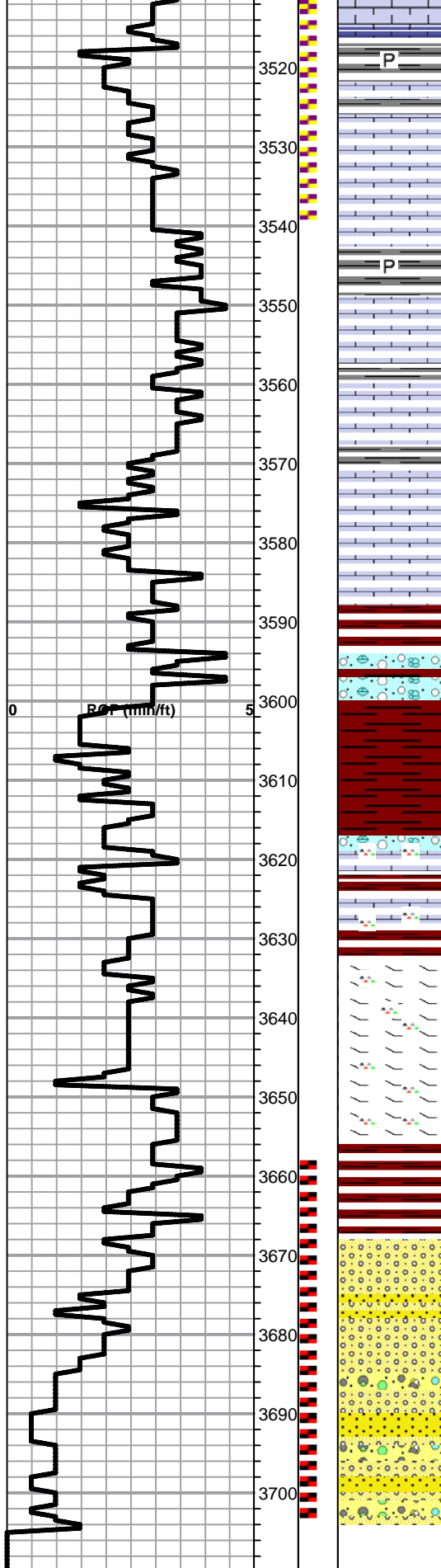
3470

3480

3490

3500

3510



Shale, gray, soft, pyrite clusters

Lime, offwhite-tan-lt brn, fn-vfxln, light bedded chalk, trace of staining in scattered vuggy porosity

Lime, lt-med brn, fnxln

Shale, gray-grayish brn, soft blocky, pyrite clusters

Lime, tan-med brn, fnxln

Lime, lt brn-lt grayish brn, fn-vfxln, bedded chalk

Lime, offwhite-lt brn, fn-vfxln, chalk in part

Lime, lt-med brn, fnxln, light bedded chalk in part

BKC SPL 3600-1563 ELog 3588-1551

Shale, red wash with mix of clastic lime rubble

Shale, lt red-gray with lt red wash

Shale, red wash, soft

Lime, crm-tan, fnxln with clastic lime mix in part

MARMATON MARKER ELog 3633-1596

Lime, crm-tan-lt brn, dolomitic, hard on crush, cherty

Lime, crm-tan, fn-vfxln, hard with orange chert in part

Shale, red wash, soft sticky in part

CONGLOMERATE SAND ELog 3665-1628

Sandy well cemented mix, poorly sorted with mix of chert

Scattered clusters of well sorted sand with show of lt oil on break mixed with mostly cemented, poorly developed sand

Mix of soft white clay, vari colored cherts and poorly developed sandstone

RTD 3704-1667 LTD 3703-1666

DST # 4 3658' TO 3704' SEE HEADER FOR TEST SUMMARY

RAN 14# 5 1/2" PRODUCTION CASING TO 3702' WITH 150 SXS EA2. DV IN ANHYDRITE CEMENTED WITH 155 SXS SMD

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5036

Date	8-31-12	Sec.	8	Twp.	15	Range	19	County	Ellis	State	Ks	On Location		Finish	8:00 AM
Lease	Dinges			Well No.	1			Location	Antonio, Ks - 3 W, 15, 12 W						
Contractor	Southwind #1							Owner	Sinto						
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"			T.D.	215'			Charge To	TDI Inc.						
Csg.	8 5/8"			Depth	213'			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	15'			Shoe Joint	15'			Cement Amount Ordered 150 sk Common 3 1/2 cc							
Meas Line				Displace	12 1/2 BCS										

EQUIPMENT

Pumptrk	15	No.	Cementer		2% Gel
			Helper	Nick	Common 150
Bulktrk	13	No.	Driver	Levy	Poz. Mix
			Driver		Gel. 3
Bulktrk	pu.	No.	Driver	Rick	Calcium 5
			Driver		

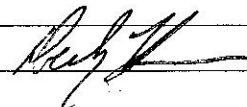
JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Cement did Circulate.	Sand
	Handling 158
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	14

	Tax
	Discount
	Total Charge

X Signature 

JOB LOG

SWIFT Services, Inc.

DATE 9-10-12 PAGE NO. 1

CUSTOMER TDI WELL NO. #1 LEASE Diggs Family JOB TYPE 2-stage TICKET NO. 21886

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							on loc start FE
								RTD 3704' 5 1/2" x 14" x 3703' x 44' Cent. 1, 3, 5, 9, 2, 8, 10, 11, 56 Back 2, 93, 57, 76 DV 57 @ 1266'
	1320							Start FE
	1510							Break Circ
	1600	5	0				200	1500 500 gal Mud/Flush Start Pre-flushes 20 bbl KCL Flush
	1605	5	32/0				200	Start 150 sks EA-2
	1612		36					End Cement Wash P&L Drop L D Plug
	1618	6	0				200	Start Displacement wtr
	1628	6	60				200	Mud
	1631	5	78				250	KCL Flush
	1633		89				400/1200	Land Plug Release Pressure/Float Hold
	1638							Drop Opening Plug
	1645	2.5	7					Plug RHM 30 sks SMD / 15 sks SMD
	1655						1100	Open DV
	1656	6	0				150	Start 150 sks SMD
	1715		86					End Cement Drop Closing Plug
	1720	5	0				150	Start Displacement
	1725	4	24				300	Circ Cement
	1727		31				400/1200	Land Plug Close DV Release Pressure/DV Closed
								Circ 25 sks to Pit
								Thank you Nick, David E, & Son

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 16, 2013

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO1
API 15-051-26346-00-00
Dinges Family 1
NW/4 Sec.08-15S-19W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tom Denning

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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Fax: 316-337-6211
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Sam Brownback, Governor

January 17, 2013

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO-1
API 15-051-26346-00-00
Dinges Family 1
NW/4 Sec.08-15S-19W
Ellis County, Kansas

Dear Tom Denning:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 8/31/2012 and the ACO-1 was received on January 16, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department