



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224784
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1224784

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Eternity Exploration, LLC
Well Name	Werth Farms 1-12
Doc ID	1224784

Tops

Name	Top	Datum
Anhydrite	2210	+384
Base Anhydrite	2242	+352
Topeka	3586	-992
Heebner	3810	-1216
Toronto	3832	-1238
Lansing	3846	-1252
"B" zone	3876	-1282
"H" zone	3983	-1389
"K" Zone	4046	-1452
B/KC	4080	-1486
RTD	4120	-1526
LTS	4120	-1526

GLOBAL CEMENTING, L.L.C.

1396

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-20-14</u>	SEC. <u>12</u>	TWP. <u>10S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:30 AM</u>
LEASE <u>W-11-4 Farms</u>	WELL #. <u>1-12</u>	LOCATION <u>-SW-SE-SW</u>			COUNTY <u>Shawnee</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR White Knight Drilling

TYPE OF JOB plug

HOLE SIZE 3 1/2 T.D. 4120

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

EQUIPMENT _____

PUMP TRUCK CEMENTER Lady Hess

81 HELPER Brad

BULK TRUCK _____

83 DRIVER Eric

BULK TRUCK _____

_____ DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED 240 SKS 60/40 Per 49' total

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

ASC @ _____

HANDLING @ _____

MILEAGE @ _____

TOTAL _____

REMARKS:

1 2260 50 SKS

2 1315 100 SKS

113 270 50 SKS
center 40 SKS wiper plug 10 SKS
30 SKS Per

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE 307.2 @ _____

MANIFOLD @ _____

TOTAL _____

CHARGE TO: Electric Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

Shawnee Note Plug @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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

PRINTED NAME _____

SIGNATURE Gary Crowl

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass DR
Coppell TX 75019

ATTN: Scott Alberg

Werth Farms #1-12

12-10S-26W Sheridan KS

Start Date: 2014.07.25 @ 20:42:00

End Date: 2014.07.26 @ 03:43:00

Job Ticket #: 58280 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.29 @ 09:04:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58280

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.07.25 @ 20:42:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:29:10

Time Test Ended: 03:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

Interval: 3804.00 ft (KB) To 3854.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 3854.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: 135.68 psig @ 3805.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.25

End Date:

2014.07.26

Last Calib.:

2014.07.26

Start Time: 20:42:01

End Time:

03:43:00

Time On Btm:

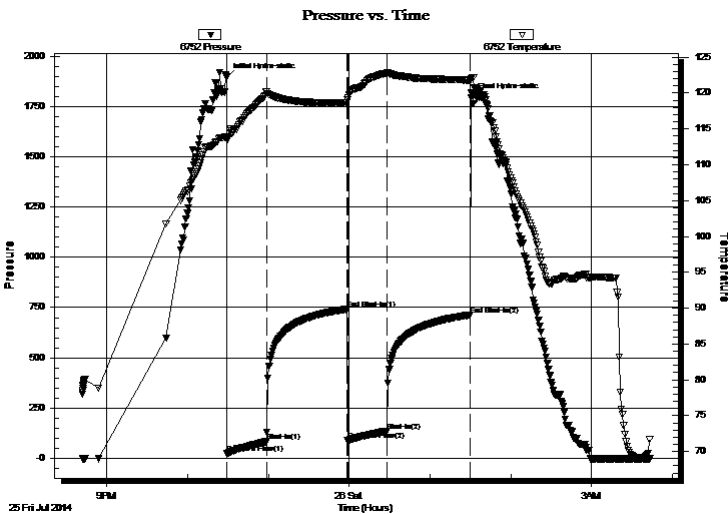
2014.07.25 @ 22:28:40

Time Off Btm:

2014.07.26 @ 01:30:20

TEST COMMENT: 30 IF - 1" blow built to BoB @ 18 mins
60 ISI - No return
30 FF - Surface blow started @ 1 min built to 9"
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1896.46	113.85	Initial Hydro-static
1	22.33	113.58	Open To Flow (1)
30	83.47	120.21	Shut-In(1)
90	741.83	118.67	End Shut-In(1)
90	87.45	119.07	Open To Flow (2)
120	135.68	122.81	Shut-In(2)
182	713.69	121.80	End Shut-In(2)
182	1795.88	121.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW - 50%M - 50%W	0.88
63.00	MCW - 5%M - 95%W	0.88
63.00	MCW - 20%M - 80%W	0.88
65.00	MCW - 50%M - 50%W	0.91
5.00	OMCW - 5%o - 40%M - 55%W	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58280

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.07.25 @ 20:42:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:29:10

Time Test Ended: 03:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

Interval: 3804.00 ft (KB) To 3854.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 3854.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press@RunDepth: psig @ 3805.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.25

End Date:

2014.07.26

Last Calib.:

2014.07.26

Start Time: 20:42:01

End Time:

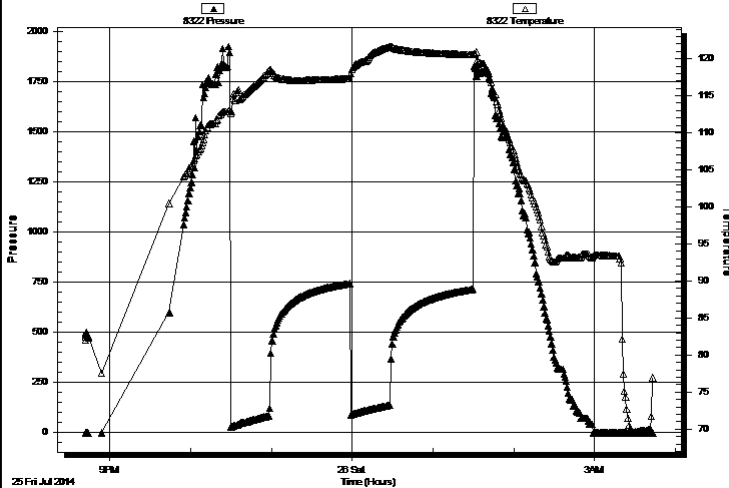
03:43:10

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 IF - 1" blow built to BoB @ 18 mins
60 ISI - No return
30 FF - Surface blow started @ 1 min built to 9"
60 FSI - No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW - 50%M - 50%W	0.88
63.00	MCW - 5%M - 95%W	0.88
63.00	MCW - 20%M - 80%W	0.88
65.00	MCW - 50%M - 50%W	0.91
5.00	OMCW - 5%o - 40%M - 55%W	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58280

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.07.25 @ 20:42:00

Tool Information

Drill Pipe:	Length: 3797.00 ft	Diameter: 3.80 inches	Volume: 53.26 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: 53.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3804.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			3778.00	
Shut In Tool	5.00			3783.00	
Hydraulic tool	5.00			3788.00	
Jars	5.00			3793.00	
Safety Joint	2.00			3795.00	
Packer	5.00			3800.00	27.00 Bottom Of Top Packer
Packer	4.00			3804.00	
Stubb	1.00			3805.00	
Recorder	0.00	6752	Inside	3805.00	
Recorder	0.00	8322	Outside	3805.00	
Perforations	23.00			3828.00	
Change Over Sub	1.00			3829.00	
Drill Pipe	31.00			3860.00	
Change Over Sub	1.00			3861.00	
Bullnose	3.00			3864.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58280

DST#: 1

ATTN: Scott Alberg

Test Start: 2014.07.25 @ 20:42:00

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:

55000 ppm

Viscosity: 39.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	MCW - 50%M - 50%W	0.884
63.00	MCW - 5%M - 95%W	0.884
63.00	MCW - 20%M - 80%W	0.884
65.00	MCW - 50%M - 50%W	0.912
5.00	OMCW - 5%o - 40%M - 55%W	0.070

Total Length: 259.00 ft Total Volume: 3.634 bbl

Num Fluid Samples: 0

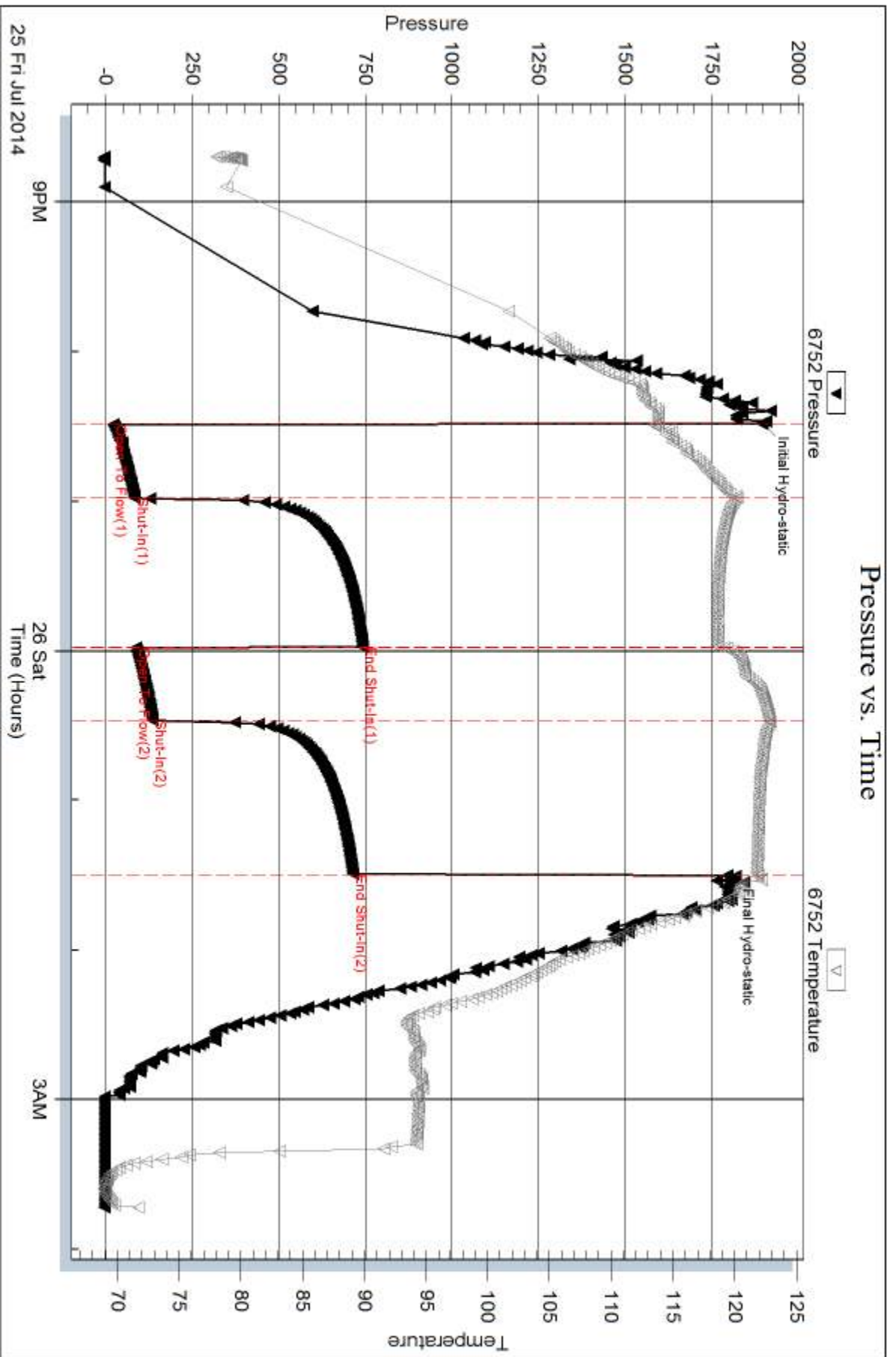
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .145 @ 73 DEG F

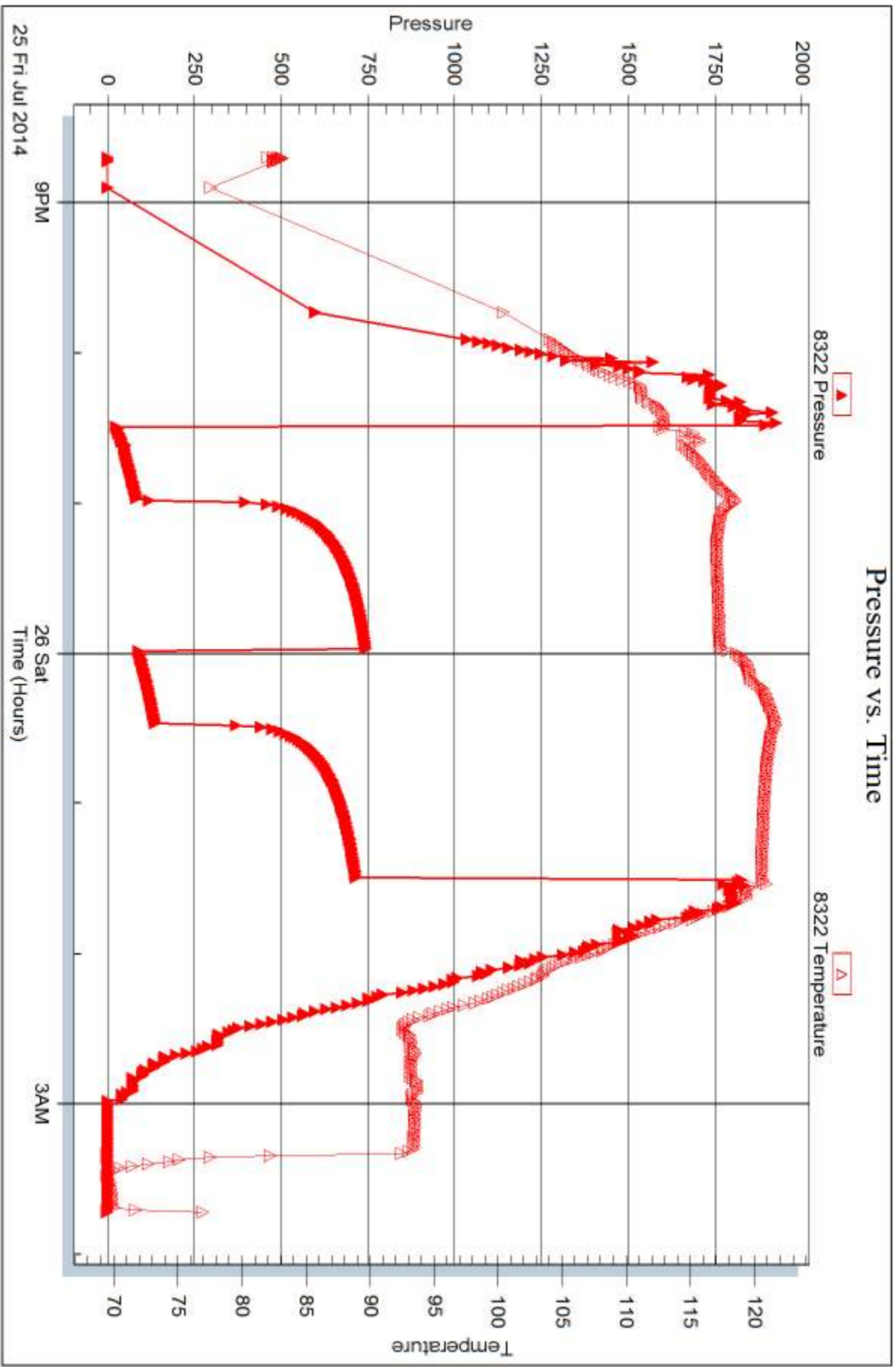


Serial #: 8322

Outside Bemly Exploration LLC

Werth Farms #1-12

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58280

Printed: 2014.07.29 @ 09:04:40



DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass DR
Coppell TX 75019

ATTN: Scott Alberg

Werth Farms #1-12

12-10S-26W Sheridan KS

Start Date: 2014.07.26 @ 15:58:00

End Date: 2014.07.26 @ 23:19:39

Job Ticket #: 58281 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.29 @ 09:04:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58281

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.07.26 @ 15:58:00

GENERAL INFORMATION:

Formation: **LKC " B - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:20

Time Test Ended: 23:19:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 3856.00 ft (KB) To 3892.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 3892.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press@RunDepth: 535.18 psig @ 3857.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.26

End Date:

2014.07.26

Last Calib.:

2014.07.26

Start Time: 15:58:01

End Time:

23:19:40

Time On Btm:

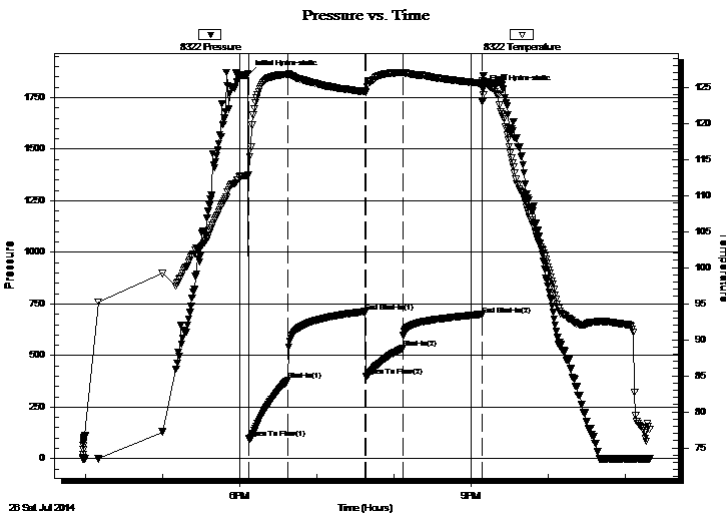
2014.07.26 @ 18:06:50

Time Off Btm:

2014.07.26 @ 21:09:09

TEST COMMENT: 30 IF - 1" blow built to BoB @ 2 mins
60 ISI - No return
30 FF - Surface blow built to BoB @ 6 mins
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1863.58	112.89	Initial Hydro-static
1	98.33	112.82	Open To Flow (1)
31	379.97	126.79	Shut-In(1)
91	712.71	124.36	End Shut-In(1)
92	398.27	124.24	Open To Flow (2)
121	535.18	127.04	Shut-In(2)
183	697.06	125.53	End Shut-In(2)
183	1791.17	125.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW - 40%M - 60 %W	0.88
1018.00	MCW - 10%M - 90%W	14.28
302.00	OMCW - 3%o - 30%M - 67%W	4.24

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58281

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.07.26 @ 15:58:00

GENERAL INFORMATION:

Formation: **LKC " B - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:20

Time Test Ended: 23:19:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 3856.00 ft (KB) To 3892.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 3892.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: psig @ 3857.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.26

End Date:

2014.07.26

Last Calib.:

2014.07.26

Start Time: 15:58:01

End Time:

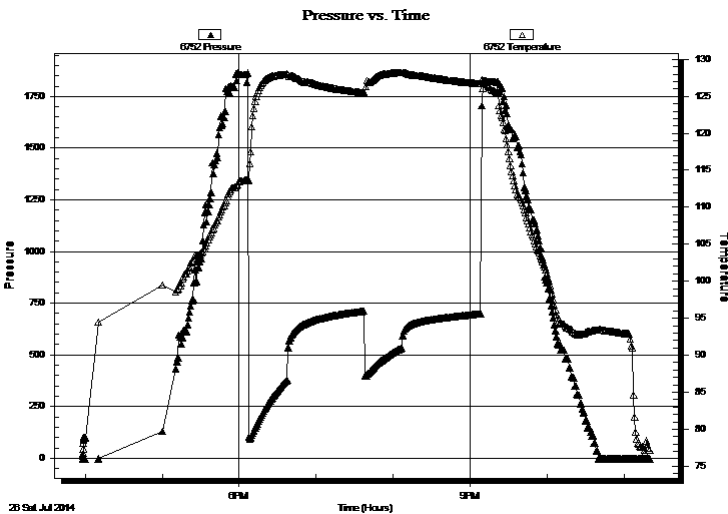
23:19:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 IF - 1" blow built to BoB @ 2 mins
60 ISI - No return
30 FF - Surface blow built to BoB @ 6 mins
60 FSI - No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW - 40%M - 60 %W	0.88
1018.00	MCW - 10%M - 90%W	14.28
302.00	OMCW - 3%o - 30%M - 67%W	4.24

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58281

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.07.26 @ 15:58:00

Tool Information

Drill Pipe:	Length: 3859.00 ft	Diameter: 3.80 inches	Volume: 54.13 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: 54.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3856.00 ft			Final 48000.00 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			3830.00	
Shut In Tool	5.00			3835.00	
Hydraulic tool	5.00			3840.00	
Jars	5.00			3845.00	
Safety Joint	2.00			3847.00	
Packer	5.00			3852.00	27.00 Bottom Of Top Packer
Packer	4.00			3856.00	
Stubb	1.00			3857.00	
Recorder	0.00	6752	Inside	3857.00	
Recorder	0.00	8322	Outside	3857.00	
Perforations	32.00			3889.00	
Bullnose	3.00			3892.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58281

DST#: 2

ATTN: Scott Alberg

Test Start: 2014.07.26 @ 15:58:00

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:

41000 ppm

Viscosity: 33.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	MCW - 40%M - 60 %W	0.884
1018.00	MCW - 10%M - 90%W	14.280
302.00	OMCW - 3%o - 30%M - 67%W	4.236

Total Length: 1383.00 ft Total Volume: 19.400 bbl

Num Fluid Samples: 0

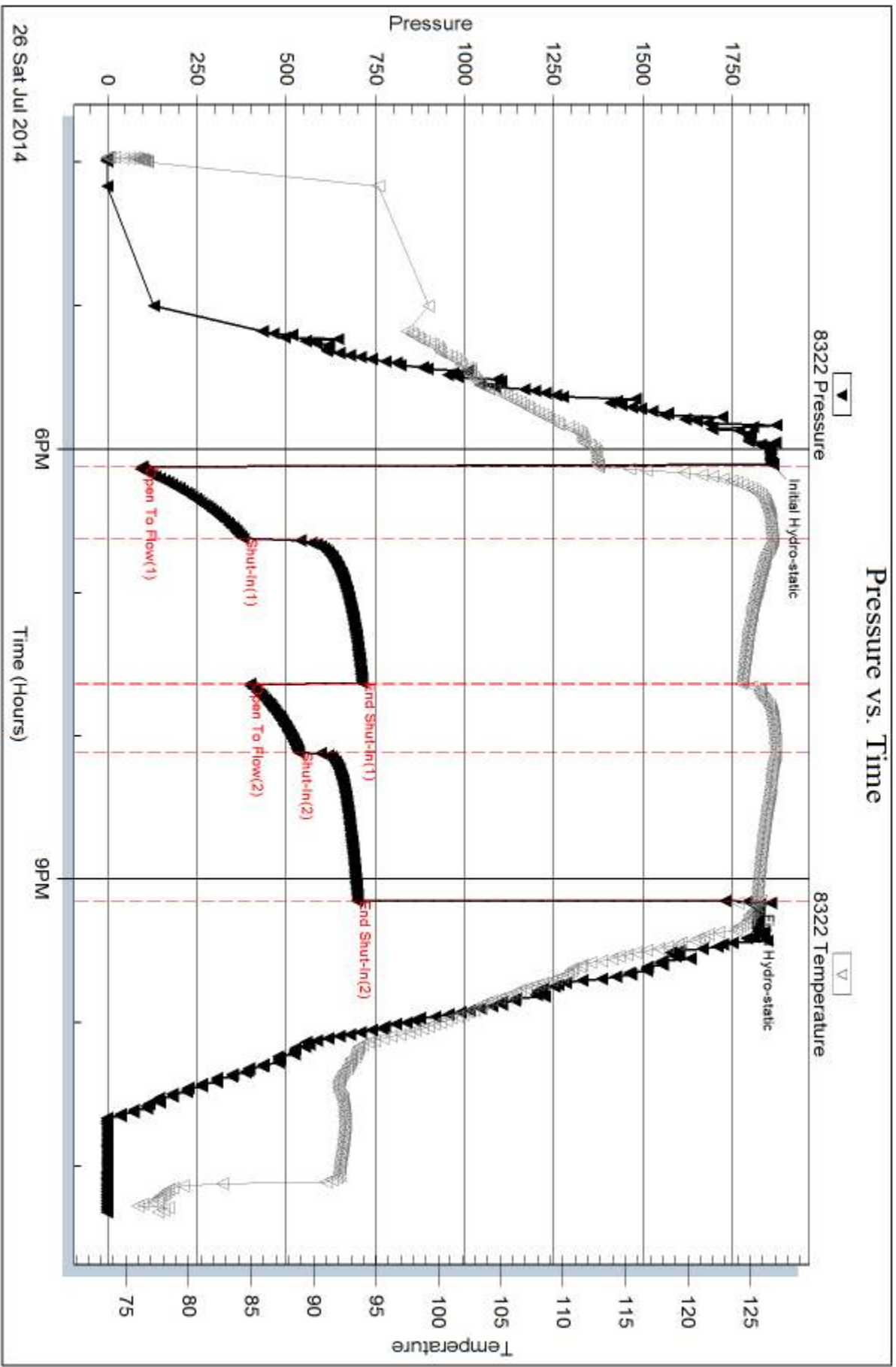
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .164 @ 78 DEG F



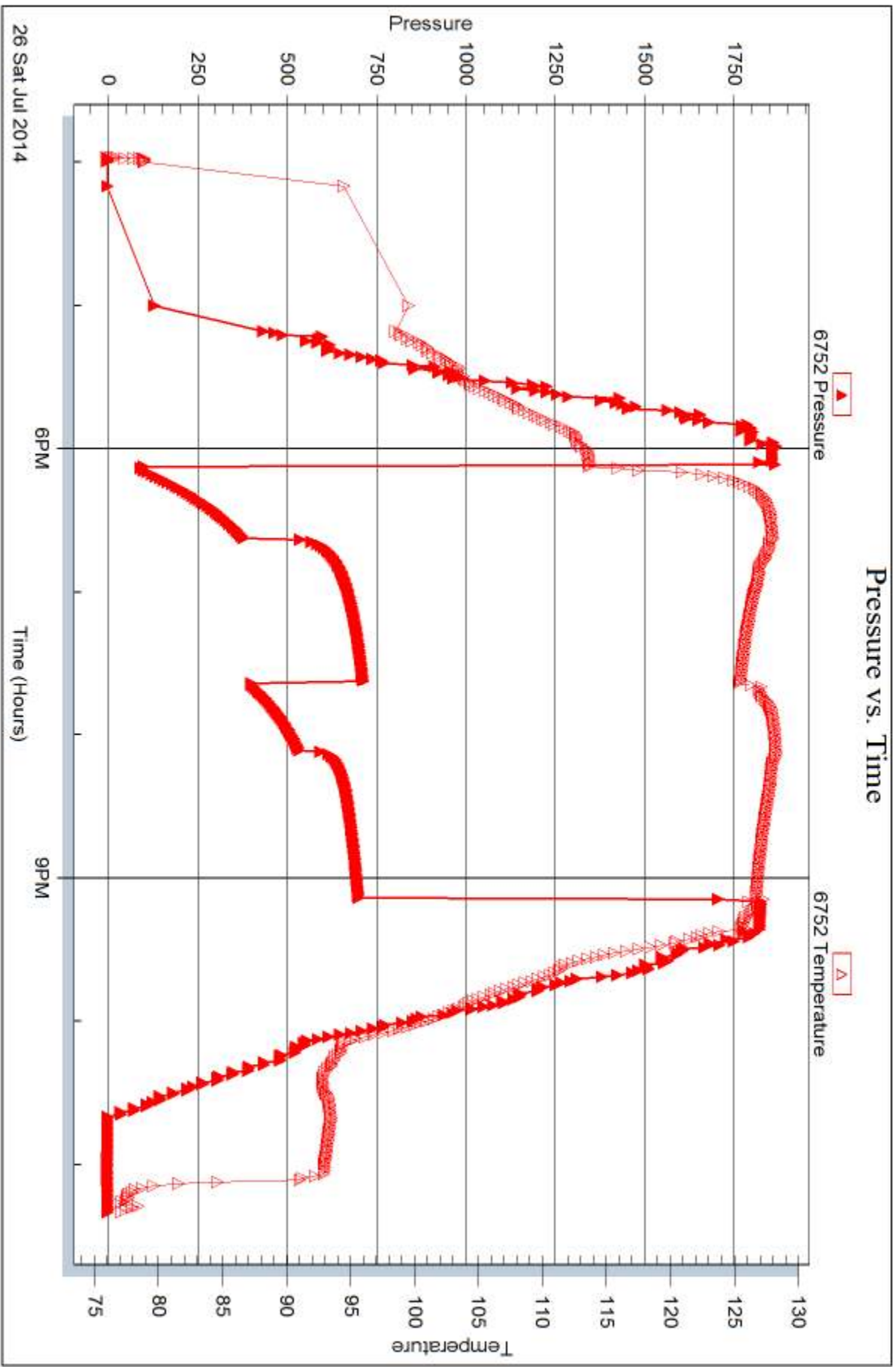
Serial #: 6752

Inside

Bernity Exploration LLC

Werth Farms #1-12

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58281

Printed: 2014.07.29 @ 09:04:04



DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass DR
Coppell TX 75019

ATTN: Scott Alberg

Werth Farms #1-12

12-10S-26W Sheridan KS

Start Date: 2014.07.27 @ 13:25:00

End Date: 2014.07.27 @ 20:35:39

Job Ticket #: 58282 DST #: 3

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

Printed: 2014.07.29 @ 09:01:55

Eternity Exploration LLC

12-10S-26W Sheridan KS

Werth Farms #1-12

DST # 3

LKC " H "

2014.07.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58282

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.07.27 @ 13:25:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:30

Time Test Ended: 20:35:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 3964.00 ft (KB) To 3993.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 3993.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: 102.07 psig @ 3965.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.27

End Date:

2014.07.27

Last Calib.:

2014.07.27

Start Time: 13:25:01

End Time:

20:35:40

Time On Btm:

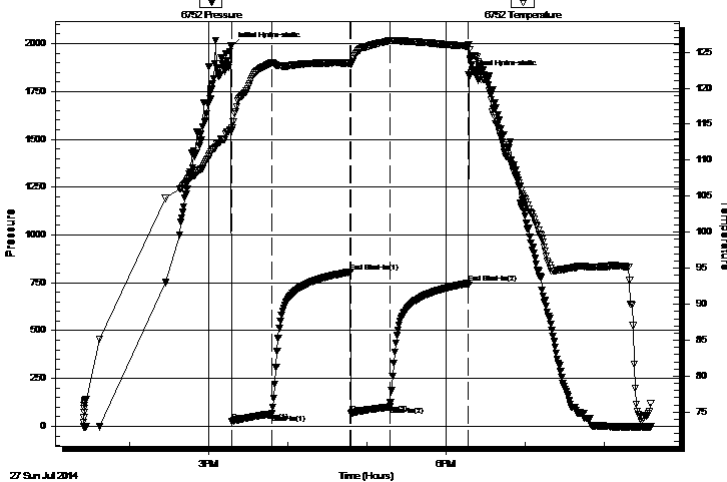
2014.07.27 @ 15:17:00

Time Off Btm:

2014.07.27 @ 18:17:09

TEST COMMENT: 30 IF - 1/2" blow built to BoB @ 12 mins
60 ISI - Surface blow started @ 1 min built to 1/4"
30 FF - Surface blow built to BoB @ 16 mins
60 FSI - Surface blow started @ 1 min built to 2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1985.08	114.17	Initial Hydro-static
1	24.60	114.10	Open To Flow (1)
31	65.07	123.59	Shut-In(1)
91	806.54	123.50	End Shut-In(1)
91	69.94	123.27	Open To Flow (2)
121	102.07	126.60	Shut-In(2)
180	747.46	125.83	End Shut-In(2)
181	1837.36	126.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW - 2%o - 20%M - 78%W	0.88
106.00	OMCW - 5%o - 40%M - 55%W	1.49
20.00	GO - 5%G 95%o	0.28
0.00	315' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58282

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.07.27 @ 13:25:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:30

Time Test Ended: 20:35:39

Interval: **3964.00 ft (KB) To 3993.00 ft (KB) (TVD)**

Total Depth: 3993.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Reference Elevations: 2594.00 ft (KB)

2589.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Outside

Press@RunDepth: psig @ 3965.00 ft (KB)

Start Date: 2014.07.27

End Date:

2014.07.27

Start Time: 13:25:01

End Time:

20:35:40

Capacity: 8000.00 psig

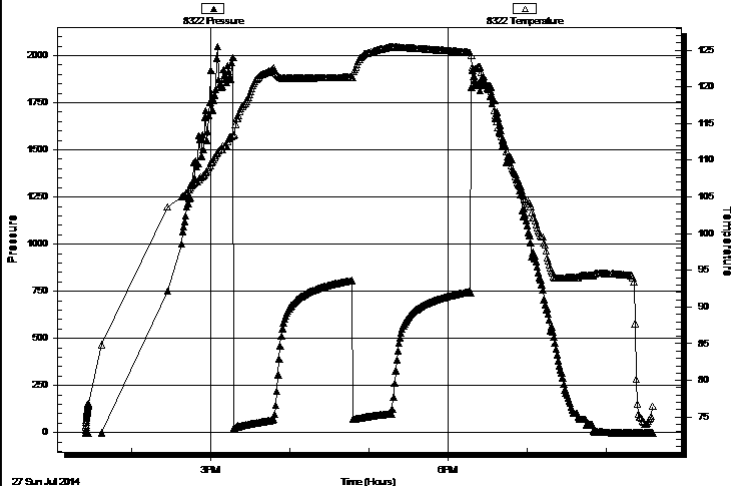
Last Calib.: 2014.07.27

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 IF - 1/2" blow built to BoB @ 12 mins
60 ISI - Surface blow started @ 1 min built to 1/4"
30 FF - Surface blow built to BoB @ 16 mins
60 FSI - Surface blow started @ 1 min built to 2"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW - 2%o - 20%M - 78%W	0.88
106.00	OMCW - 5%o - 40%M - 55%W	1.49
20.00	GO - 5%G 95%o	0.28
0.00	315' 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

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58282

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.07.27 @ 13:25:00

Tool Information

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 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: 50000.00 lb
			<u>Total Volume: 55.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3964.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.00 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			3938.00	
Shut In Tool	5.00			3943.00	
Hydraulic tool	5.00			3948.00	
Jars	5.00			3953.00	
Safety Joint	2.00			3955.00	
Packer	5.00			3960.00	27.00 Bottom Of Top Packer
Packer	4.00			3964.00	
Stubb	1.00			3965.00	
Recorder	0.00	6752	Inside	3965.00	
Recorder	0.00	8322	Outside	3965.00	
Perforations	25.00			3990.00	
Bullnose	3.00			3993.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58282

DST#: 3

ATTN: Scott Alberg

Test Start: 2014.07.27 @ 13:25:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 9.58 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 40 deg API
Water Salinity: 3600 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OMCW - 2%o - 20%M - 78%W	0.884
106.00	OMCW - 5%o - 40%M - 55%W	1.487
20.00	GO - 5%G 95%o	0.281
0.00	315' GIP	0.000

Total Length: 189.00 ft Total Volume: 2.652 bbl

Num Fluid Samples: 0

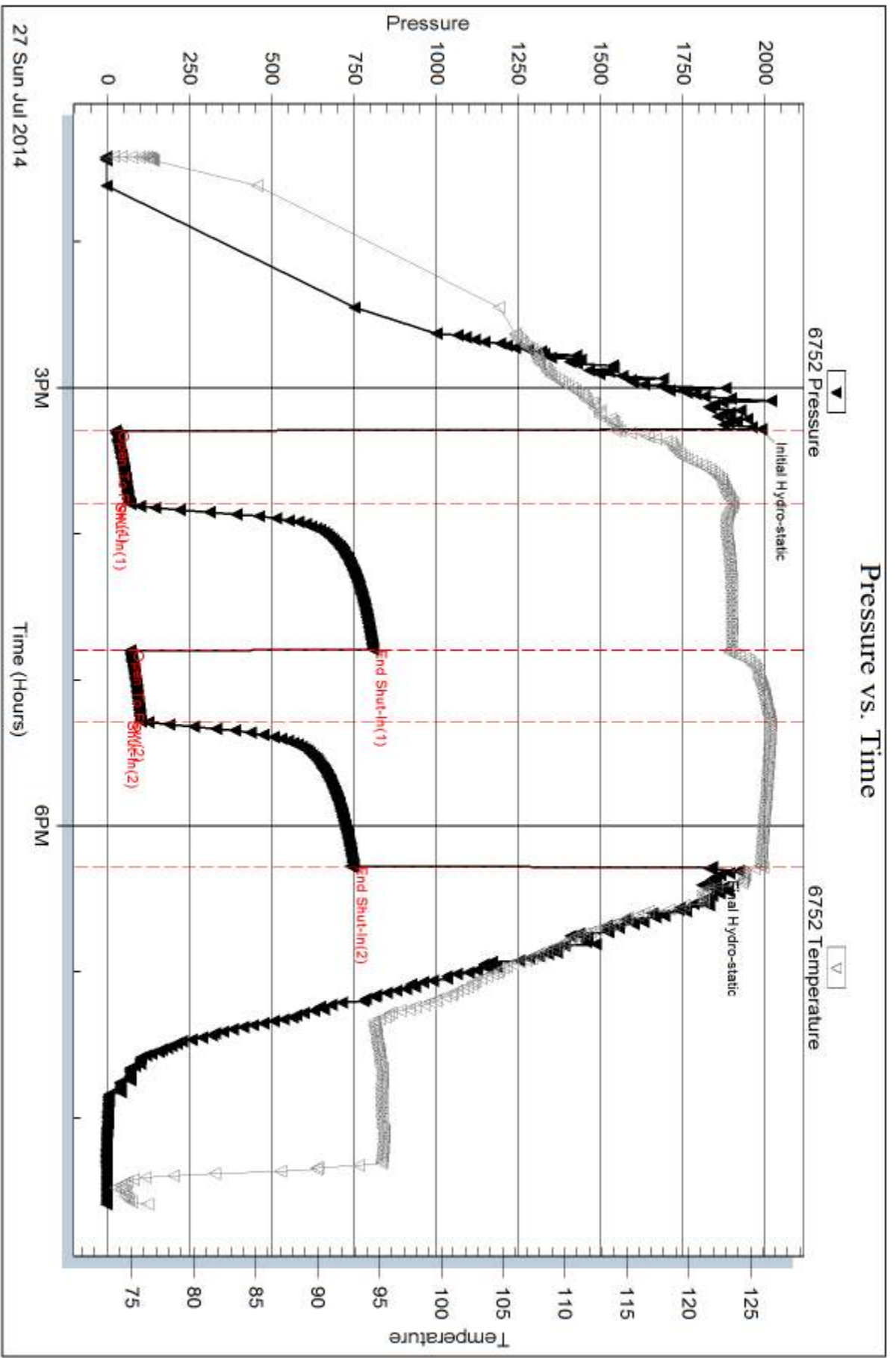
Num Gas Bombs: 0

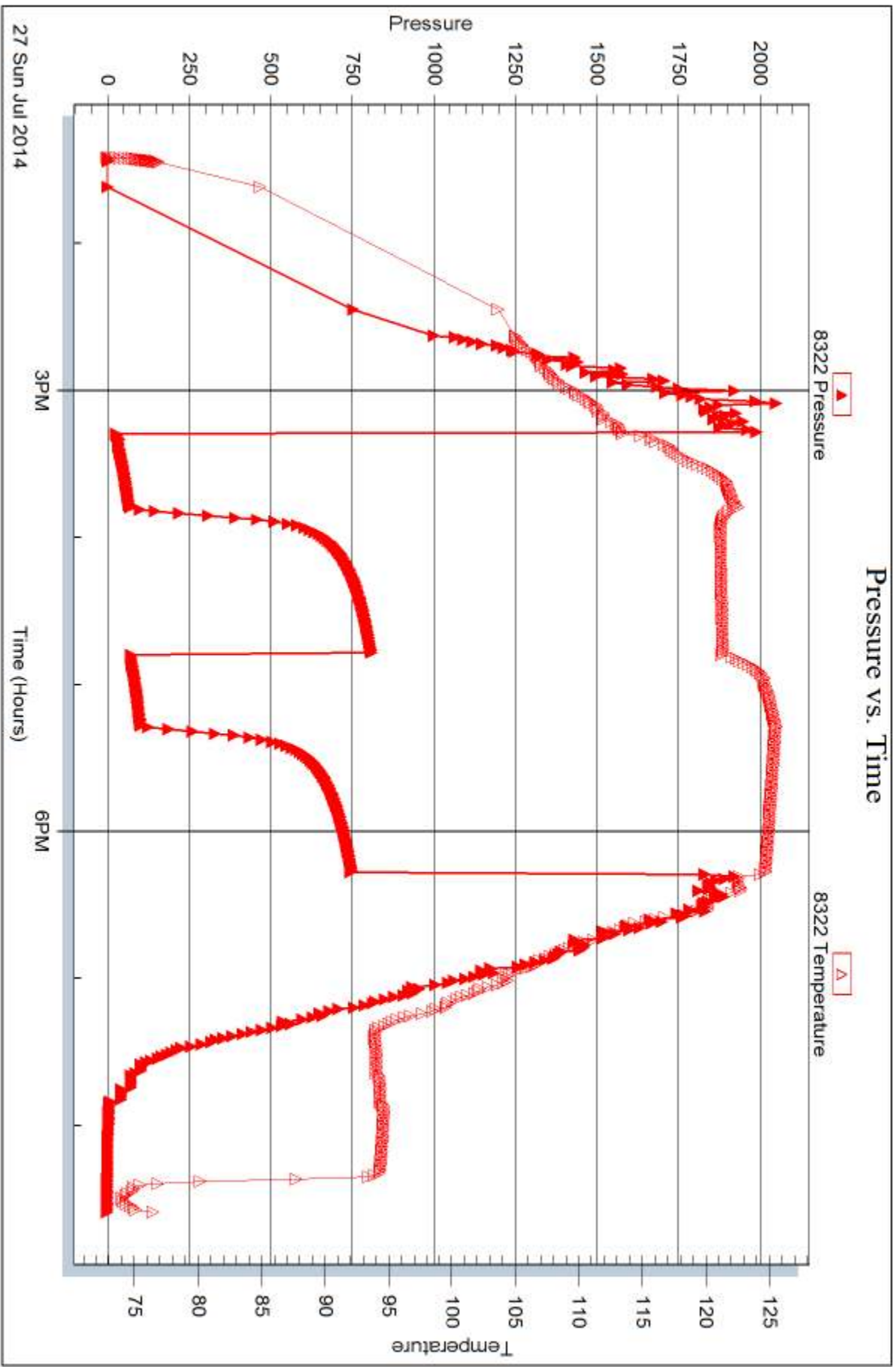
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API = 42 @ 80 DEG F = 40 COR 60 DEG F
RW = 1.52 @ 83 DEG F







DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass DR
Coppell TX 75019

ATTN: Scott Alberg

Werth Farms #1-12

12-10S-26W Sheridan KS

Start Date: 2014.07.28 @ 07:51:00

End Date: 2014.07.28 @ 13:58:50

Job Ticket #: 58283 DST #: 4

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

Printed: 2014.07.29 @ 08:59:59

Eternity Exploration LLC

12-10S-26W Sheridan KS

Werth Farms #1-12

DST # 4

LKC "I - K"

2014.07.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58283

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.07.28 @ 07:51:00

GENERAL INFORMATION:

Formation: **LKC "I - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:45:20

Time Test Ended: 13:58:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 3996.00 ft (KB) To 4056.00 ft (KB) (TVD)

Reference Elevations: 2594.00 ft (KB)

Total Depth: 4056.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 19.86 psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.28

End Date:

2014.07.28

Last Calib.:

2014.07.28

Start Time: 07:51:01

End Time:

13:58:50

Time On Btm:

2014.07.28 @ 09:45:00

Time Off Btm:

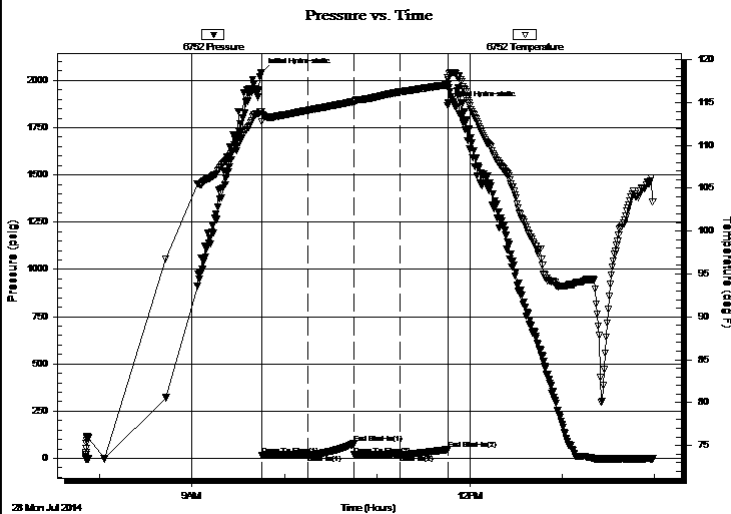
2014.07.28 @ 11:45:50

TEST COMMENT: 30 IF - Surface blow built to 1"

30 ISI - No return

30 FF - No blow

30 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2041.44	113.93	Initial Hydro-static
1	15.68	112.75	Open To Flow (1)
30	18.96	114.08	Shut-In(1)
60	77.46	115.11	End Shut-In(1)
61	17.94	115.08	Open To Flow (2)
90	19.86	116.23	Shut-In(2)
121	46.57	117.07	End Shut-In(2)
121	1866.95	117.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/oil spots 100%M	0.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58283

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.07.28 @ 07:51:00

GENERAL INFORMATION:

Formation: **LKC " I - K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:45:20

Time Test Ended: 13:58:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: **3996.00 ft (KB) To 4056.00 ft (KB) (TVD)**

Reference Elevations: 2594.00 ft (KB)

Total Depth: 4056.00 ft (KB) (TVD)

2589.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press@RunDepth: psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.28

End Date: 2014.07.28

Last Calib.: 2014.07.28

Start Time: 07:51:01

End Time: 13:58:50

Time On Btm:

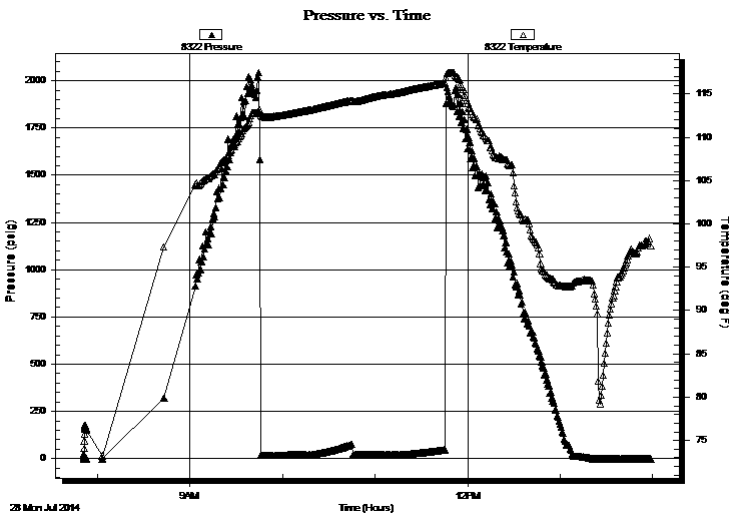
Time Off Btm:

TEST COMMENT: 30 IF - Surface blow built to 1"

30 ISI - No return

30 FF - No blow

30 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/oil spots 100%M	0.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58283

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.07.28 @ 07:51:00

Tool Information

Drill Pipe:	Length: 3987.00 ft	Diameter: 3.80 inches	Volume: 55.93 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: 45000.00 lb
			<u>Total Volume: 55.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3996.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			3970.00	
Shut In Tool	5.00			3975.00	
Hydraulic tool	5.00			3980.00	
Jars	5.00			3985.00	
Safety Joint	2.00			3987.00	
Packer	5.00			3992.00	27.00 Bottom Of Top Packer
Packer	4.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	6752	Inside	3997.00	
Recorder	0.00	8322	Outside	3997.00	
Perforations	23.00			4020.00	
Change Over Sub	1.00			4021.00	
Drill Pipe	31.00			4052.00	
Change Over Sub	1.00			4053.00	
Bullnose	3.00			4056.00	60.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

12-10S-26W Sheridan KS

338 Spyglass DR
Coppell TX 75019

Werth Farms #1-12

Job Ticket: 58283

DST#: 4

ATTN: Scott Alberg

Test Start: 2014.07.28 @ 07:51:00

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: 68.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 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
2.00	Mud w /oil spots 100%M	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

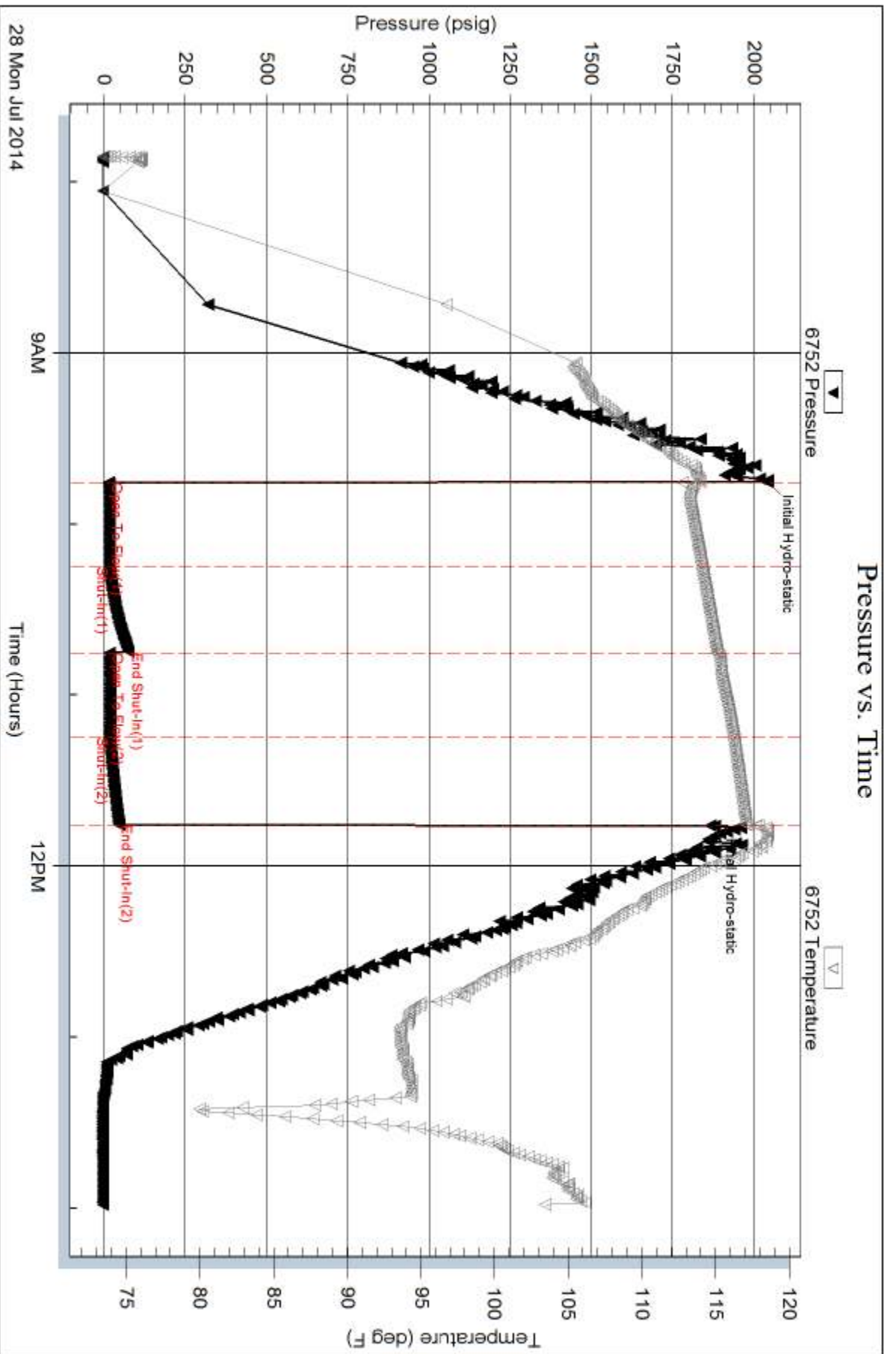
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

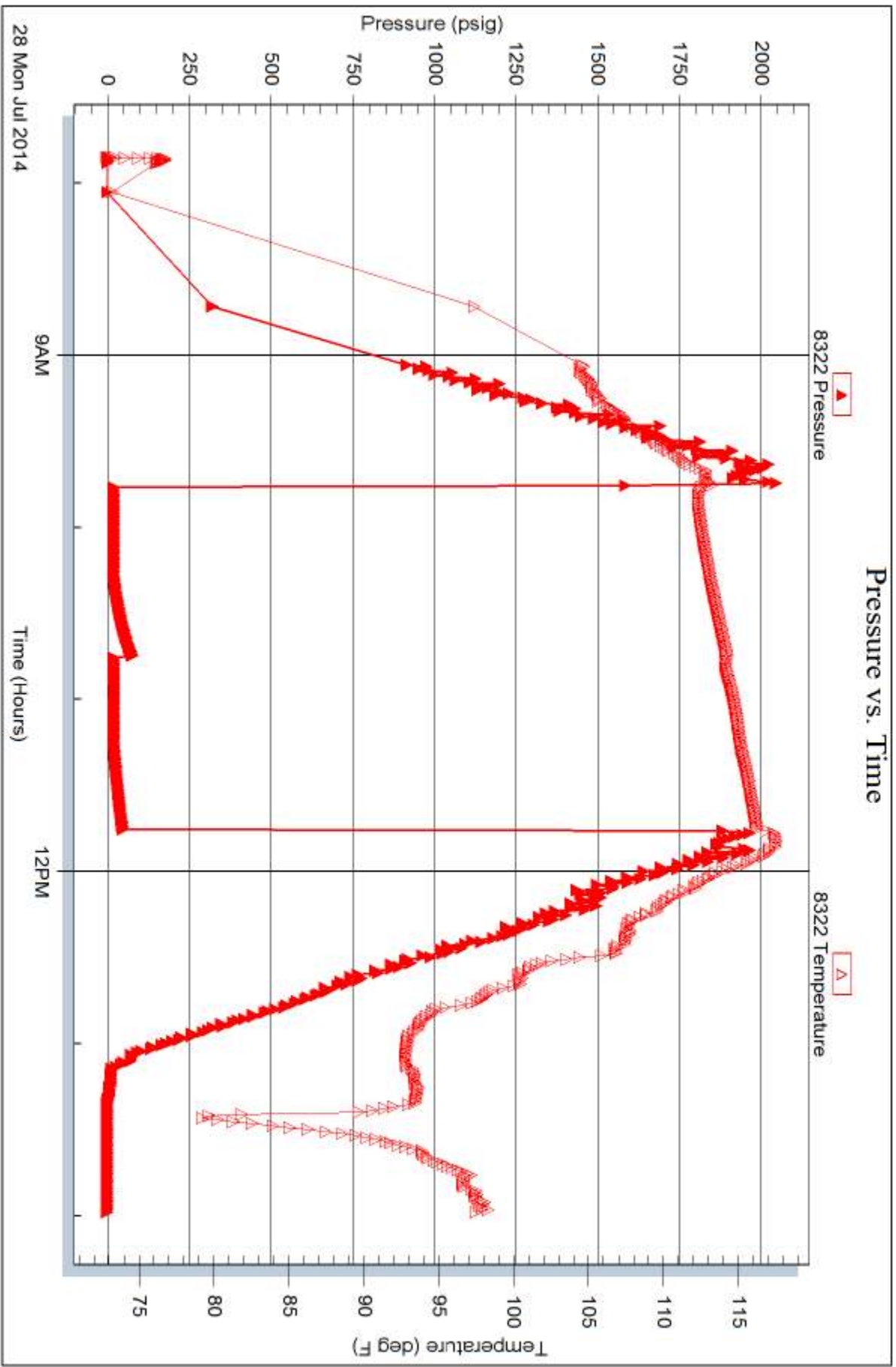


Serial #: 8322

Outside Eernity Exploration LLC

Werth Farms #1-12

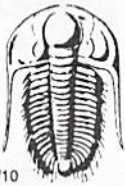
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 58283

Printed: 2014.07.29 @ 09:00:01



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58280**

4/10

Well Name & No. Werth Farms #1-12 Test No. 1 Date 7/25/14
 Company Eternity Exploration LLC Elevation 2594 KB 25809 GL
 Address 338 Spyglass DR Loppell Tx 75019
 Co. Rep / Geo. Scott Alberg Rig White Knight
 Location: Sec. 12 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3804 - ~~3854~~ Zone Tested Toronto - LKC "A"
 Anchor Length 50' Drill Pipe Run 3797' Mud Wt. 8.8
 Top Packer Depth 3799 Drill Collars Run 0' Vis 39
 Bottom Packer Depth 3804 Wt. Pipe Run 0' WL 12.0
 Total Depth 3854 Chlorides 1.5 ppm System LCM 1000
 Blow Description IF - 1" built to Bob @ 18 mins
ISI - No return
FF - Surface blow @ 1 min ~~built~~ built to 9"
FSI - No return

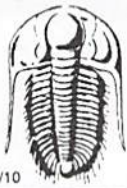
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OMCW</u>	<u>5</u>	<u>55</u>	<u>40</u>	
<u>63'</u>	<u>MCW</u>		<u>50</u>	<u>50</u>	
<u>63'</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>63'</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>63'</u>	<u>MCW</u>		<u>50</u>	<u>50</u>	

Rec Total 259' BHT 122° Gravity — API RW .145 @ 73° F Chlorides 55,000 ppm
 (A) Initial Hydrostatic 1896 Test 1150 T-On Location 19:45
 (B) First Initial Flow 22 Jars 250 T-Started 20:42
 (C) First Final Flow 83 Safety Joint 75 T-Open 22:29
 (D) Initial Shut-In 742 Circ Sub NC T-Pulled 01:29
 (E) Second Initial Flow 87 Hourly Standby _____ T-Out 03:43
 (F) Second Final Flow 136 Mileage 134 RT 207.70 Comments _____
 (G) Final Shut-In 714 Sampler _____
 (H) Final Hydrostatic 1796 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 0
 Total 1682.70
 MP/DST Disc't _____
 Sub Total 1682.70

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. 58281

4/10

Well Name & No. Werth Farms #1-12 Test No. 2 Date 7/26/14
 Company Eternity Exploration LLC Elevation 2594 KB 2589 GL
 Address 338 Spyglass DR Coppell Tx 75019
 Co. Rep / Geo. Scott Alberg Rig White Knight
 Location: Sec. 12 Twp. 105 Rge. 26 W Co. Sheridan State KS

Interval Tested 3856-3892 Zone Tested LKC "B-C"
 Anchor Length 96' Drill Pipe Run 3859' Mud Wt. 9.1
 Top Packer Depth 3891 Drill Collars Run 0' Vis 33
 Bottom Packer Depth 3856 Wt. Pipe Run 0' WL 12.0
 Total Depth 3892 Chlorides 1000 ppm System LCM 1.5
 Blow Description IF-1" blow built to BoB @ 2 mins
ISI - No return
FF - Surface blow built to BoB @ 6 mins
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>302</u>	<u>OMCW</u>	<u>3</u>	<u>67</u>	<u>30</u>	<u>0</u>
<u>1018</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	<u>0</u>
<u>63</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	<u>0</u>

Rec Total 1383' BHT 126° Gravity — API RW .64 @ 78° F Chlorides 41,000 ppm

(A) Initial Hydrostatic <u>1804'</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>15:30</u>
(B) First Initial Flow <u>98</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:58</u>
(C) First Final Flow <u>380</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:07</u>
(D) Initial Shut-In <u>713</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>21:07</u>
(E) Second Initial Flow <u>398</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:19</u>
(F) Second Final Flow <u>535</u>	<input checked="" type="checkbox"/> Mileage <u>134 RT 207.70</u>	Comments
(G) Final Shut-In <u>697</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1791</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1682.70</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1682.70</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. 58282

4/10

Well Name & No. Werth Farms # 1-12 Test No. 3 Date 7/27/14
 Company Eternity Exploration LLC Elevation 2594 KB 2589 GL
 Address 338 Spanglers DR Coppell Tx 75019
 Co. Rep / Geo. Scott Alberg Rig White Knight
 Location: Sec. 12 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3964 - 3993 Zone Tested LKC "H"
 Anchor Length 29' Drill Pipe Run 3953' Mud Wt. 9.2
 Top Packer Depth 3959 Drill Collars Run 0' Vis 44
 Bottom Packer Depth 3964 Wt. Pipe Run 0' WL 9.6
 Total Depth 3993 Chlorides 1000 ppm System LCM 1

Blow Description IF - 1/2" blow built to BoB @ 12 mins
ISI - Surface blow started @ 1 min built to 1/4"
FF - Surface blow built to BoB @ 16 mins
FSL - Surface ~~blow~~ blow built to ~~2"~~ 2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>0 GO</u>	<u>5</u>	<u>95</u>		
<u>106'</u>	<u>OMCW</u>		<u>5</u>	<u>55</u>	<u>40</u>
<u>63'</u>	<u>OMCW</u>		<u>2</u>	<u>78</u>	<u>20</u>
<u>3</u>					

Rec Total 189' BHT 126° Gravity 40 API RW 1.52 @ 83° F Chlorides 3600 ppm
 (A) Initial Hydrostatic 1985 Test 1150 T-On Location 13:00
 (B) First Initial Flow 25 Jars 250 T-Started 13:25
 (C) First Final Flow 65 Safety Joint 75 T-Open 15:18
 (D) Initial Shut-In 807 Circ Sub NC T-Pulled 18:18
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 20:35
 (F) Second Final Flow 102 Mileage 134 RT 207.70 Comments 315' GIP
 (G) Final Shut-In 747 Sampler _____
 (H) Final Hydrostatic 1837 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 0
 Total 1682.70
 MP/DST Disc't _____
 Sub Total 1682.70

Approved By _____ Our Representative Scott Alberg

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. 58283

Well Name & No. Werth Farms #1-12 Test No. 4 Date 7/28/14
 Company Eternity Exploration LLC Elevation 2594 KB 2589 GL
 Address 338 Spyglass DR Coppell Tx 75019
 Co. Rep / Geo. Scott Alberg Rig White Knight
 Location: Sec. 12 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3996 - 4056 Zone Tested LKC "I-K"
 Anchor Length 60' Drill Pipe Run 39807' Mud Wt. 9.3
 Top Packer Depth 3991 Drill Collars Run 0' Vis 6.8
 Bottom Packer Depth 3996 Wt. Pipe Run 0' WL 8.8
 Total Depth 4056 Chlorides 3000 ppm System LCM 1

Blow Description IF - Surface blow built to 1"
ISI - No return
FF - No blow
FST - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>Mud w/oil spots</u>			<u>2</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2' BHT 117° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2041</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>07:15</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>07:51</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>09:45</u>
(D) Initial Shut-In <u>77</u>	<input checked="" type="checkbox"/> Circ Sub <u>NK</u>	T-Pulled <u>11:45</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>13:58</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>134 RT</u> 207.70	Comments _____
(G) Final Shut-In <u>47</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1867</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1782.70

Total 1782.70
 MP/DST Disc't _____

Approved By _____ Our Representative Ryan J. Mills

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LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Werth Farms #1-12
Location: SW SE SW
License Number: API: 15-179-21367-00-00
Spud Date: July 21, 2014
Surface Coordinates: 330' FSL & 1650' FWL Section 12-TWP 10S - RNG 26 W
Region: Sheridan County, Kansas
Drilling Completed: July 29, 2014

Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 2589 K.B. Elevation (ft): 2594
Logged Interval (ft): 3500 To: RTD Total Depth (ft): 4120
Formation: Marmaton
Type of Drilling Fluid: Chemical Displace at 3245'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Eternity Exploration, LLC
Address: 338 Spyglass Drive
Coppell, Texas 75019+5430

GEOLOGIST

Name: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Ks 67124

COMMENTS

Surface Casing: Ran 5 joints new 20# 8 5/8" and set at 218.92', cement did circulate. Plug down at 6:30 am, July 22, 2014.

Production Casing: None

Deviation Surveys: 1/4 degree @ 220'; 1/4 - 3864', 1 1/4 degree @ 4120'.
Pipe Strap - 3854' - 2.03' Short to Board.

Contractor Bit Record: 1-12 1/4" out at 220'
2- 7 7/8" out at 4120'.

Mud: KDT Mud, Ken Rupp, Engineer
Logs: NABORS Completion and Production Services, Inc,
DIL, CDL/CDL, Micro
LTD - 4120'.
Gas Detector: None

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
ANHYDRITE	2211(+383)	2210(+384)
BASE ANHYDRITE	2245(+349)	2242(+352)
TOPEKA	3588(-994)	3586(-992)
HEEBNER	3811(-1217)	3810(-1216)
TORONTO	3830(-1236)	3832(-1238)
LANSING	3847(-1253)	3846(-1252)
'B' Zone	3873(-1279)	3876(-1282)
'H' Zone	3985(-1391)	3983(-1389)
'K' Zone	4046(-1452)	4046(-1452)
B/KC	4080(-1486)	4080(-1486)
RTD	4120(-1526)	
LTD		4120(-1526)

DSTs

DST #1 3804 to 3854 Toronto & Lansing A Zone

Times 30-60-30-60

1st Opening - BOB 18 minutes, no blow back

2nd Opening - Built to 9", no blow back

Recovery - 5' OMCW (5% O, 40% M, 55% W)

65' MCW (50% M, 50% W), 63' MCW (20% M, 80% W)

63' MCW (5% M, 95% W, 63' MCW (50% M, 50% W)

IFP 22-83# FFP 87-136#

ISIP 742# FSIP 714#

IHP/FHP 1896/1796#

Temp 123

DST #2 3856 to 3892 Lansing B & C Zones

Times 30-60-30-60

1st Opening - BOB 2 minutes, no blow back

2nd Opening - BOB 6 minutes, no blow back

Recovery: 302' OMCW (3% O, 67% W, 30% M)

1018' MCW (90% W, 10% M), 63' MCW (60% W, 40% M)

IFP 98-380# FFP 398-535#

ISIP 713# FSIP 697#

IHP/FHP 1864/1791#

Chlorides 41,000, Temp 126

DST #3 3964 to 3993' H Zone

Times 30-60-30-60

1st Opening - BOB 12 minutes, 1/4" blow back.

2nd Opening - BOB 16 minutes, 2" blow back.

Recovery: 20' GO (5% G, 95% O)

106' OMCW (5% O, 55% W, 40% M)

63' OMCW (2% O, 78% W, 20% M)

IFP 25-65# FFP 70-102#

ISIP 807# FSIP 747#

IHP/FHP 1985/1837#

Temp 126

DST #4 3996 to 4056' I, J & K Zones

Times 30-30-30-30

1st Opening - Built to 1 inch, no blow back.

2nd Opening - No Blow, no blow back.

Recovery: 2' Drilling Mud w few oil spots.

IFP 16-19# FFP 18-20#

ISIP 77# FSIP 47#

IHP/FHP 2041/1867#

Temp 117

CREWS

White Knight Drilling, Rig #1

Tool Pusher - Terry Austin

Daylight Driller - Gary Chard

Evening Driller - Jerry Rowe

Morning Driller - Marlan Garcia

Relief Driller - Robert Galbavy

Based on sample shows, structural position and the results of the DST's, it was recommended by all parties this test well be plugged and abandoned.

Respectfully,

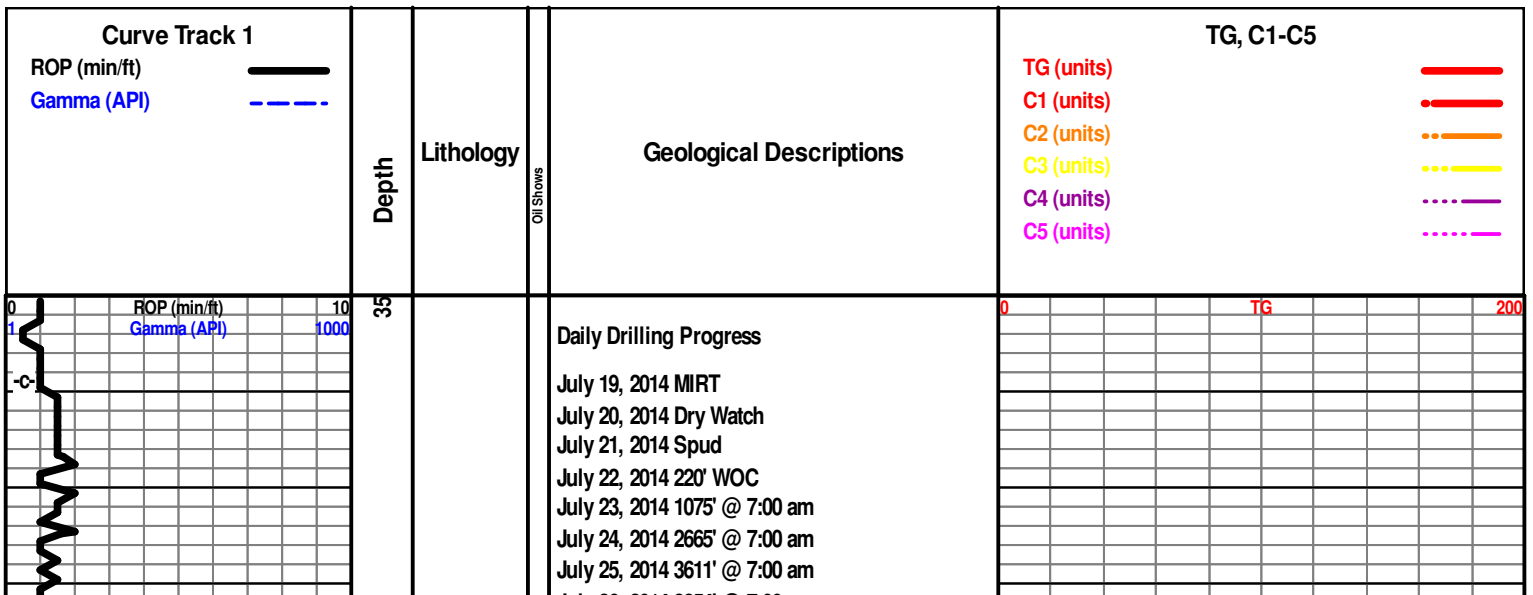
W. Scott Alberg

ROCK TYPES

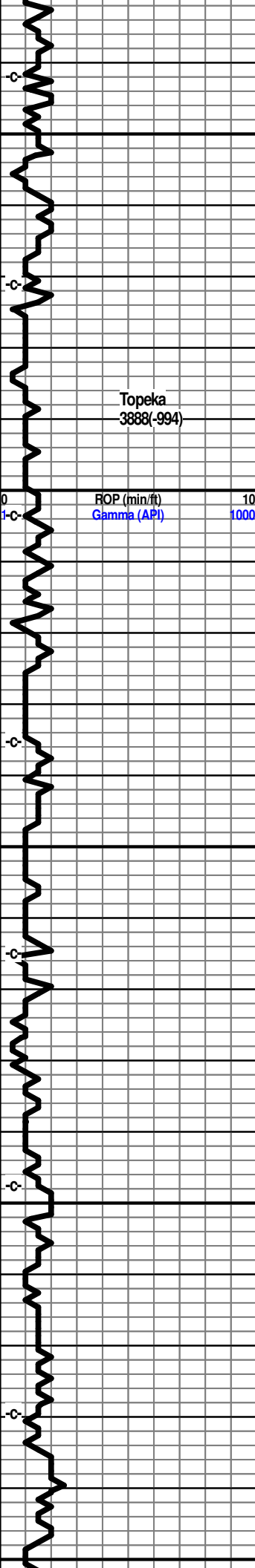
Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Shale	Shyslts
Clyst	Gyp	Sltst	Sltys
Coal	Sdy lms	Ss	

ACCESSORIES

MINERAL	Chlorite	Pelec	Grysh
Anhy	Dol	Pellet	Gryslt
Arg	Sand	Pisolite	Lms
Bent	Silty	Plant	Sandylms
Bit	FOSSIL	Strom	Sh
Brecfrag	Algae	Fuss	Sltstn
Calc	Amph	Oomoldic	TEXTURE
Carb	Belm	STRINGER	Boundst
Chtdk	Bioclst	Anhy	Chalky
Chtlt	Brach	Arg	Cryxln
Dol	Bryozoa	Bent	Earthy
Ferrpel	Cephal	Coal	Finexln
Ferr	Coral	Dol	Grainst
Glau	Crin	Gyp	Lithogr
Gyp	Echin	Ls	Microxln
Marl	Fish	Mrst	Mudst
Nodule	Foram	Sltstrg	Packst
Phos	Fossil	Ssstrg	Wackest
Pyr	Gastro	Carbsh	
Salt	Oolite	Clystn	
Sandy	Ostra	Dol	
Silt			



July 26, 2014 3854' @ 7:00 am
July 27, 2014 3962' @ 7:00 am
July 28, 2014 4056' @ 7:00 am
July 29, 2014 4120' @ 7:00 am



3550
3600
3650
3700
750

KDT Mud Check
July 25, 2014
3591' @ 6:30 am
Vis 39
Wt 8.8
pH 10.0
WL 2.0
Chlor 1000
LCM 1 1/2#

TG 200

Vis 39
Wt 8.0

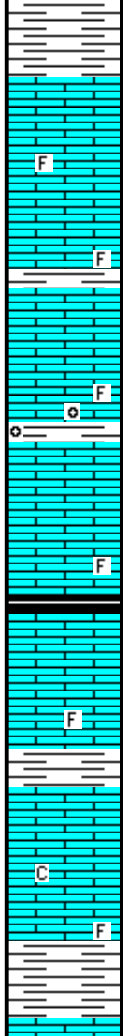
Start Samples

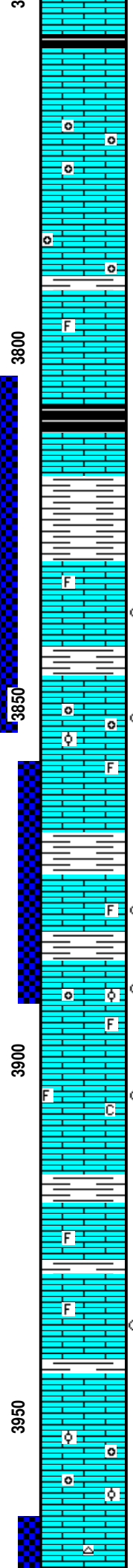
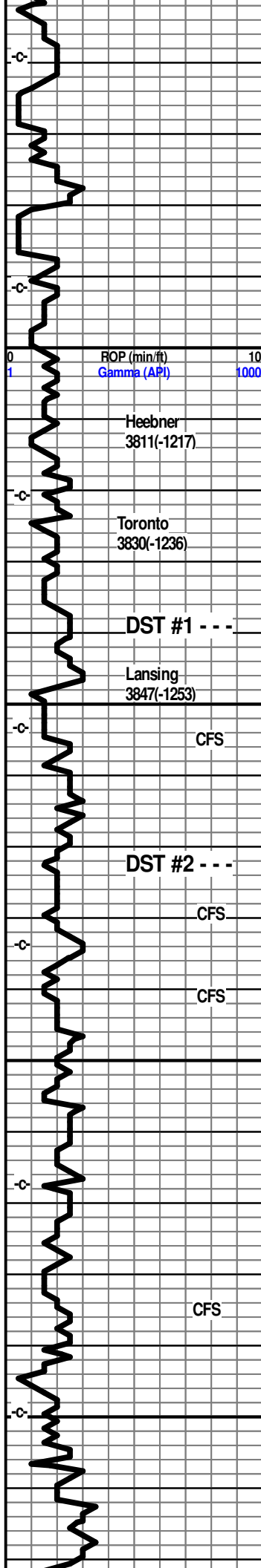
Shale, red-brown, grey.

Limestone cream-grey-white, crystalline, fossils,
trace oolitic porosity, no shows.

Shale, grey-black.

Limestone, cream-white, crystalline, dense,
chalky in part.





Shale, grey-black.

Limestone, tan, buff, crystalline, oolitic, oolitic porosity, barron.

Limestone, tan, buff, crystalline, oolitic porosity, barron.

Shale, grey-black

Shale, grey, red-brown.

Limestone, cream-white, crystalline, slightly fossiliferous, trace foss porosity, very slight show oil, very faint odor, trace chalky.

Shale red-brown, grey.

Limestone cream-white, buff, crystalline, fossils, oolitic in part, oolitic porosity, foss porosity, small pin point porosity, few small vugs, faint odor, show of free oil.

Shale, grey-red.

Limestone tan-buff, crystalline, oolitic & fossil porosity, light show of free oil, fair porosity, faint odor spottv staining.

Limestone, buff-cream, finely crystalline, fossil to oolitic porosity, light show of oil, trace spotty stain, very faint odor.

Limestone, cream, off-white, crystalline, trace fossils, chalky in part trace fossil porsity, trace spottv stain.

Shale, grey-black, red-brown.

Limestone, cream, buff, dense, trace fossils, ??? staining, no detectable odor.

Shale, red-brown,

Limestone, cream, tan, crystalline, dense, lightly fossiliferouss, trace oolitic porosity, ?? stain, no detectable odor.

Shale, grey-green.

Limestone, cream, buff, off-white, crystalline, oolitic, oolitic, barron.

Limestone, tan, buff, crystalline, dense, trace grey chert.

Shale, grey-black.

Vis 47
Wt 8.8

DST #1 3804-3854'
Times 30-60-30-60
1st Opening - BOB
18 minutes, no blow back.
2nd Opening - Built to 9', no blow back.
Recovery:
63' MCW(50%M, 50% W)
63' MCW (5% M, 95% W)
63' MCW (2-% M 80% W)
65' MCW (50%M, 50% W)
5' OMCW (5% O, 40% M, 55% W)
IFP 22-83#
FFP 87-136#
ISIP 742#
FSIP 714#
IHP/FHP 1896/1796#

KDT Mud Check
July 27, 2014
3867' @ 11:00 am
Vis 33
Wt 9.1
pH 9.5
WL 12.0
Chlor 1000
LCM 1 1/2#

Vis 50
Wt 9.1

Strap At 3854'
2.03' Short to Board
Survey 1/4 degree.

DST #2 3856-3892'
Times 30-60-30-60
1st Opening - BOB
2 minutes. no blow back.
2nd Opening - BOB
6 minutes, no blow back.
Recovery:
302' OMCW (3% O, 67% W, 30% M)
1018' MCW(90% W, 10% M)
63' MCW(60%W 40% M)
IFP 98-380#
FFP 398-535#
IDIP 713#
FSIP 697#
IHP/FHP 1864/1791#
Chlorides 41,000

Vis 46
Wt 9.1

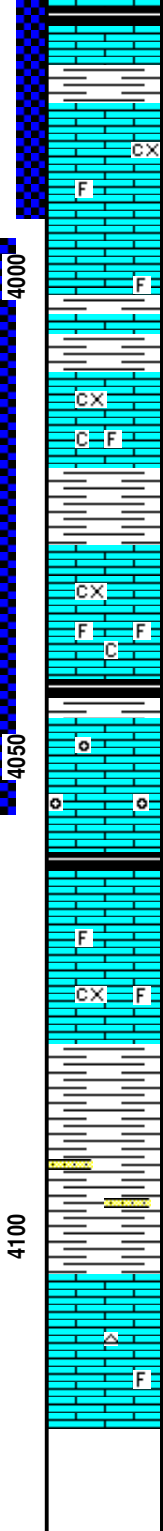
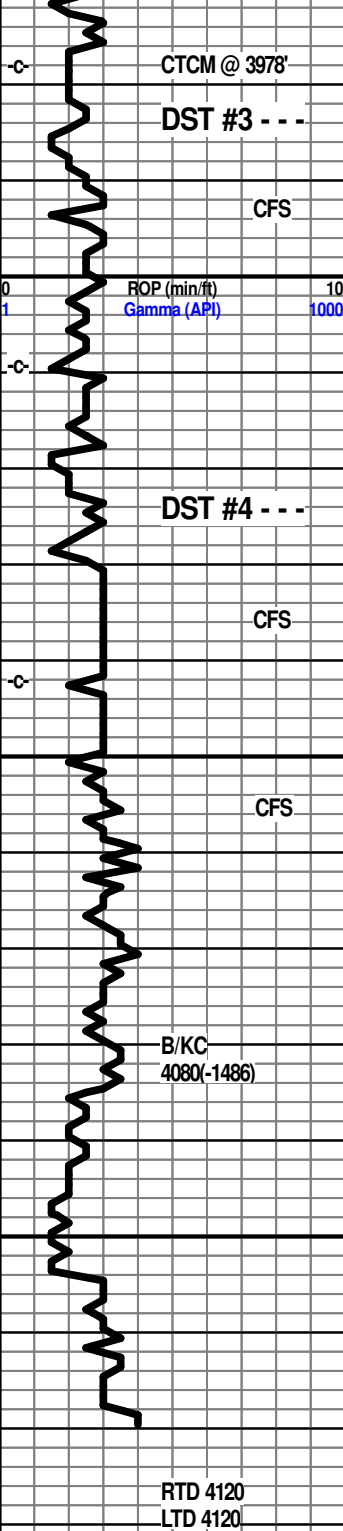
Vis 44
Wt 9.1

ABUNDANT
SHALES IN
SAMPLES

Vis 42
Wt 9.1

Vis 48
Wt 9.1

KDT Mud Check
3978' @ 8:30 am
Vis 44
Wt 9.2
pH 9.5



Shale, grey, dense.

Shale, grey-red-brown.

Limestone, buff, cream, crystalline, fossil frags, fossil porosity, trace crystalline porosity, few small vugs, fair odor, show of free gassy oil. spotty staining.

Limestone, cream-white, crystalline, dense, trace fossils.

Shale grey, red-brown.

Limestone, cream, tan, crystalline, trace pin point porosity, trace staining, chalky in part, ?? show light oil.

Shale, red-brown, grey, soft.

Limestone, cream-white, crystalline, trace foss porosity, trace pin point porosity, asphaltic stain, trace of free oil, no odor, poor porosity, chalky?.

Limestone, cream, tan, crystalline, trace pin point porosity, fossils, trace oolities, very poor show oil, very faint odor, trace asphaltic stain.

Shale, grey-black, some red-brown.

Limestone, buff-white, crystalline, dense, trace fossils, trace asphaltic stain, no odor.

Shale, red-green, grey, sandy in part.

Limestone, cream, buff-white, xln, dense, trace chert.

WL 9.6
Chlor 1000
LCM 1#

Vis 43
Wt 9.0
Mix Mud

DST #3 3964 - 3993
Times 30-60-30-60
1st Opening - BOB
12 minutes, 1/4:
blow back.

Vis 54
Wt 9.1

2nd Opening - BOB
16 minutes, 2' blow
back. TG 200

Recovery:
20' GO (5% G, 95%
O)
106' OMCW (5% O,
55% W, 40% M)
63' OMCW (2% O,
78% W, 20% M)
IFP 25-65#
FFP 70-102#
ISIP 807#
FSIP 747#
IHP/FHP 1985/1837#

Vis 57
Wt 9.1

Vis 54
Wt 9.1
LCM 1#
POOR SAMPLES

KDT Mud Check
July 28, 2014
Vis 68
Wt 9.3
PH 9.5
WL 8.8
Chlor 3000
LCM 1#

DST #4 3996-4056
Times 30-30-30-30
1st Opening - Built
to 1 inch, no blow
back.
2nd Opening - no
blow, no blow
back.

Recovery: 2'
Drilling Mud.
IFP 16-19#
FFP 18-20#
ISIP 77#
FSIP 47#
IHP/FHP 2041/1867#

Temp 117

Survey @ 4120'
1 1/4 degree

4000
4050
4100
4150

