

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Eternity Exploration, LLC
Well Name	DJ LADENBURGER 1
Doc ID	1381393

Tops

Name	Top	Datum
Anhydrite	2624	+405
B/Anhydrite	2655	+374
Heebner	4024	-995
Lansing	4062	-1033
Stark	4276	-1247
B/KC	4340	-1311
Pawnee	4460	-1431
RTD	4470	-1441



DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass Dr.
Coppell, TX 75019

ATTN: Kim Shoemaker

DJ Landenbuge #1

18-9s-31w Thomas,KS

Start Date: 2017.12.12 @ 06:36:02

End Date: 2017.12.12 @ 12:49:32

Job Ticket #: 64281 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.12.14 @ 16:08:42



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

ATTN: Kim Shoemaker

Job Ticket: 64281

DST#: 1

Test Start: 2017.12.12 @ 06:36:02

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:38:32

Time Test Ended: 12:49:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4190.00 ft (KB) To 4275.00 ft (KB) (TVD)

Reference Elevations: 3029.00 ft (KB)

Total Depth: 4275.00 ft (KB) (TVD)

3024.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 24.54 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.12.12

End Date:

2017.12.12

Last Calib.: 2017.12.12

Start Time: 06:36:07

End Time:

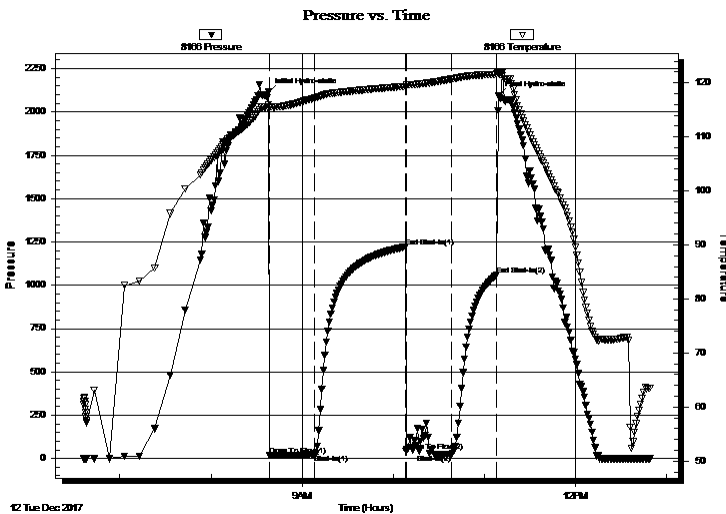
12:49:31

Time On Btm: 2017.12.12 @ 08:38:02

Time Off Btm: 2017.12.12 @ 11:09:32

TEST COMMENT: IF: 1/4" blow built to 2"
IS: No return.
FF: Surface blow built to 3/4"
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.59	115.93	Initial Hydro-static
1	16.57	115.53	Open To Flow (1)
31	21.55	117.21	Shut-In(1)
90	1220.94	119.35	End Shut-In(1)
91	40.25	119.28	Open To Flow (2)
121	24.54	120.71	Shut-In(2)
150	1058.47	121.59	End Shut-In(2)
152	2091.33	121.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	w cm oil spots 10%w 90%m	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64281

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2017.12.12 @ 06:36:02

Tool Information

Drill Pipe:	Length: 4183.00 ft	Diameter: 3.80 inches	Volume: 58.68 bbl	Tool Weight: 2000.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4190.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4164.00	
Shut In Tool	5.00			4169.00	
Hydraulic tool	5.00			4174.00	
Jars	5.00			4179.00	
Safety Joint	2.00			4181.00	
Packer	5.00			4186.00	27.00 Bottom Of Top Packer
Packer	4.00			4190.00	
Stubb	1.00			4191.00	
Recorder	0.00	6651	Inside	4191.00	
Recorder	0.00	8166	Outside	4191.00	
Perforations	14.00			4205.00	
Change Over Sub	1.00			4206.00	
Drill Pipe	31.00			4237.00	
Change Over Sub	1.00			4238.00	
Bullnose	5.00			4243.00	53.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64281

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2017.12.12 @ 06:36:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	w cm oil spots 10%w 90%m	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

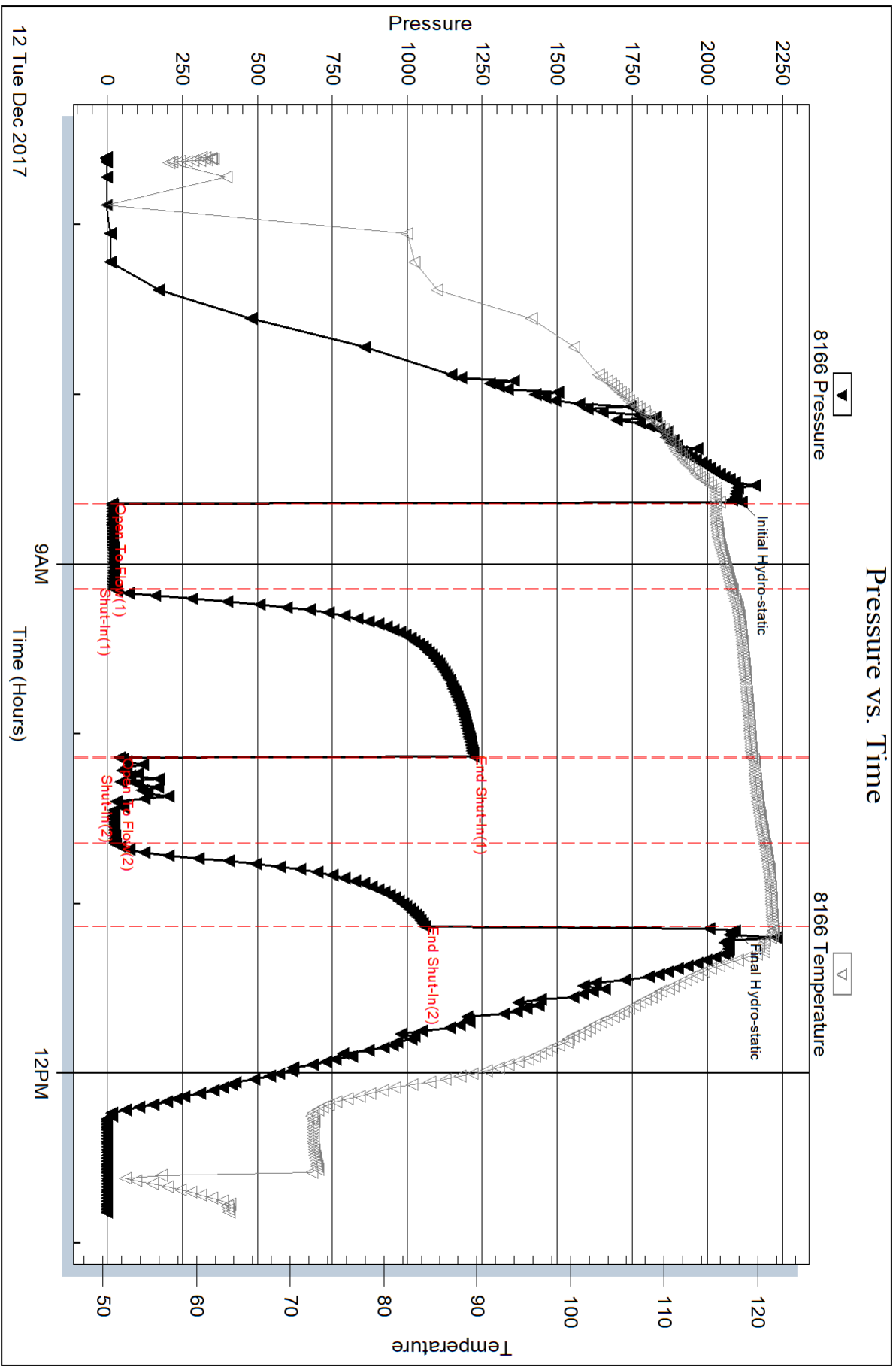
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@57=39000



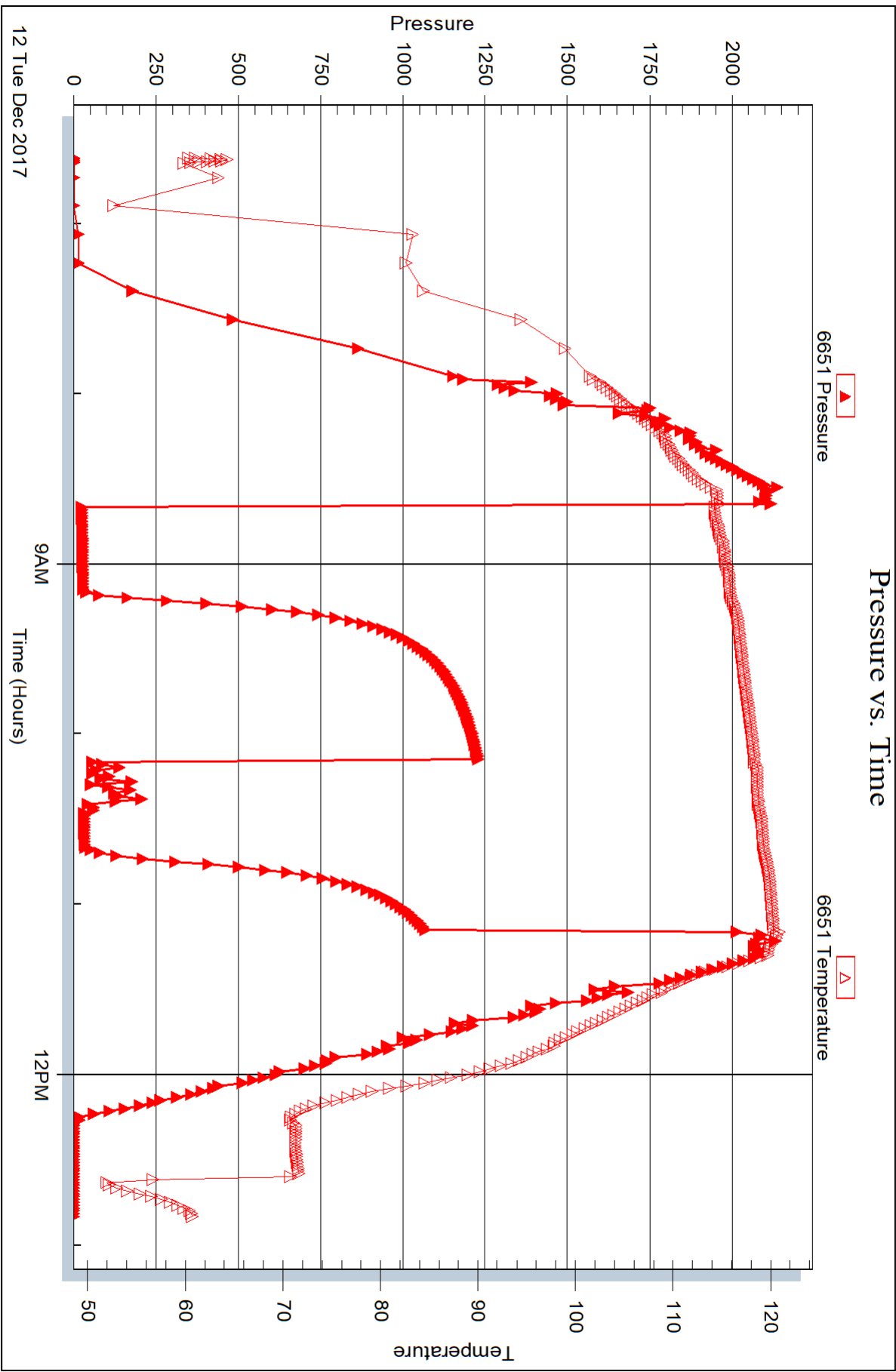
Serial #: 6651

Inside

Eternity Exploration LLC

DJ Landenburge #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass Dr.
Coppell, TX 75019

ATTN: Kim Shoemaker

DJ Landenburge #1

18-9s-31w Thomas,KS

Start Date: 2017.12.12 @ 20:23:20

End Date: 2017.12.13 @ 01:50:20

Job Ticket #: 64282 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.12.14 @ 16:08:15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

ATTN: Kim Shoemaker

Job Ticket: 64282

DST#: 2

Test Start: 2017.12.12 @ 20:23:20

GENERAL INFORMATION:

Formation: **LKC K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:50

Time Test Ended: 01:50:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4270.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 3029.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

3024.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 17.76 psig @ 4271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.12.12

End Date:

2017.12.13

Last Calib.: 2017.12.13

Start Time: 20:23:25

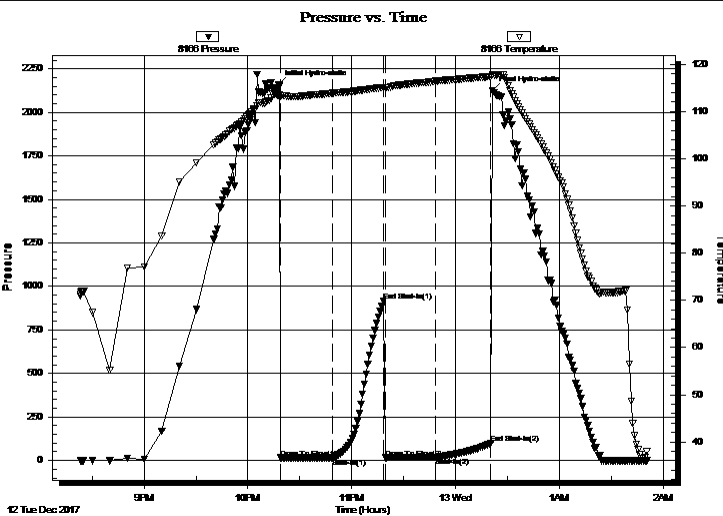
End Time:

01:50:19

Time On Btm: 2017.12.12 @ 22:17:50

Time Off Btm: 2017.12.13 @ 00:21:20

TEST COMMENT: IF: Surface blow that never built.
IS: No return.
FF: Surface blow that built to 1/2"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.10	113.44	Initial Hydro-static
1	14.96	113.28	Open To Flow (1)
31	15.40	113.88	Shut-In(1)
61	915.41	115.13	End Shut-In(1)
62	14.69	114.97	Open To Flow (2)
91	17.76	116.44	Shut-In(2)
123	97.88	117.42	End Shut-In(2)
124	2124.08	117.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10%o 90%m	0.14

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

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64282

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2017.12.12 @ 20:23:20

Tool Information

Drill Pipe:	Length: 4275.00 ft	Diameter: 3.80 inches	Volume: 59.97 bbl	Tool Weight: 2000.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.97 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4270.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 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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Stubb	1.00			4244.00	
Shut In Tool	5.00			4249.00	
Hydraulic tool	5.00			4254.00	
Jars	5.00			4259.00	
Safety Joint	2.00			4261.00	
Packer	5.00			4266.00	27.00 Bottom Of Top Packer
Packer	4.00			4270.00	
Stubb	1.00			4271.00	
Recorder	0.00	6651	Inside	4271.00	
Recorder	0.00	8166	Outside	4271.00	
Perforations	29.00			4300.00	
Bullnose	5.00			4305.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64282

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2017.12.12 @ 20:23:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 10%o 90%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

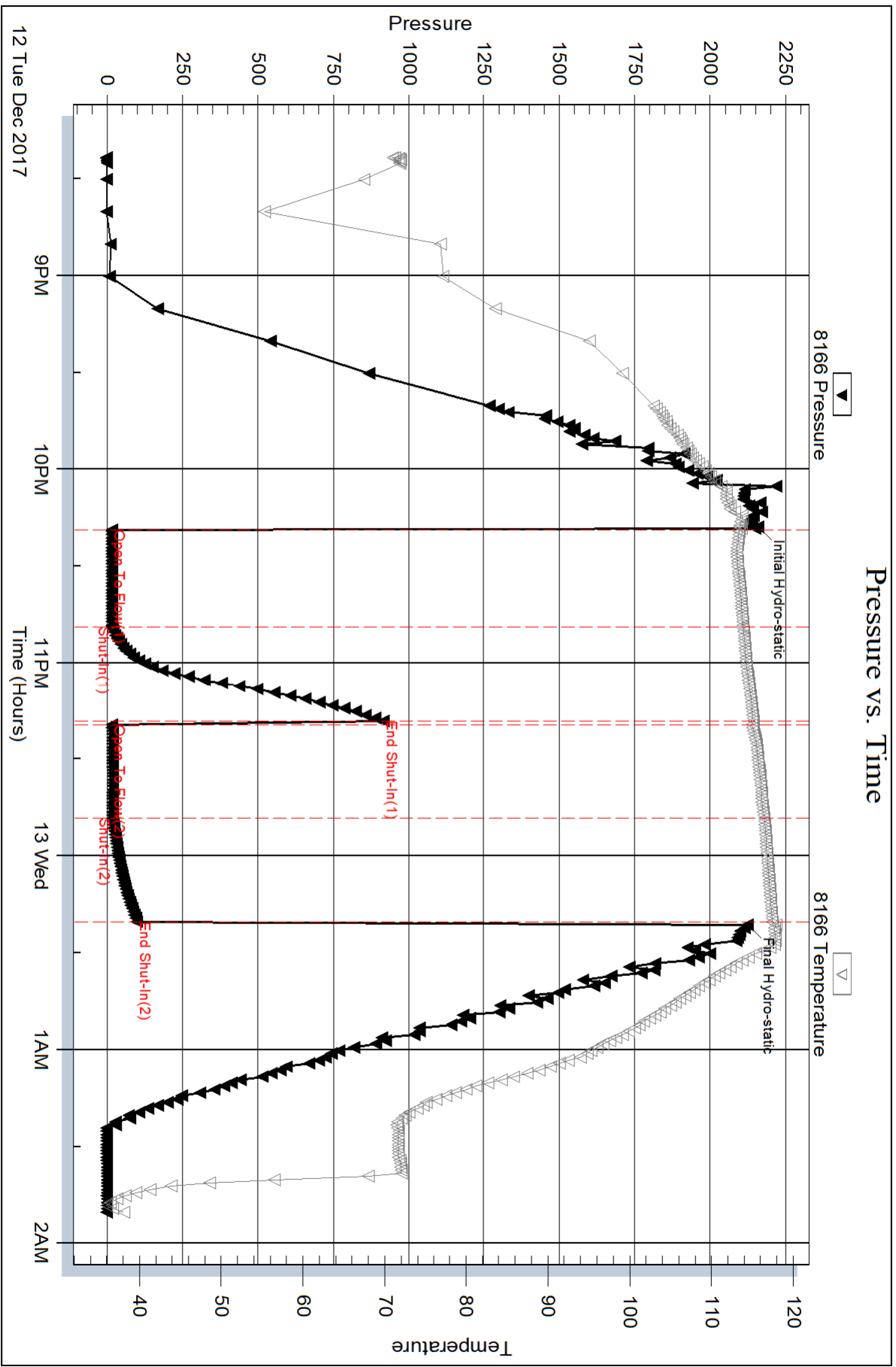
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



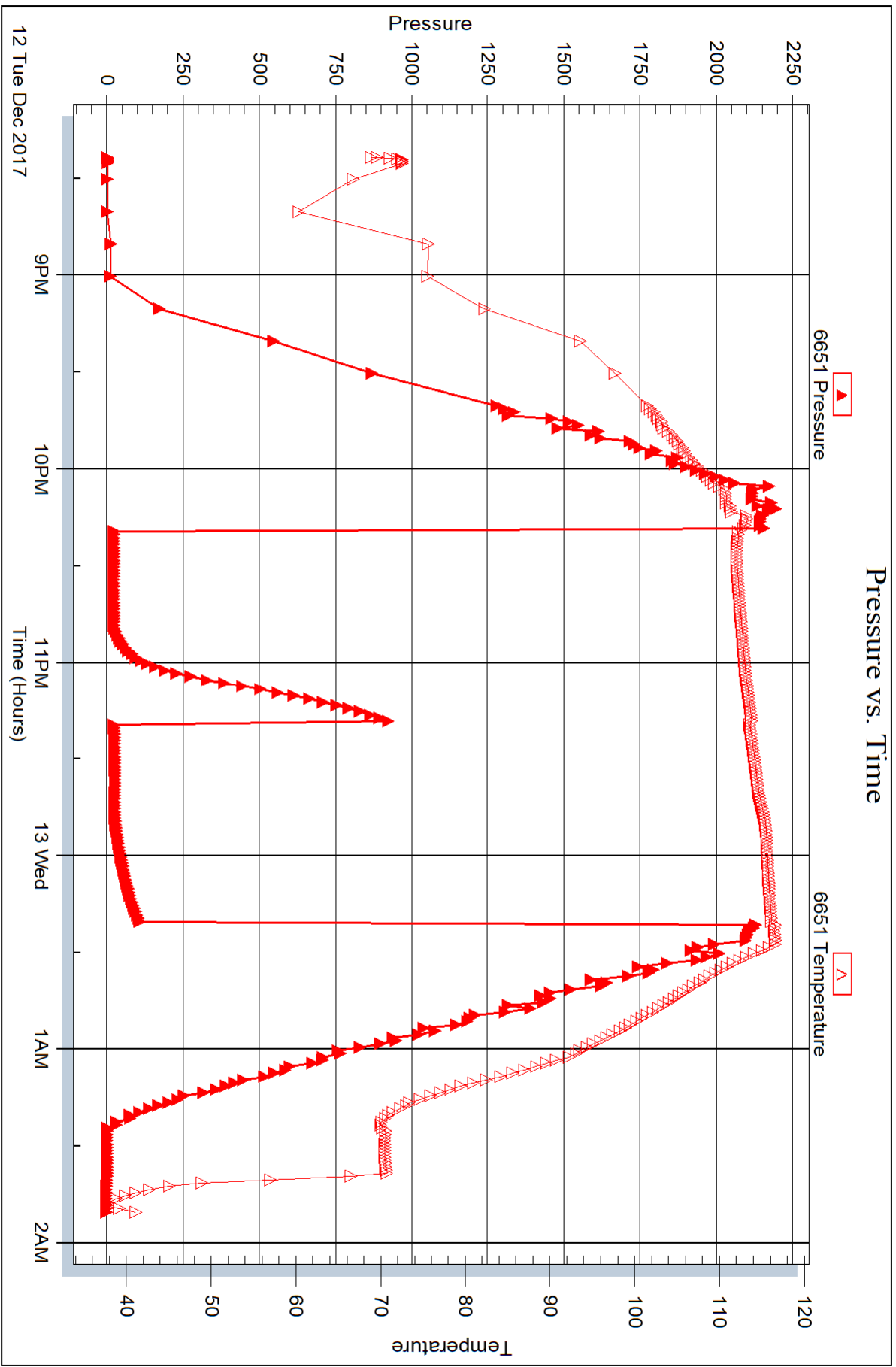
Serial #: 6651

Inside

Eternity Exploration LLC

DJ Landenburge #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration LLC**

338 Spyglass Dr.
Coppell, TX 75019

ATTN: Kim Shoemaker

DJ Landenburge #1

18-9s-31w Thomas,KS

Start Date: 2017.12.13 @ 11:20:55

End Date: 2017.12.13 @ 15:54:55

Job Ticket #: 64283 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.12.14 @ 16:07:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

ATTN: Kim Shoemaker

Job Ticket: 64283

DST#: 3

Test Start: 2017.12.13 @ 11:20:55

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:05:25

Time Test Ended: 15:54:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4310.00 ft (KB) To 4344.00 ft (KB) (TVD)

Reference Elevations: 3029.00 ft (KB)

Total Depth: 4344.00 ft (KB) (TVD)

3024.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 15.38 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.12.13

End Date: 2017.12.13

Last Calib.: 2017.12.13

Start Time: 11:21:00

End Time: 15:54:54

Time On Btm: 2017.12.13 @ 13:04:25

Time Off Btm: 2017.12.13 @ 14:16:25

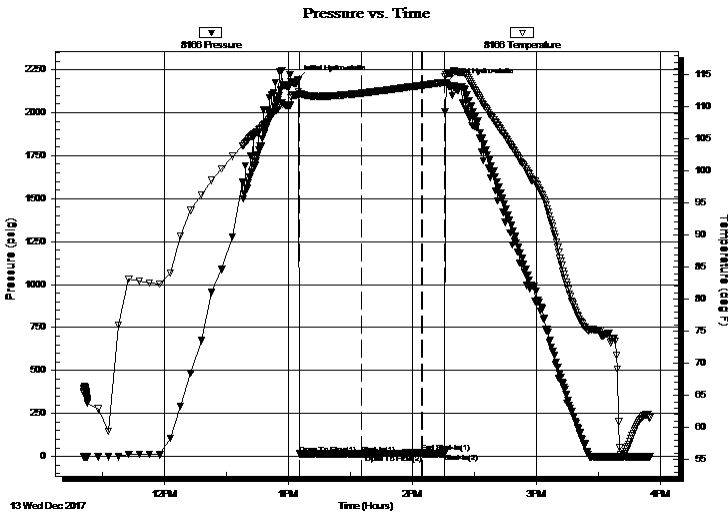
TEST COMMENT: IF: Surface blow died in 10 min.

IS: No return.

FF: No blow.

FS: Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.64	111.94	Initial Hydro-static
1	14.98	111.99	Open To Flow (1)
31	15.38	112.14	Shut-In(1)
60	22.68	113.36	End Shut-In(1)
61	15.59	113.38	Open To Flow (2)
71	16.00	113.84	Shut-In(2)
72	2172.25	115.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 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

TOOL DIAGRAM

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64283

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2017.12.13 @ 11:20:55

Tool Information

Drill Pipe:	Length: 4308.00 ft	Diameter: 3.80 inches	Volume: 60.43 bbl	Tool Weight: 2000.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4310.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	61.00 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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Stubb	1.00			4284.00	
Shut In Tool	5.00			4289.00	
Hydraulic tool	5.00			4294.00	
Jars	5.00			4299.00	
Safety Joint	2.00			4301.00	
Packer	5.00			4306.00	27.00 Bottom Of Top Packer
Packer	4.00			4310.00	
Stubb	1.00			4311.00	
Recorder	0.00	6651	Inside	4311.00	
Recorder	0.00	8166	Outside	4311.00	
Perforations	28.00			4339.00	
Bullnose	5.00			4344.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eternity Exploration LLC

18-9s-31w Thomas,KS

338 Spyglass Dr.
Coppell, TX 75019

DJ Landenbuge #1

Job Ticket: 64283

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2017.12.13 @ 11:20:55

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2.00	mud oil spots 100%m	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

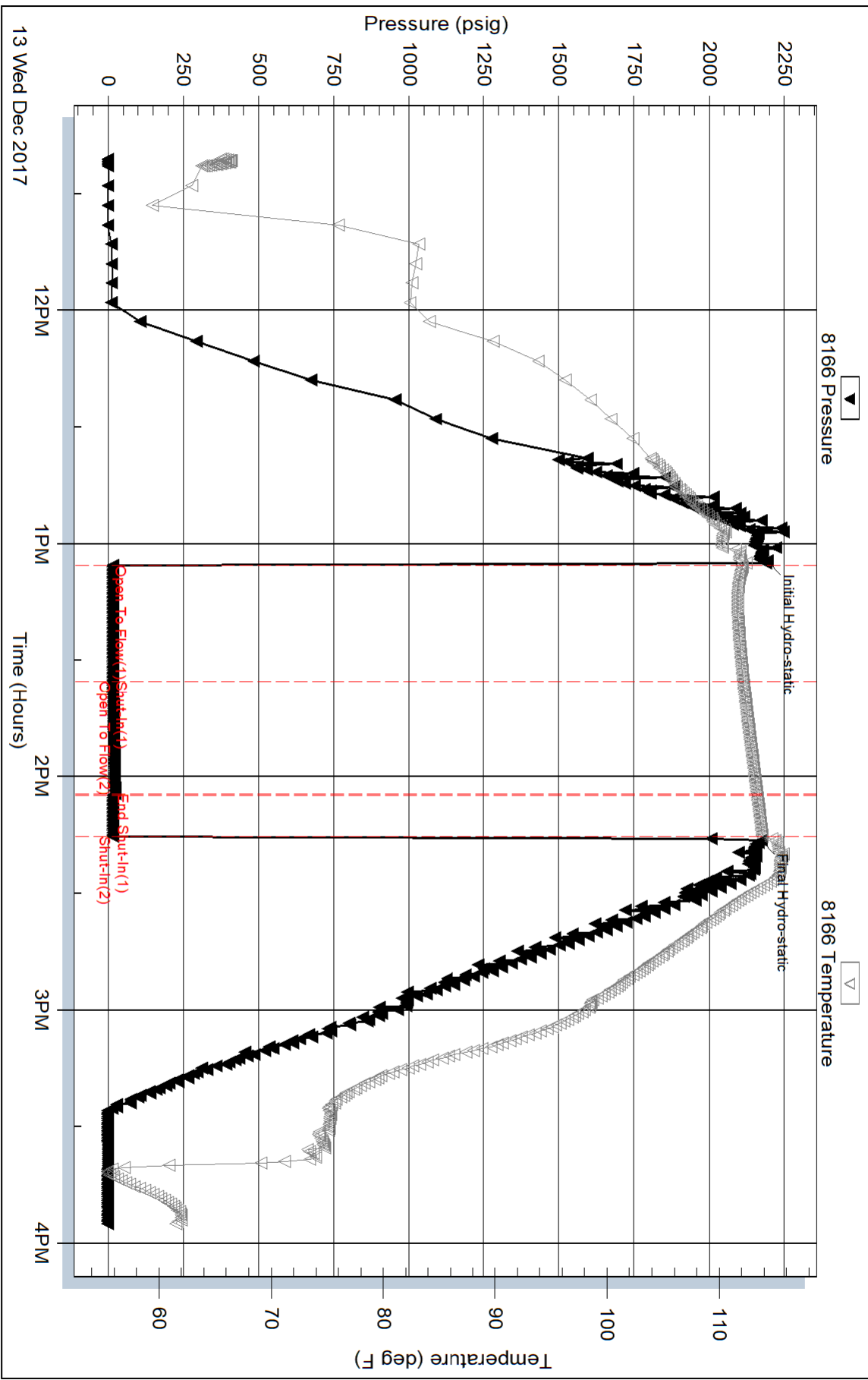
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



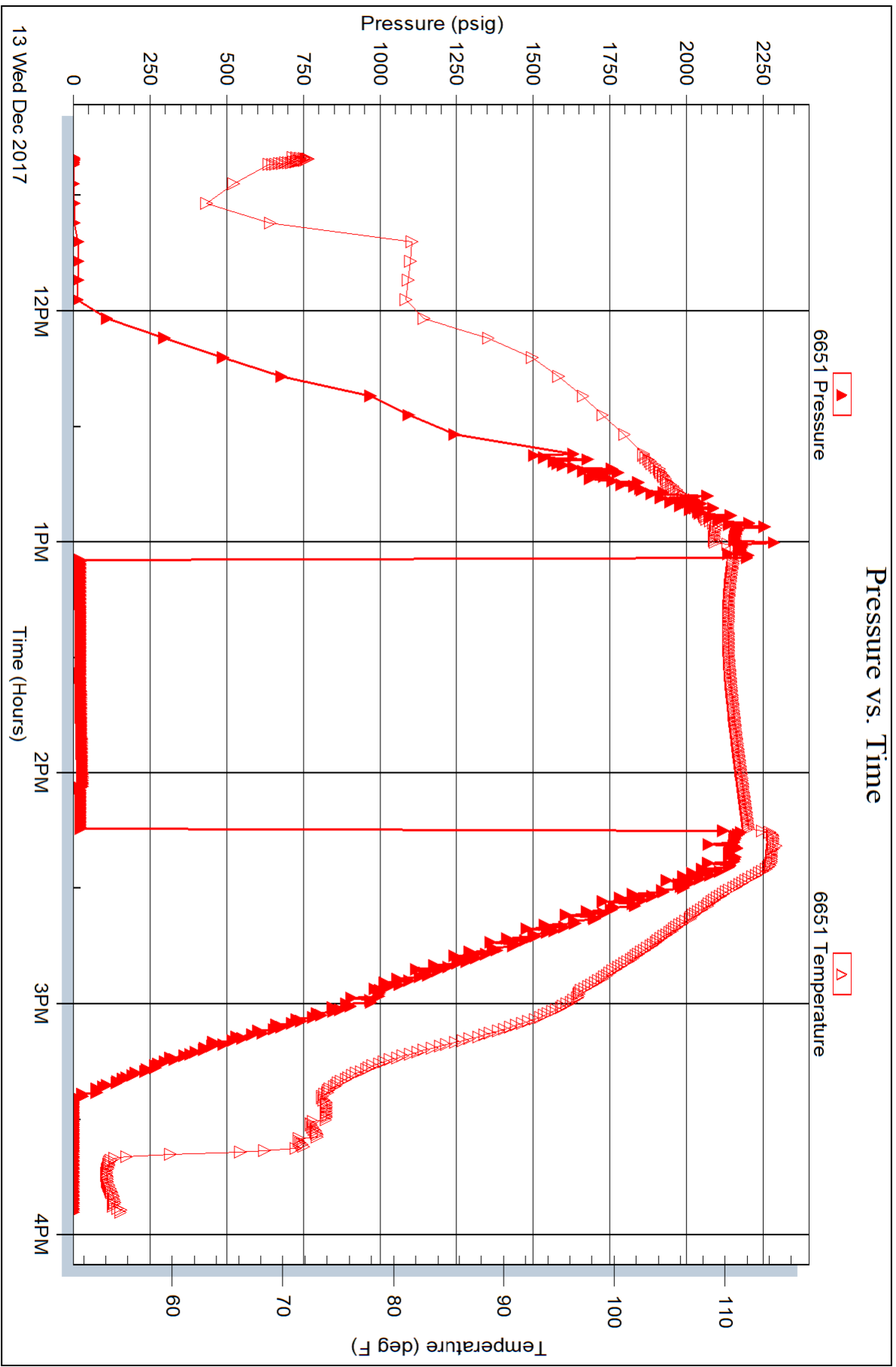
Serial #: 6651

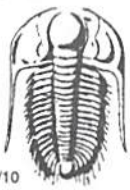
Inside

Eternity Exploration LLC

DJ Landenburge #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64281**

Well Name & No. DJ Lendenburger #1 Test No. 1 Date 12-12-17
 Company ENTERITY Exploration LLC Elevation 3029 KB 3024 GL
 Address 338 SPYGLASS DR Coppell, TX 75019
 Co. Rep / Geo. Kim Shoemaker Rig LD
 Location: Sec. 18 Twp. 9S Rge. 31W Co. THOMAS State KS

Interval Tested 4190 4275 Zone Tested LKC - H-J
 Anchor Length 85 Drill Pipe Run 4183 Mud Wt. 9.1
 Top Packer Depth 4185 Drill Collars Run — Vis 50
 Bottom Packer Depth 4190 Wt. Pipe Run — WL 7.2
 Total Depth 4275 Chlorides 2000 ppm System LCM 1

Blow Description IF: 1/4 blow built to 2.
IS: No return.
FS: surface blow built to 3/4.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>wcm oil spots</u>		<u>10</u>	<u>90</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 20 BHT 121 Gravity — API RW .22 @ 57 °F Chlorides 39,000 ppm

(A) Initial Hydrostatic 2113 Test 1150 T-On Location 4:00
 (B) First Initial Flow 16 Jars 250 T-Started 6:36
 (C) First Final Flow 21 Safety Joint 75 T-Open 8:38
 (D) Initial Shut-In 1220 Circ Sub N/C T-Pulled 11:08
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 12:48
 (F) Second Final Flow 24 Mileage 132 - 106rt 79.50
 (G) Final Shut-In 1058 Sampler _____
 (H) Final Hydrostatic 2091 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1554.50

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

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1554.50
 MP/DST Disc't _____

Approved By [Signature] 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. **64282**

Well Name & No. DJ Lyndenburger #1 Test No. 2 Date 12-12-17
 Company Eternity Exploration Elevation 3029 KB 3024 GL
 Address _____
 Co. Rep / Geo. Kim Shoemaker Rig LD
 Location: Sec. 18 Twp. 9S Rge. 31W Co. Thomas State KS

Interval Tested 4270 4305 Zone Tested LKC K
 Anchor Length 35 Drill Pipe Run 4275 Mud Wt. 9.3
 Top Packer Depth 4265 Drill Collars Run — Vis 48
 Bottom Packer Depth 4270 Wt. Pipe Run — WL 8.0
 Total Depth 4305 Chlorides 2200 ppm System LCM 1

Blow Description IF: surface blow never built.
IS: No return.
FF: surface blow built to 1/2.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>ocm</u>	<u>10</u>		<u>90</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 10 BHT 117 Gravity — API RW —@ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2159</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>20:00</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:23</u>
(C) First Final Flow <u>15</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:19</u>
(D) Initial Shut-In <u>915</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>00:19</u>
(E) Second Initial Flow <u>14</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:52</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>132-79.50</u>	Comments _____
(G) Final Shut-In <u>97</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2124</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1554.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1554.50</u>	

Approved By _____ Our Representative

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64283**

Well Name & No. DJ Landenburger Test No. 3 Date 12-13-17
 Company Eternity Exploration Elevation 3029 KB 3024 GL
 Address _____
 Co. Rep / Geo. Kim Shoemaker Rig LD
 Location: Sec. 18 Twp. 95 Rge. 31W Co. THOMAS State KS

Interval Tested 4310 4344 Zone Tested LKC L
 Anchor Length 34 Drill Pipe Run 4308 Mud Wt. 9.4
 Top Packer Depth 4305 Drill Collars Run — Vis 56
 Bottom Packer Depth 4310 Wt. Pipe Run — WL 8.8
 Total Depth 4344 Chlorides 2500 ppm System LCM 1

Blow Description IF: Surface blow died in 10 min.
IS: No return.
FF: NO blow.
FS: Pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>mud oil spots</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 2 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2192</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:10</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:20</u>
(C) First Final Flow <u>15</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:04</u>
(D) Initial Shut-In <u>22</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>14:14</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:56</u>
(F) Second Final Flow <u>16</u>	<input checked="" type="checkbox"/> Mileage <u>132-X2</u> 159	Comments <u>loaded tools 12/14 11:30</u>
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2172</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1634</u>
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1634</u>	

Approved By [Signature] Our Representative [Signature]

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