

1266694

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			
Geologist Report / Mud Logs	<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)*

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>			PRODUCTION INTERVAL: Top _____ Bottom _____	

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	Cynosure Energy, LLC
Well Name	Wann Farms 1-1-15-20
Doc ID	1266694

All Electric Logs Run

Dual Induction Log
Dual Comp. Porosity
Microresistivity
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Cynosure Energy, LLC
Well Name	Wann Farms 1-1-15-20
Doc ID	1266694

Tops

Name	Top	Datum
Stone Corral	1303	757
Topeka	3038	-978
Heebner	3308	-1248
Lansing	3352	-1292
BKC	3602	-1542
Marmaton	3614	-1554
Pawnee	3643	-1583
Cherokee	3700	-1640
Granite	3726	-1666



DRILL STEM TEST REPORT

Prepared For: **Cynosure Energy LLC**

1125 17th Street Suite 410
Denver CO 80202

ATTN: Justin Carter

Wann Farms 1-1-15-20

1-15s-20w Ellis,KS

Start Date: 2015.07.11 @ 09:55:00

End Date: 2015.07.11 @ 18:26:00

Job Ticket #: 53758 DST #: 1

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

Printed: 2015.07.15 @ 09:11:26

Cynosure Energy LLC

1-15s-20w Ellis,KS

Wann Farms 1-1-15-20

DST # 1

Topeka

2015.07.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

ATTN: Justin Carter

Job Ticket: 53758

DST#: 1

Test Start: 2015.07.11 @ 09:55:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:22:45

Time Test Ended: 18:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 72

Interval: 3230.00 ft (KB) To 3315.00 ft (KB) (TVD)

Reference Elevations: 2060.00 ft (KB)

Total Depth: 3315.00 ft (KB) (TVD)

2052.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772 Inside

Press@RunDepth: 230.81 psig @ 3234.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.11

End Date:

2015.07.11

Last Calib.:

2015.07.11

Start Time: 09:55:05

End Time:

18:25:59

Time On Btm:

2015.07.11 @ 12:21:30

Time Off Btm:

2015.07.11 @ 16:12:45

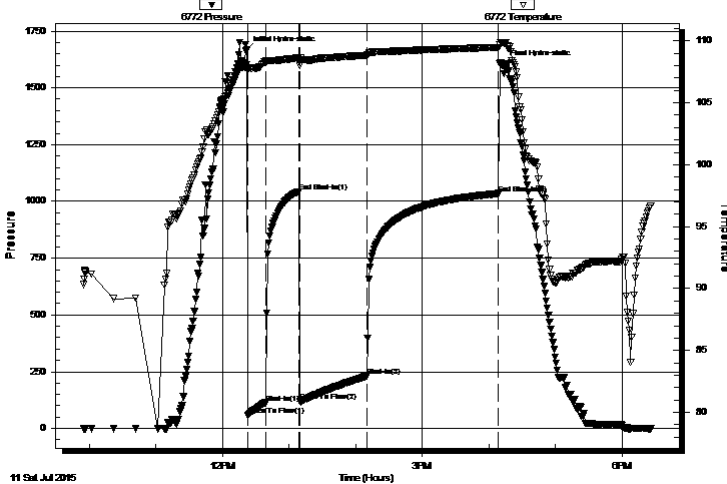
TEST COMMENT: IFP 15 - Weak surface blow built to 1/2"

ISI 30 - No blow back

FFP 60 - BOB in 26 min

FSI 120 - No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.28	108.07	Initial Hydro-static
2	57.44	107.76	Open To Flow (1)
18	112.63	108.25	Shut-In(1)
48	1043.05	108.63	End Shut-In(1)
49	118.59	108.01	Open To Flow (2)
109	230.81	108.84	Shut-In(2)
228	1034.66	109.48	End Shut-In(2)
232	1600.82	109.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 5%M 95%W	1.68
500.00	VSOCWM 1%O 40%W 59%M	7.01
10.00	OCMW 10%O 40%M 50%W	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53758

DST#: 1

ATTN: Justin Carter

Test Start: 2015.07.11 @ 09:55:00

Tool Information

Drill Pipe:	Length: 3219.00 ft	Diameter: 3.80 inches	Volume: 45.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 54000.00 lb
			<u>Total Volume: 45.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3230.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	115.00 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			3201.00	
Shut In Tool	5.00			3206.00	
Sampler	2.00			3208.00	
Hydraulic tool	5.00			3213.00	
Jars	5.00			3218.00	
Safety Joint	3.00			3221.00	
Packer	5.00			3226.00	30.00 Bottom Of Top Packer
Packer	4.00			3230.00	
Stubb	1.00			3231.00	
perforations	2.00			3233.00	
Change Over Sub	1.00			3234.00	
Recorder	0.00	6772	Inside	3234.00	
Recorder	0.00	8167	Outside	3234.00	
Drill Pipe	63.00			3297.00	
Change Over Sub	1.00			3298.00	
Perforations	14.00			3312.00	
Bullnose	3.00			3315.00	85.00 Bottom Packers & Anchor
Total Tool Length:	115.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53758

DST#: 1

ATTN: Justin Carter

Test Start: 2015.07.11 @ 09:55:00

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:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 5%M 95%W	1.683
500.00	VSOCWM 1%O 40%W 59%M	7.014
10.00	OCMW 10%O 40%M 50%W	0.140

Total Length: 630.00 ft Total Volume: 8.837 bbl

Num Fluid Samples: 0

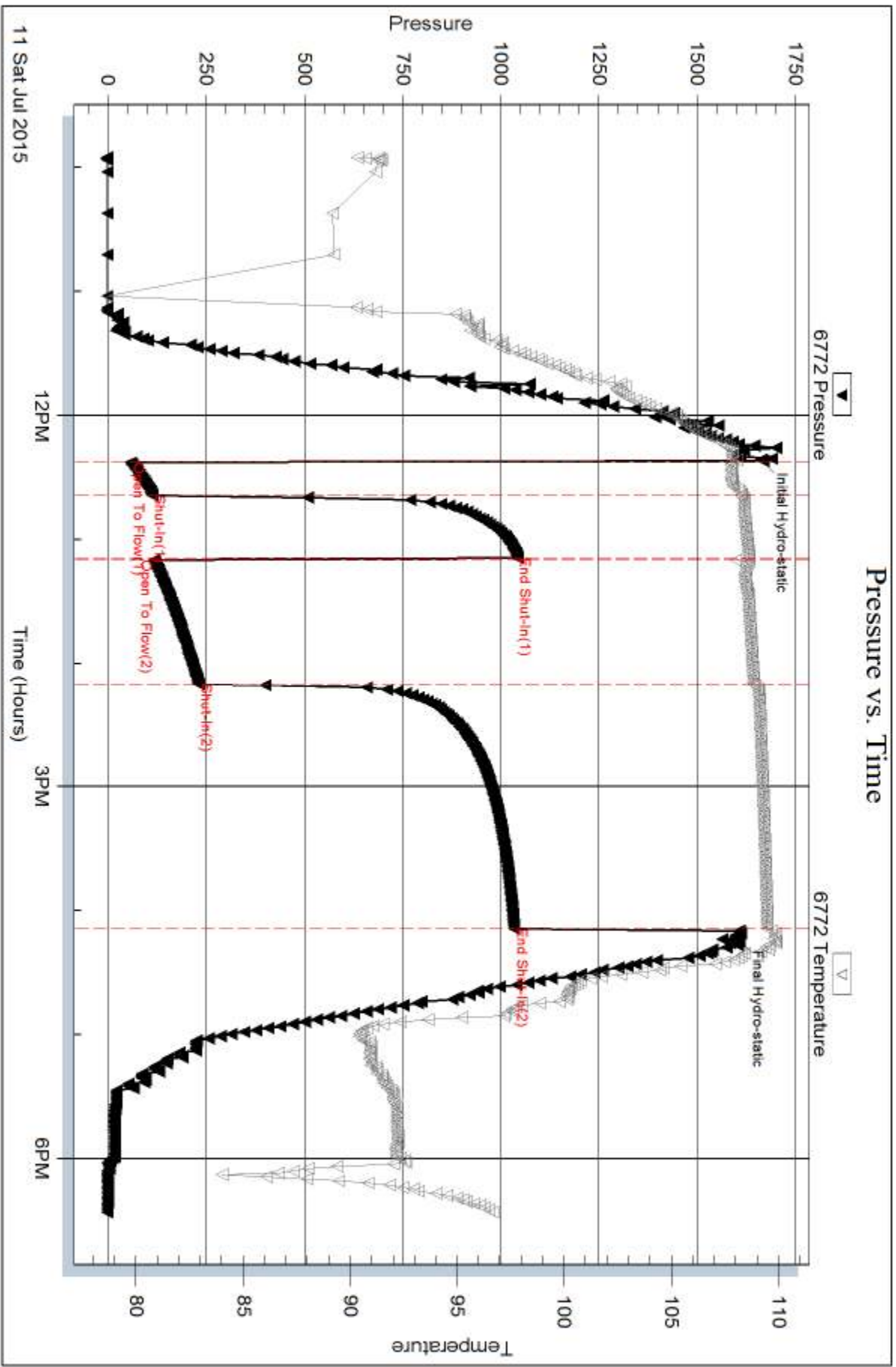
Num Gas Bombs: 0

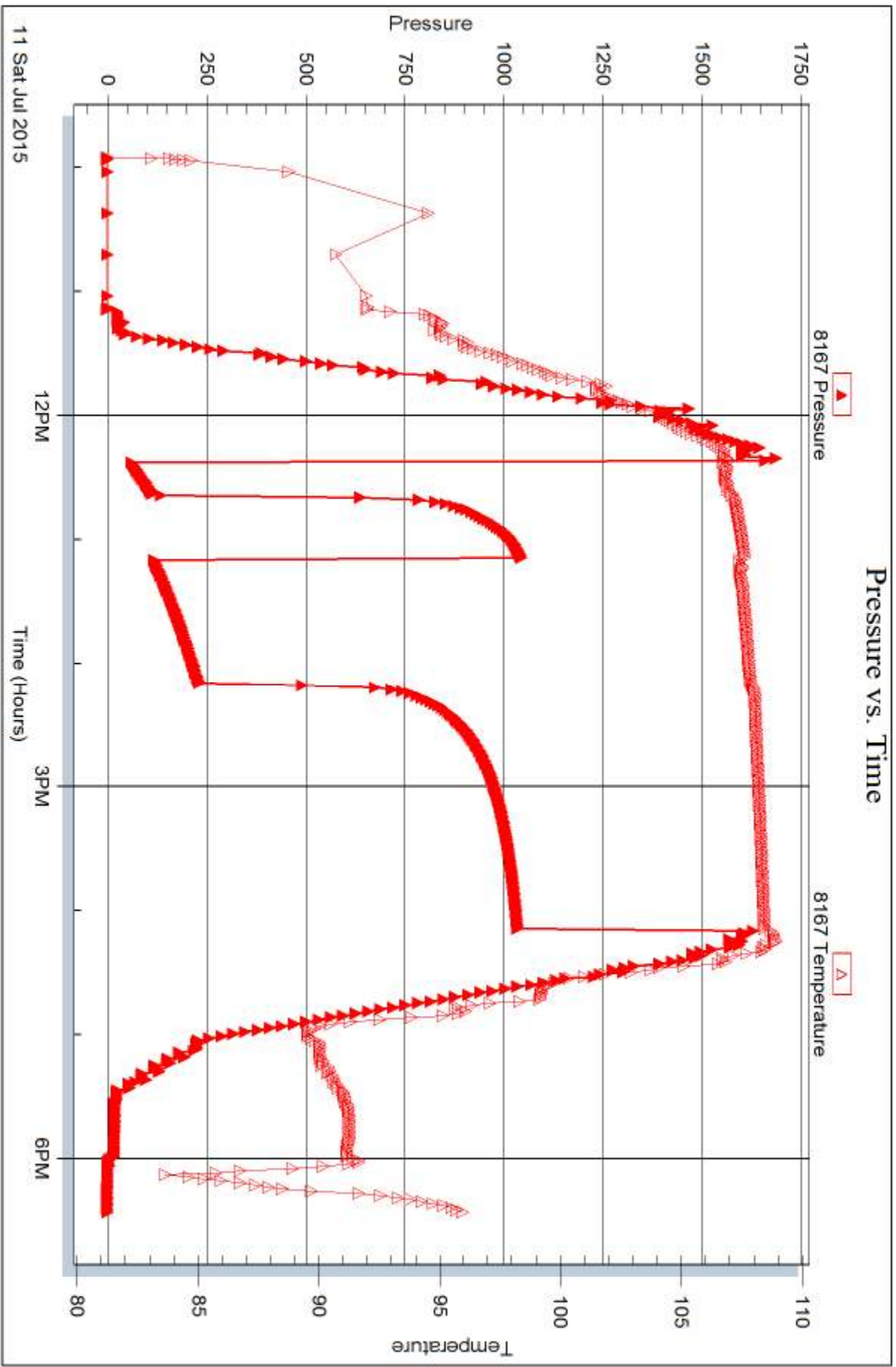
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler recovery = 250mL 50mL Mud .200mL Water PSI = 200
rW .09 @ 92.5 DEG.







DRILL STEM TEST REPORT

Prepared For: **Cynosure Energy LLC**

1125 17th Street Suite 410
Denver CO 80202

ATTN: Justin Carter

Wann Farms 1-1-15-20

1-15s-20w Ellis,KS

Start Date: 2015.07.12 @ 04:07:00

End Date: 2015.07.12 @ 11:45:00

Job Ticket #: 53759 DST #: 2

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

Printed: 2015.07.15 @ 09:11:01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

ATTN: Justin Carter

Job Ticket: 53759

DST#: 2

Test Start: 2015.07.12 @ 04:07:00

GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:41:30

Time Test Ended: 11:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: 3382.00 ft (KB) To 3416.00 ft (KB) (TVD)

Reference Elevations: 2060.00 ft (KB)

Total Depth: 3416.00 ft (KB) (TVD)

2052.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8167

Outside

Press@RunDepth: 360.74 psig @ 3385.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.12

End Date:

2015.07.12

Last Calib.: 1899.12.30

Start Time: 04:07:05

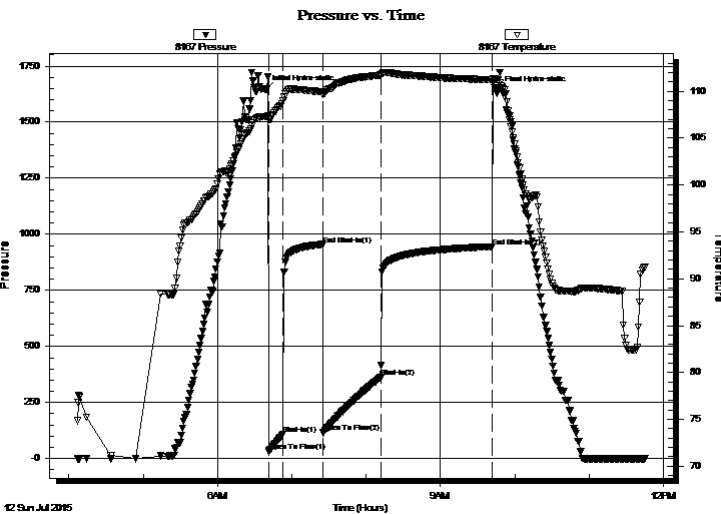
End Time:

11:44:59

Time On Btm: 2015.07.12 @ 06:38:45

Time Off Btm: 2015.07.12 @ 09:46:30

TEST COMMENT: IFP 10 - BOB in 5 min
ISI 30 - No blow back
FFP 45 - BOB in 7 min
FSI 90 - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.23	107.31	Initial Hydro-static
3	32.82	106.95	Open To Flow (1)
15	109.13	109.01	Shut-In(1)
46	953.34	110.00	End Shut-In(1)
47	115.23	109.68	Open To Flow (2)
93	360.74	111.72	Shut-In(2)
183	945.19	111.22	End Shut-In(2)
188	1638.99	111.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	M,W, 1%M 99%W	8.84
63.00	S,O,S,M,W, 1%O 30%M 69%W	0.88
0.00	SAMPLER REC. 100ML M,W, 1%M 99%W 0.00 PSI	

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53759

DST#: 2

ATTN: Justin Carter

Test Start: 2015.07.12 @ 04:07:00

Tool Information

Drill Pipe:	Length: 3376.00 ft	Diameter: 3.80 inches	Volume: 47.36 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 54000.00 lb
			<u>Total Volume: 47.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3382.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	64.00 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			3353.00	
Shut In Tool	5.00			3358.00	
Sampler	2.00			3360.00	
Hydraulic tool	5.00			3365.00	
Jars	5.00			3370.00	
Safety Joint	3.00			3373.00	
Packer	5.00			3378.00	30.00 Bottom Of Top Packer
Packer	4.00			3382.00	
Stubb	1.00			3383.00	
perforations	2.00			3385.00	
Recorder	0.00	6772	Inside	3385.00	
Recorder	0.00	8167	Outside	3385.00	
Drill Pipe	28.00			3413.00	
Bullnose	3.00			3416.00	34.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53759

DST#: 2

ATTN: Justin Carter

Test Start: 2015.07.12 @ 04:07:00

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:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
630.00	M,W, 1%M 99%W	8.837
63.00	S,O,S,M,W, 1%O 30%M 69%W	0.884
0.00	SAMPLER REC. 100ML M,W, 1%M 99%W 150	0.000

Total Length: 693.00 ft Total Volume: 9.721 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

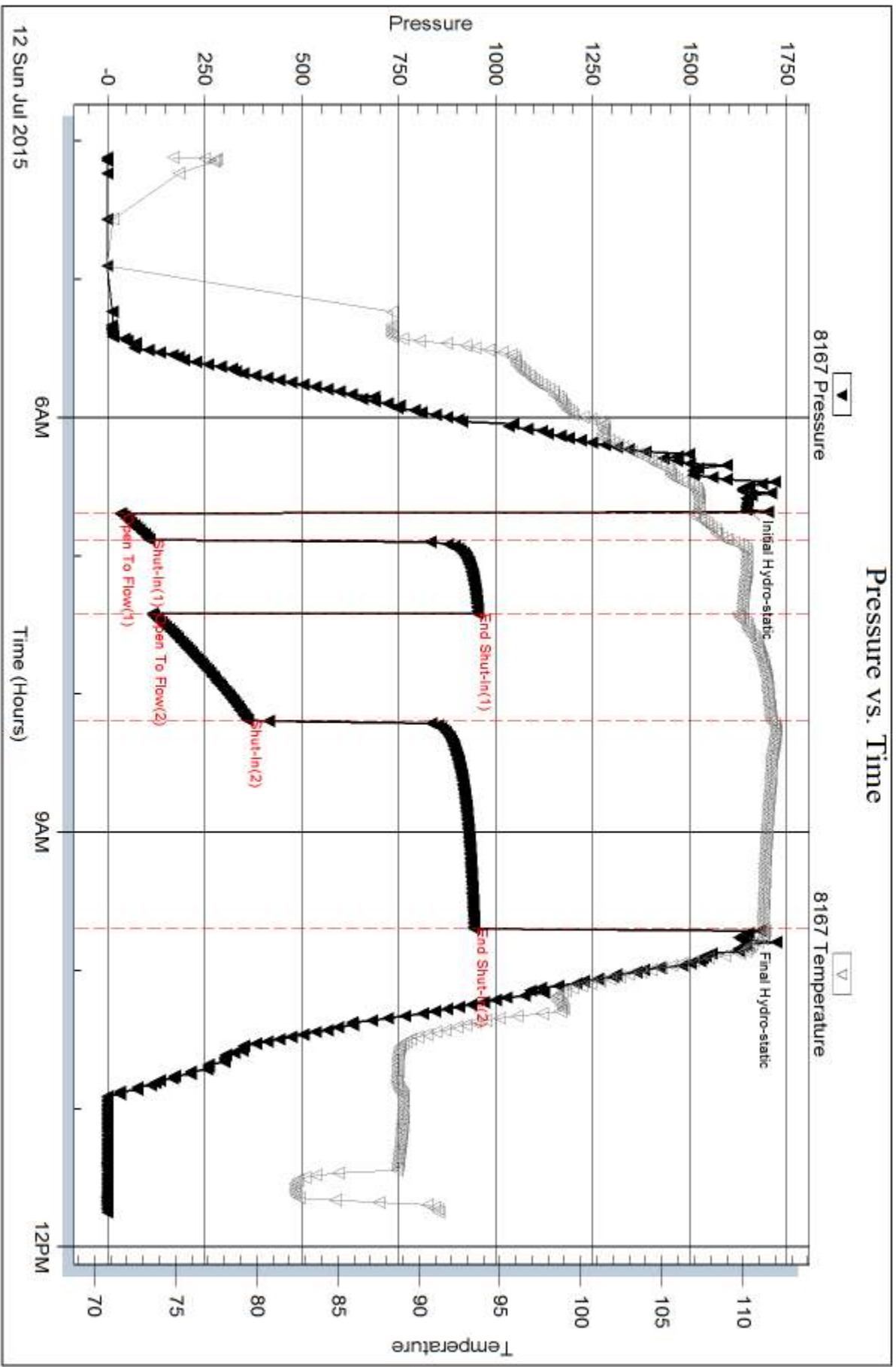
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: SAMPLER REC = 100 ML. M,W 1%M 99 %W 150 P.S.I

R.W. .05 OHMS @ 91.5 DEG.



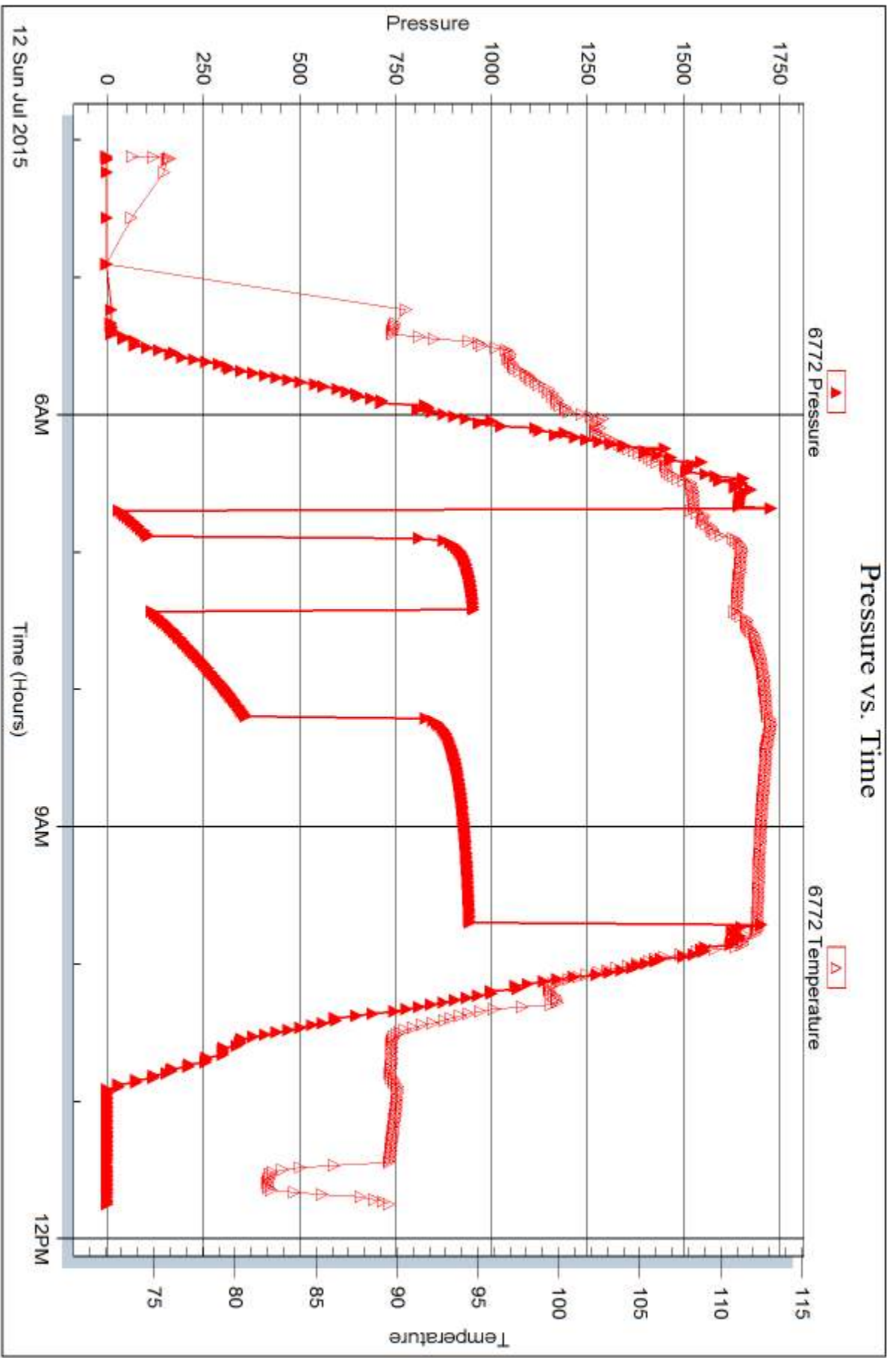
Serial #: 6772

Inside

Cynosure Energy LLC

Wann Farms 1-1-15-20

DST Test Number: 2



Triobike Testing, Inc

Ref. No: 53759

Printed: 2015.07.15 @ 09:11:02



DRILL STEM TEST REPORT

Prepared For: **Cynosure Energy LLC**

1125 17th Street Suite 410
Denver CO 80202

ATTN: Justin Carter

Wann Farms 1-1-15-20

1-15s-20w Ellis,KS

Start Date: 2015.07.14 @ 04:45:00

End Date: 2015.07.14 @ 12:40:30

Job Ticket #: 53760 DST #: 3

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

Printed: 2015.07.15 @ 09:08:24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

ATTN: Justin Carter

Job Ticket: 53760

DST#: 3

Test Start: 2015.07.14 @ 04:45:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:07:30

Time Test Ended: 12:40:30

Test Type: Conventional Straddle (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: 3680.00 ft (KB) To 3715.00 ft (KB) (TVD)

Reference Elevations: 2060.00 ft (KB)

Total Depth: 3796.00 ft (KB) (TVD)

2052.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772 Inside

Press@RunDepth: 1197.02 psig @ 3681.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.14

End Date:

2015.07.14

Last Calib.: 2015.07.14

Start Time: 04:45:05

End Time:

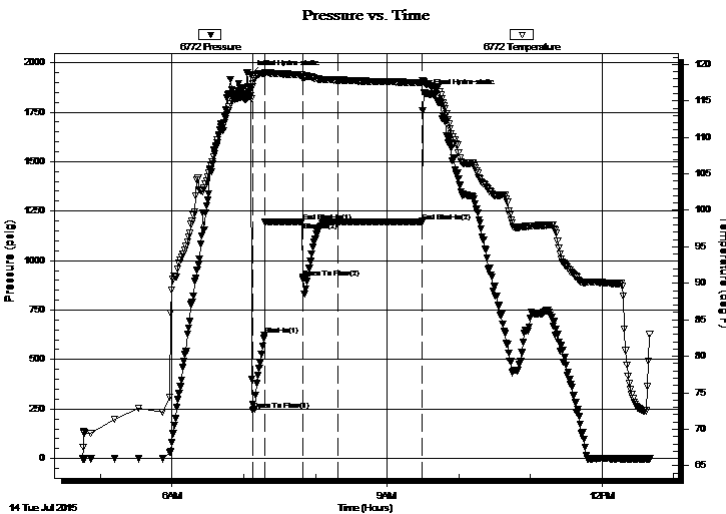
12:40:29

Time On Btm: 2015.07.14 @ 07:06:00

Time Off Btm: 2015.07.14 @ 09:33:15

TEST COMMENT: IFP 10 - BOB in 45 sec
ISI 30 - No blow back
FFP -30 - BOB in 30 sec
FSI 60 - No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.04	115.69	Initial Hydro-static
2	242.09	117.00	Open To Flow (1)
12	623.60	118.69	Shut-In(1)
43	1197.22	118.53	End Shut-In(1)
44	913.98	118.35	Open To Flow (2)
73	1197.02	117.83	Shut-In(2)
144	1197.52	117.54	End Shut-In(2)
148	1843.06	117.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1638.00	OCMW 20%O 20%M 60%W	22.98
1134.00	VSOCMW 1%O 24%M 75%W	15.91

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53760

DST#: 3

ATTN: Justin Carter

Test Start: 2015.07.14 @ 04:45:00

Tool Information

Drill Pipe:	Length: 3680.00 ft	Diameter: 3.80 inches	Volume: 51.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 51.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3680.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	3711.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	145.00 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			3651.00	
Shut In Tool	5.00			3656.00	
Sampler	2.00			3658.00	
Hydraulic tool	5.00			3663.00	
Jars	5.00			3668.00	
Safety Joint	3.00			3671.00	
Packer	5.00			3676.00	30.00 Bottom Of Top Packer
Packer	4.00			3680.00	
Stubb	1.00			3681.00	
Recorder	0.00	6772	Inside	3681.00	
Recorder	0.00	8167	Outside	3681.00	
Perforations	29.00			3710.00	
Blank Off Sub	1.00			3711.00	31.00 Tool Interval
Packer	5.00			3716.00	
Perforations	11.00			3727.00	
Change Over Sub	1.00			3728.00	
Recorder	0.00	8845	Below	3728.00	
Drill Pipe	63.00			3791.00	
Change Over Sub	1.00			3792.00	
Bullnose	3.00			3795.00	84.00 Bottom Packers & Anchor

Total Tool Length: 145.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cynosure Energy LLC

1-15s-20w Ellis,KS

1125 17th Street Suite 410
Denver CO 80202

Wann Farms 1-1-15-20

Job Ticket: 53760

DST#: 3

ATTN: Justin Carter

Test Start: 2015.07.14 @ 04:45:00

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:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1638.00	OCMW 20%O 20%M 60%W	22.977
1134.00	VSOCMW 1%O 24%M 75%W	15.907

Total Length: 2772.00 ft Total Volume: 38.884 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

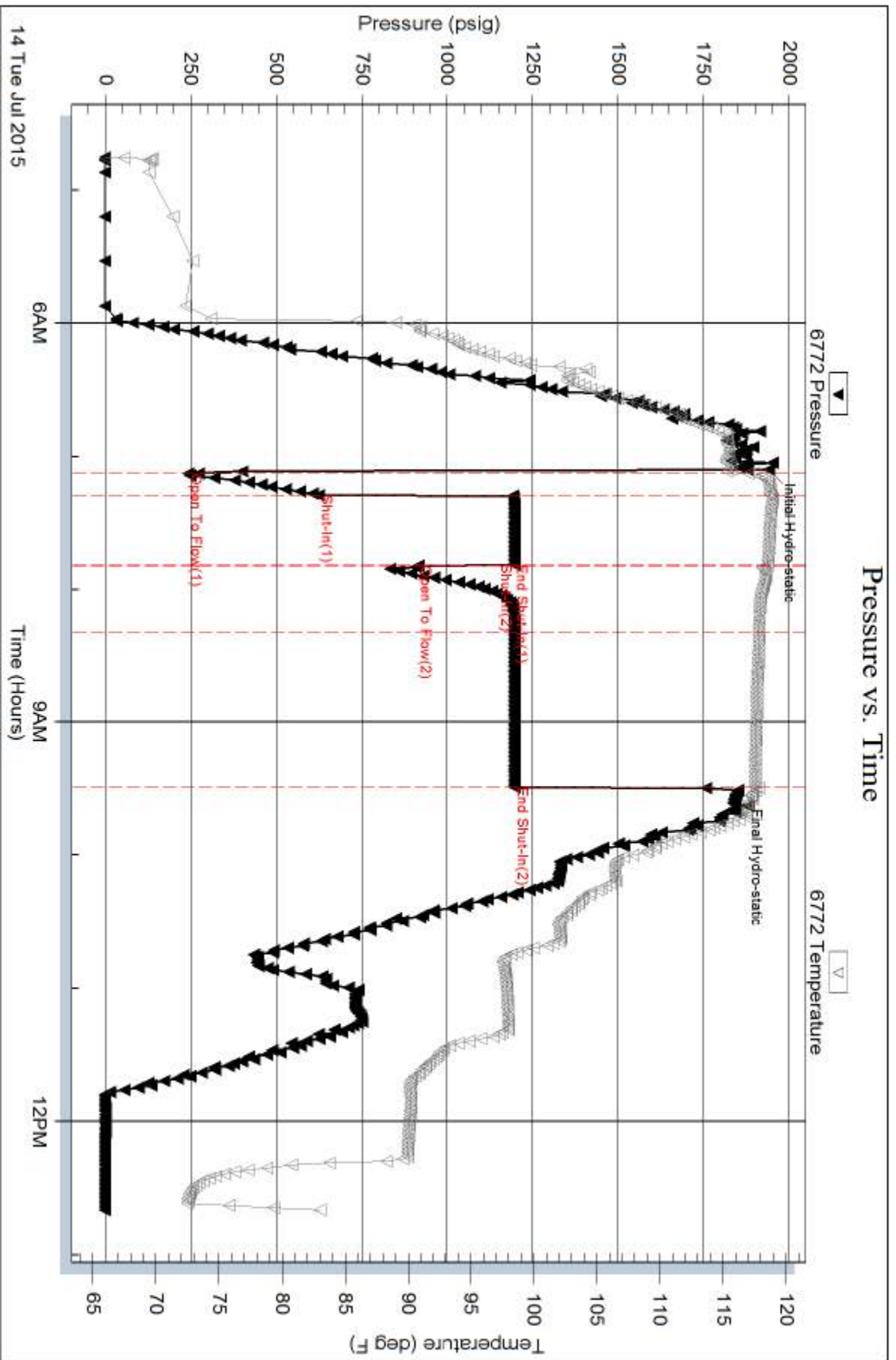
Serial #:

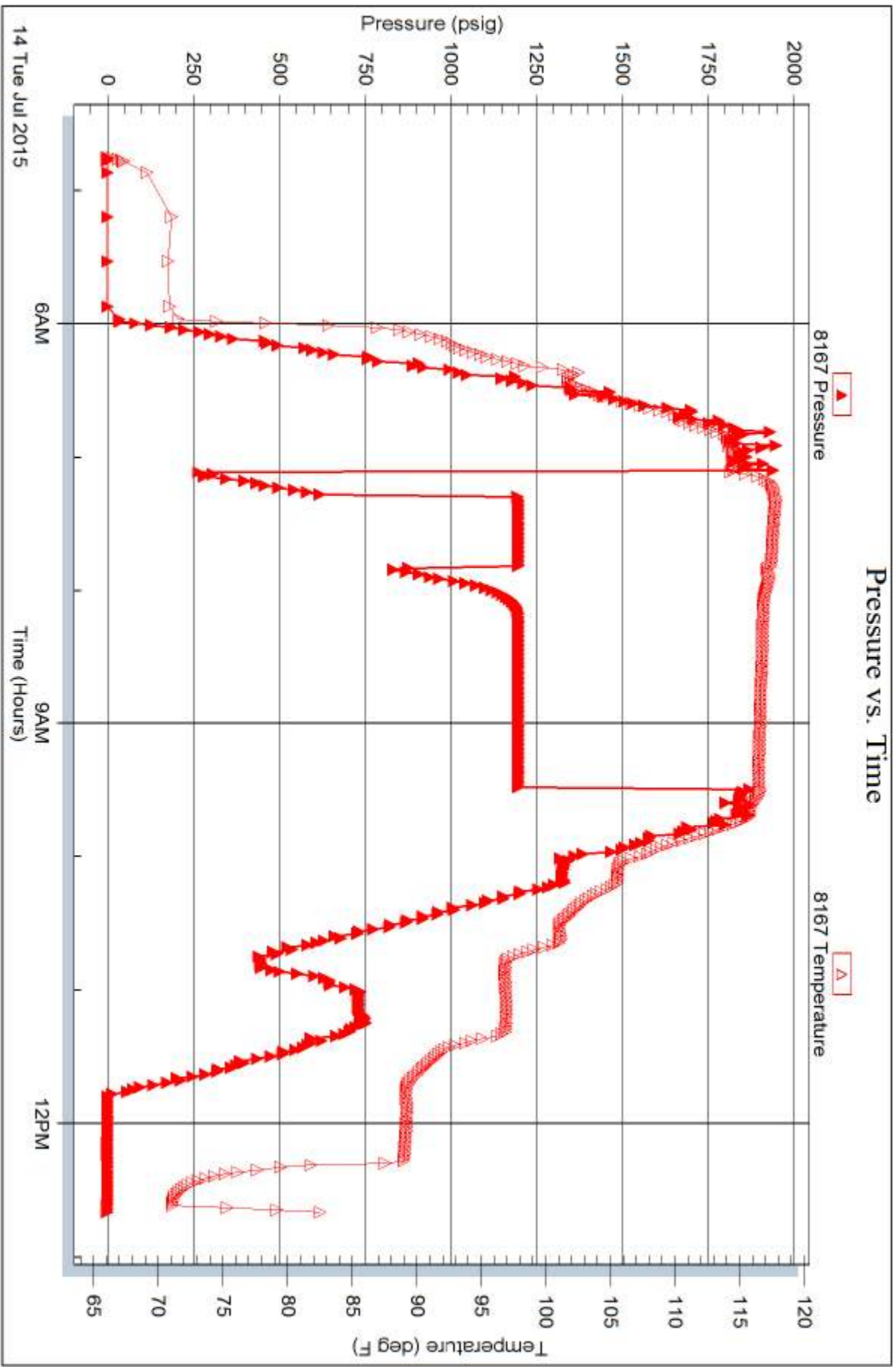
Laboratory Name:

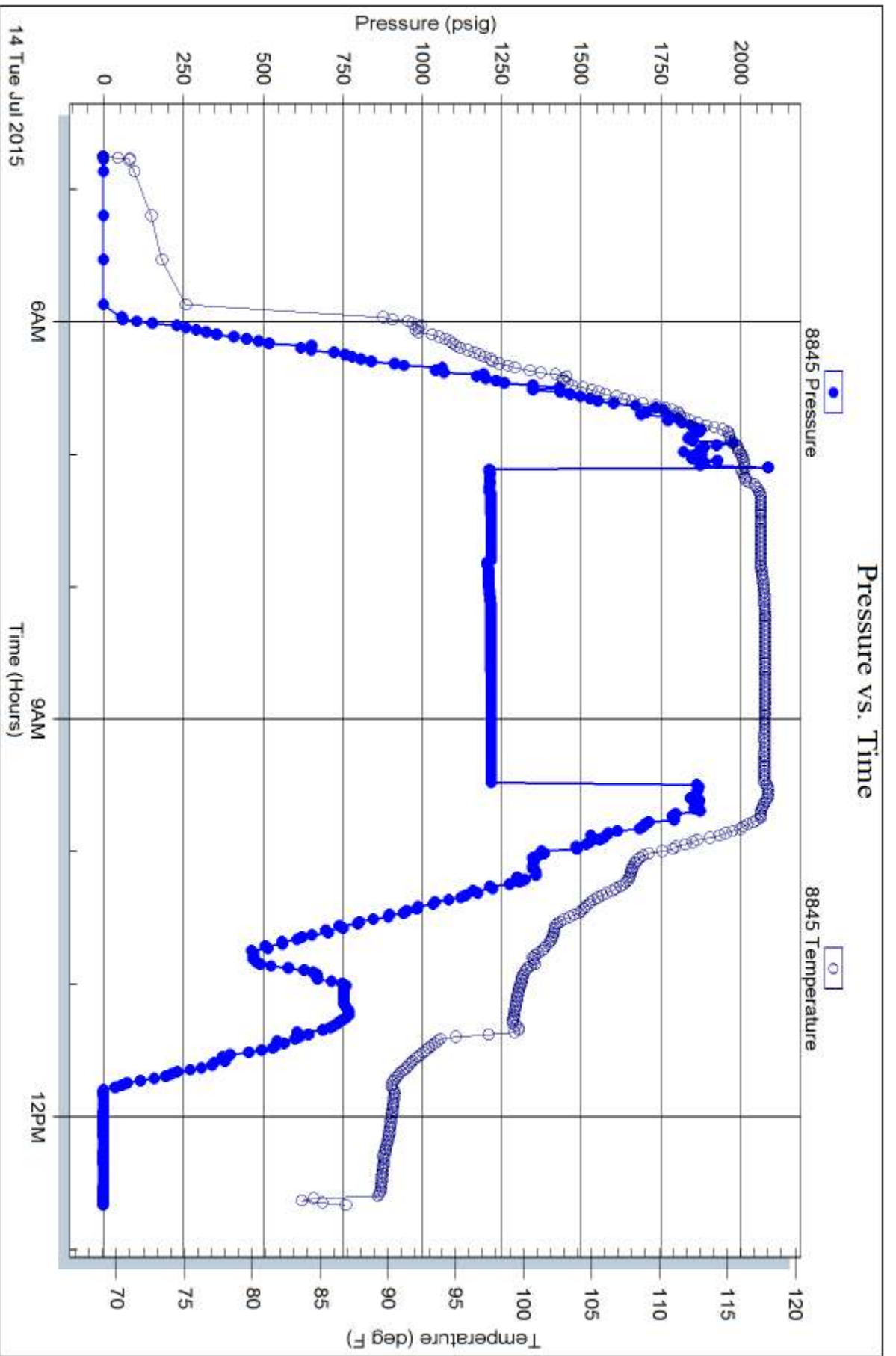
Laboratory Location:

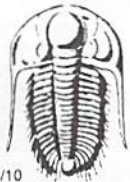
Recovery Comments: Sampler rec. = 600 mL. 1%O 24%M 75%W PSI = 250 rW= 0.35 ohms @ 90 deg

Pressure vs. Time









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53758

Well Name & No. Wann farms 1-1-15-20 Test No. 1 Date 7-11-15
 Company Cynosure Energy h.L.C. Elevation 2060 KB 2052 GL
 Address 1125 17th street Suite 410 Denver Colorado 80202
 Co. Rep / Geo. Justin Carter Rig Duke #2
 Location: Sec. 1 Twp. 15-S Rge. 20 - W Co. Ellis State KS

Interval Tested 3230 - 3315 Zone Tested Topeka
 Anchor Length 85' Drill Pipe Run 3219 Mud Wt. 9.2
 Top Packer Depth 3225 Drill Collars Run Vis 47
 Bottom Packer Depth 3230 Wt. Pipe Run WL 8.0
 Total Depth 3315 Chlorides 6,600 ppm System LCM 1

Blow Description EF-15-1/2" INT. Blow Built to 10 1/2" in 15 min.
ISI-30- No B.B.
EF-60-1/4" INT. Blow Built to B.o.B. in 26 min.
F.S.I-120- No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10'</u>	Feet of <u>S, O, C, M, W</u>	%gas	<u>10</u> %oil	<u>50</u> %water	<u>40</u> %mud
Rec <u>500</u>	Feet of <u>S, O, S, W, C, M</u>	%gas	<u>1</u> %oil	<u>40</u> %water	<u>59</u> %mud
Rec <u>120'</u>	Feet of <u>M, W,</u>	%gas	%oil	<u>95</u> %water	<u>5</u> %mud

Rec Total 630 BHT 109.9° Gravity API RW .09 @ 92.5° F Chlorides 65000 ppm

(A) Initial Hydrostatic 1662 Test 1050 T-On Location 09:15:00
 (B) First Initial Flow 57 Jars 250 T-Started 09:55:00
 (C) First Final Flow 113 Safety Joint 75 T-Open 12:28:00
 (D) Initial Shut-In 1043 Circ Sub T-Pulled 16:13:00
 (E) Second Initial Flow 119 Hourly Standby T-Out 18:26:00
 (F) Second Final Flow 231 Mileage 38 Comments
 (G) Final Shut-In 1035 Sampler 250
 (H) Final Hydrostatic 1601 Straddle 'Thank-You'
 Ruined Shale Packer

Initial Open 15 Shale Packer Ruined Packer
 Initial Shut-In 30 Extra Packer Extra Copies
 Final Flow 60 Extra Recorder Sub Total 0
 Final Shut-In 120 Day Standby Total 1663
 Accessibility MP/DST Disc't
 Sub Total 1663

Approved By Our Representative

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 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 53758 Date 7-11-15
 Company Name Cynosure Energy L.L.C.
 Lease Wank Farms #1-1-15-2D Test No. 1
 County Ellis Sec. 1 Twp. 15-S Rng. 20-W

SAMPLER RECOVERY

Gas _____ ML
 Oil Specs ML
 Mud 50 ML
 Water 200 ML
 Other Chlorides 65,000 ML
 Pressure 200 P.S.I ML
 Total 250 ML

PIT MUD ANALYSIS

Chlorides 6,600 ppm.
 Resistivity 0.00 ohms @ _____ F
 Viscosity 47
 Mud Weight 9.2
 Filtrate 8.0
 Other L.C.M 1LB. ~~0.00~~
 _____ ML

SAMPLER ANALYSIS

Resistivity ~~105~~ ¹⁰⁵ ohms @ ~~91.5~~ ^{91.5} F
 Chlorides 125,000 ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53759

Well Name & No. Wann farms 1-1-15-20 Test No. 2 Date 7-12-15
 Company Cynasure Energy L.L.C. Elevation 2060 KB 2052 GL
 Address 1125 17th Street Suite 410 Denver Colorado 80202
 Co. Rep / Geo. Justin Carter Rig Duke #1
 Location: Sec. 1 Twp. 15 - S. Rge. 20 - W. Co. Ellis State KS.

Interval Tested 3382-3416 Zone Tested E.K.C. C-D
 Anchor Length 34 Drill Pipe Run 3376 Mud Wt. 9.2
 Top Packer Depth 3377 Drill Collars Run --- Vis 47"
 Bottom Packer Depth 3382 Wt. Pipe Run --- WL 8.0
 Total Depth 3416 Chlorides 6,600 ppm System LCM 1

Blow Description IF-10-1/2" INT. Blow Built to B.O.B. in 5 min...
I.S.I-30- No B.B.
F.F-45-1/2" INT. Blow Built to B.O.B. in 7 min...
F.S.I-90- No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>63</u>	Feet of <u>S, D, S, M, W</u>	%gas	%oil <u>1</u>	%water <u>69</u>	%mud <u>30</u>
Rec <u>630</u>	Feet of <u>M, W</u>	%gas	%oil	%water <u>99</u>	%mud <u>1</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 693 BHT 111.2 Gravity --- API RW 0.05 @ 91.5° F Chlorides 125,000 ppm

(A) Initial Hydrostatic 1,646 Test 1050 T-On Location 03:49:00
 (B) First Initial Flow 33 Jars 250 T-Started 04:07:00
 (C) First Final Flow 109 Safety Joint 75 T-Open 06:46:00
 (D) Initial Shut-In 953 Circ Sub _____ T-Pulled 09:41:00
 (E) Second Initial Flow 115 Hourly Standby _____ T-Out 11:45:10
 (F) Second Final Flow 361 Mileage 38 Comments _____
 (G) Final Shut-In 945 Sampler 250 thank-you
 (H) Final Hydrostatic 1,639 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 10 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1663
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1663

Approved By _____ Our Representative Bob Stone
 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 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 53759 Date 7-12-15
 Company Name Cynasure Energy L.L.C.
 Lease Wann farms 1-1-15-20 Test No. 2
 County Ellis Sec. 1 Twp. 15-S. Rng. 20-W.

SAMPLER RECOVERY

Gas _____ ML
 Oil (few oil specs) ML
 Mud 1 ML
 Water 99 ML
 Other _____ ML
 Pressure 150 P.S.I ML
 Total 100 ML

PIT MUD ANALYSIS

Chlorides 6,600 ppm.
 Resistivity — ohms @ — F
 Viscosity 47
 Mud Weight 9.2
 Filtrate 8.0
 Other L.C.M. 1

SAMPLER ANALYSIS

Resistivity .05 ohms @ 91.5° F
 Chlorides 123,000 ppm.
 Gravity — corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53760

Well Name & No. Wann farms 5-1-1-15-20 Test No. 3 Date 07/14/15
 Company CyhoSure Energy L.L.C. Elevation 2060 KB 2052 GL
 Address 1125 17th Street Suite 410 Denver Colorado 80202
 Co. Rep / Geo. Justin Carter Rig Duke #2
 Location: Sec. 1 Twp. 15 - S. Rge. 20 - W Co. Ellis State KS

Interval Tested 3680 - 3715 Zone Tested Cherokee
 Anchor Length 35 Drill Pipe Run 3680 Mud Wt. 9.2
 Top Packer Depth 3680 - 3675 Drill Collars Run — Vis 47
 Bottom Packer Depth 3715 (straddle) Wt. Pipe Run — WL 8.0
 Total Depth 3796 Chlorides 6,800 ppm System LCM 1

Blow Description I.F. - 10 - B.O.B. in 45 sec.
I.S.I. - 30 - NO B.B.
F.F. - 30 - B.O.B. in 30 sec.
F.S.I. - 60 - NO B.B.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>1,134</u>	Feet of <u>H.O.C, M, W</u>	%gas <u>20</u>	%oil <u>60</u>	%water <u>20</u>	%mud
Rec <u>1,638</u>	Feet of <u>S.O.S, M, W</u>	%gas <u>1</u>	%oil <u>75</u>	%water <u>24</u>	%mud
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 2772 BHT 117.2 Gravity — API RW 0.35 @ 90 °F Chlorides 15,500 ppm
 (A) Initial Hydrostatic 1,941 Test 1050 T-On Location 04:00:00
 (B) First Initial Flow 242 Jars 250 T-Started 04:45:00
 (C) First Final Flow 624 Safety Joint 75 T-Open 06:48:00
 (D) Initial Shut-In 1197 Circ Sub 50 T-Pulled 09:58:00
 (E) Second Initial Flow 832 Hourly Standby _____ T-Out 12:40:30
 (F) Second Final Flow 1,064 Mileage 38 Comments (Loaded tool)
 (G) Final Shut-In 1,198 Sampler 250 (Dropped Bar)
 (H) Final Hydrostatic 1,843 Straddle 600 Thank you

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 10 Extra Packer 200
 Initial Shut-In 30 Extra Recorder 100
 Final Flow 30 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 2613 MP/DST Disc't _____

Approved By _____ Our Representative B. H. H.

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 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 53760 Date 7-14-15
 Company Name Cynosure Energy L.L.C.
 Lease Wann Farms 1-1-15-20 Test No. 3
 County Ellis Sec. 1 Twp. 15-S Rng. 20-W

SAMPLER RECOVERY

Gas _____ ML
 Oil 100 ML
 Mud 100 ML
 Water 400 ML
 Other _____ ML
 Pressure 250 PSI
 Total 600 ML

PIT MUD ANALYSIS

Chlorides 6,600 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 47
 Mud Weight 9.2
 Filtrate 8.0
 Other L.C.M. / L.B.

SAMPLER ANALYSIS

Resistivity 0.35 ohms @ 90° F
 Chlorides 15,500 ppm.
 Gravity — corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



473

QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 7/8/2015
 Invoice # 1007
 P.O.#:
 Due Date: 8/7/2015
 Division: Russell

RECEIVED

JUL 14 2015

Invoice

Contact:
 CYNOSURE ENERGY LLC
Address/Job Location:
 CYNOSURE ENERGY LLC
 3 CHURCHILL DRIVE
 CHERRY HILLS VILLAGE, CO 80113

Reference:
 WANN FARMS 1 SEC 1-16-20

Description of Work:
 LONG SURFAC JOB

Well Name: Wann Farms #1-1-15-20
 AFE No: KSPREM 1013
 Well No.: 8200.210
 Name: As of 15 July 2015
 Signature: [Handwritten Signature] 7/23/15

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 710.37	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	14	\$41.13	No
Common-Class A	375	\$ 5,224.55	Yes				
Calcium Chloride	17	\$ 794.15	Yes				
POZ Mix-Standard	95	\$ 558.13	Yes				
8 5/8" Basket	2	\$ 530.43	Yes				
Bulk Truck Matl-Material Service Charge	495	\$ 415.45	No				
8 5/8" Centralizer	3	\$ 161.14	Yes				
Premium Gel (Bentonite)	8	\$ 109.31	Yes				
8 5/8" Top Rubber Plug	1	\$ 88.96	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 75.54	Yes				
Pump Truck Mileage-Job to Nearest Camp	14	\$ 64.63	No				

Invoice Terms:

Net 30

SubTotal: \$ 8,773.78
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (216.92)

SubTotal for Taxable Items:	\$ 7,353.65
SubTotal for Non-Taxable Items:	\$ 1,200.78
Total:	\$ 8,556.86
Tax:	\$ 452.25

6.15% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 9,009.11
Applied Payments:
Balance Due: \$ 9,009.11

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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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. 1007

Date	7-7-15	Sec.	1	Twp.	18	Range	20	County	Ellis	State	KS	On Location		Finish	6:30 PM
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Location *Antonia 5 1/2 W 5 into*

Lease	<i>Wann Farms</i>	Well No.	<i>#1</i>	Owner	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.
Contractor	<i>Duke #2</i>				
Type Job	<i>Surface</i>				
Hole Size	<i>17 1/4</i>	T.D.	<i>1312</i>	Charge To	<i>Cynosure Energy</i>
Csg.	<i>8 5/8</i>	Depth	<i>1310</i>	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.	<i>32.85</i>	Shoe Joint	<i>32.85</i>	Cement Amount Ordered	<i>470 cwt 3 1/2" 2" gel</i>
Meas Line		Displace	<i>81 1/4</i>		

EQUIPMENT

Pumptrk	<i>20</i>	No.		Cementer	<i>Nick</i>	Common	<i>375</i>
Bulktrk	<i>14</i>	No.		Helper		Poz. Mix	<i>95</i>
Bulktrk	<i>Pu</i>	No.		Driver	<i>Lonnie</i>	Gel.	<i>8</i>
				Driver	<i>Brett</i>	Calcium	<i>17</i>

JOB SERVICES & REMARKS

Remarks:	<i>Lead cement @ 13.5</i>	Hulls	
Rat Hole	<i>Follow last 100 SL</i>	Salt	
Mouse Hole	<i>7 14.5 - 14.8</i>	Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
	<i>Ran 1310 at 8 5/8 Est. cit</i>	Sand	
	<i>Mixed 470 sx & Displaced 91 1/4</i>	Handling	<i>495</i>

FLOAT EQUIPMENT

	<i>Cement</i>	Guide Shoe	
	<i>Circulated!!</i>	Centralizer	<i>-3</i>
		Baskets	<i>-2</i>
		AFU Inserts	
		Float Shoe	
		Latch Down	
			<i>1 Baffle plate</i>
		Pumptrk Charge	<i>Long Surface</i>
		Mileage	<i>14</i>

X Signature *Dion Vazquez*

Tax
Discount
Total Charge

1573



QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone: 785-324-1041 fax: 785-483-1087
Email: cementing@ruraltel.net

Date: 7/8/2015
Invoice # 1010

P.O.#:

Due Date: 8/7/2015

Division: Russell

Invoice

RECEIVED

JUL 14 2015

Contact:
CYNOSURE ENERGY LLC
Address/Job Location:
CYNOSURE ENERGY LLC
3 CHURCHILL DRIVE
CHERRY HILLS VILLAGE, CO 80113

Well Name: Wann Farms 1-1-15-20
AFE No.: KS Rem 1013
Line No.: 8200.210
Name: _____
Signature: _____ 15 July 2015
K. Straker 7/23/15

Reference:
WANN FARMS 1 SEC 1-15-20 ✓

Description of Work:
TOP OFF CEMENT

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 702.01	No				
Common-Class A	25	\$ 344.21	Yes				
Pump Truck Mileage-Job to Nearest Camp	14	\$ 63.86	No				
Calcium Chloride	1	\$ 46.17	Yes				
Bulk Truck Matl-Material Service Charge	50	\$ 41.47	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	14	\$ 40.64	No				
Premium Gel (Bentonite)	1	\$ 13.50	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 1,251.86
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (28.90)

SubTotal for Taxable Items: \$ 393.78
SubTotal for Non-Taxable Items: \$ 826.79

6.15% Ellis County Sales Tax

Total: \$ 1,222.96
Tax: \$ 24.22

Thank You For Your Business!

Amount Due: \$ 1,247.18
Applied Payments:
Balance Due: \$ 1,247.18

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.

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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. 1010

Date	7-8-15	Sec.	1	Twp.	18	Range	20	County	Ellis	State	KS	On Location		Finish	5:30 AM
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Location *Antinice 5 1/2 W S int*

Lease	<i>Wann Farms</i>	Well No.	<i>#1</i>	Owner	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.
Contractor	<i>Duke #2</i>				Charge To <i>Cyrus Energy</i>
Type Job	<i>lin</i>				
Hole Size	<i>12 1/4</i>	T.D.	<i>1312</i>	Street	
Csg.		Depth		City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered <i>50 sy 3% cc 2% bel</i>	
Cement Left in Csg.		Shoe Joint		<i>used 25</i>	

EQUIPMENT				Common	<i>25</i>
Pumptrk	<i>20</i>	No.	Cement Helper <i>Nick</i>	Poz. Mix	
Bulktrk	<i>14</i>	No.	Driver <i>David</i>	Gel.	<i>1</i>
Bulktrk	<i>PU</i>	No.	Driver <i>Brett</i>	Calcium	<i>1</i>

JOB SERVICES & REMARKS				Hulls	
Remarks:				Salt	
Rat Hole				Flowseal	
Mouse Hole				Kol-Seal	
Centralizers				Mud CLR 48	
Baskets				CFL-117 or CD110 CAF 38	
D/V or Port Collar				Sand	

Mix 50 sy to fill wash out 30ft down

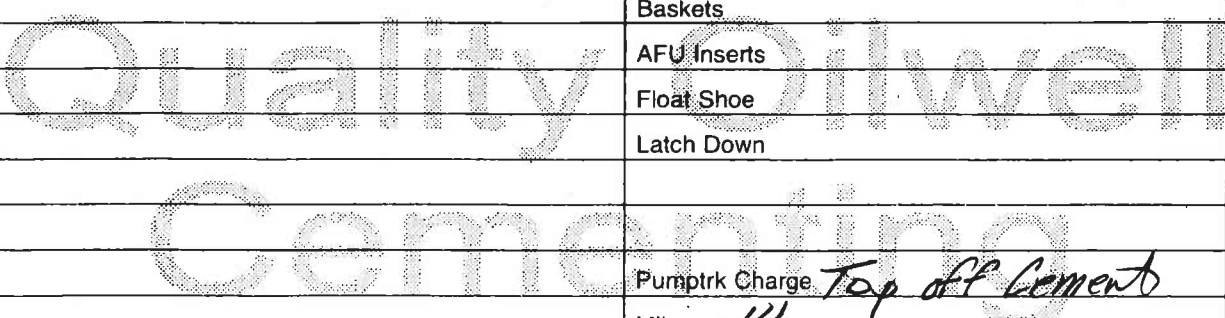
Handling	<i>50</i>
Mileage	

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	<i>Top off Cement</i>
Mileage	<i>14</i>

Tax	
Discount	
Total Charge	

X Signature *Paul Lanning*





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 7/15/2015
 Invoice # 1843
 P.O.#:
 Due Date: 8/14/2015
 Division: Russell

Invoice

RECEIVED

JUL 17 2015

Contact:
 CYNOSURE ENERGY LLC
Address/Job Location:
 CYNOSURE ENERGY LLC
 3 CHURCHILL DRIVE
 CHERRY HILLS VILLAGE, CO 80113

Well Name: WANN FARMS #1-1-15-20
KS RCM 1013
 Line No. 8300.210

Reference:
 WANN FARMS #1 SEC 1-15-20

Signature: [Handwritten Signature] 7/23/15

Description of Work:
 PROD STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 644.02	No				
Common-Class A	195	\$ 2,852.61	Yes				
Mud Clear	500	\$ 326.06	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 269.66	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 197.40	Yes				
Salt (Fine)	16	\$ 196.84	Yes				
Bulk Truck Matl-Material Service Charge	211	\$ 185.94	No				
5 1/2" Turbolizer	3	\$ 153.34	Yes				
Pump Truck Mileage-Job to Nearest Camp	14	\$ 67.86	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	14	\$ 43.18	No				

Invoice Terms:

Net 30

SubTotal: \$ 4,936.90
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (123.42)

SubTotal for Taxable Items:	\$ 3,896.01
SubTotal for Non-Taxable Items:	\$ 917.47
Total:	\$ 4,813.48
Tax:	\$ 239.60

6.15% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,053.08
Applied Payments:
Balance Due: \$ 5,053.08

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.

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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. 1843
7-15-15

Date	7-14-15	Sec.	1	Twp.	15	Range	20	County	Ellis	State	Ks	On Location		Finish	2:45 AM
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Lease Wann Farms Well No. #1-1-15-20 Location Antonino, Ks - 7W 5/16th

Contractor Duke 2 Owner To Quality Oilwell Cementing, Inc.

Type Job production 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 7 7/8" T.D. 3800' Charge To Cynosure Energy, LLC.

Csg. 5 1/2" Depth 3790.98' 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. 42.92' Shoe Joint 42.92' Cement Amount Ordered 195 com 10% Salt

Meas Line Displace 89 BIS 500 gal mud Clear 48

EQUIPMENT

Pumptrk 20 No. Cementer Nick Common 195

Bulktrk 3 No. Driver Chad Poz. Mix

Driver Rick Gel.

Driver Rick Calcium

JOB SERVICES & REMARKS

Remarks: Hulls

Rat Hole Salt 16

Mouse Hole Flowseal

Centralizers 1-3-4 Kol-Seal

Baskets pipe on bottom break circulation Mud CLR 48 500 gal

D/V or Port Collar pump 500 gal mud Clear 48 CFL-117 or CD110 CAF 38

plug bathhole w/ 30% plug mouse hole Sand

w/ 15% Hook to 5 1/2" casing + Handling 211

mix 150% Cement. Shut down Mileage

wash pump + lines Released

plug + Displaced w/ 89 BIS of H2O

Released + held

Lift pressure 700 #

Land plug to 1500 #

FLOAT EQUIPMENT

Guide Shoe

Centralizer 3

Baskets

AFU Inserts

Float Shoe 1

Latch Down 1

Pumptrk Charge prod string

Mileage 14

Signature Ferry W. Pieskes Tax

Discount

Total Charge