



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1211521
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: _____

1211521

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	GRIEBEL 9-1
Doc ID	1211521

All Electric Logs Run

CNL/CDL
DIL
MEL
CBL

Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	GRIEBEL 9-1
Doc ID	1211521

Tops

Name	Top	Datum
ANHYDRITE	1472	493
TOPEKA	2916	-951
HEEBNER	3118	-1153
TORONTO	3142	-1177
LANSING	3161	-1196
BKC	3371	-1406
ARBUCKLE	3416	-1451
ARBUCKLE POROSITY	3452	-1487



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. Ste 1500
Denver CO 80202

ATTN: Jim Hall

Griebel #9-1

9-7s-19w Rooks,KS

Start Date: 2014.05.12 @ 22:50:00

End Date: 2014.05.13 @ 05:00:00

Job Ticket #: 55075 DST #: 1

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

Printed: 2014.05.16 @ 11:35:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55075

DST#: 1

ATTN: Jim Hall

Test Start: 2014.05.12 @ 22:50:00

GENERAL INFORMATION:

Formation: **Topeka-LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:30

Time Test Ended: 05:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3090.00 ft (KB) To 3170.00 ft (KB) (TVD)

Reference Elevations: 1965.00 ft (KB)

Total Depth: 3170.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8673 Outside

Press@RunDepth: 280.31 psig @ 3091.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.12

End Date:

2014.05.13

Last Calib.:

2014.05.13

Start Time: 22:50:01

End Time:

05:00:00

Time On Btm:

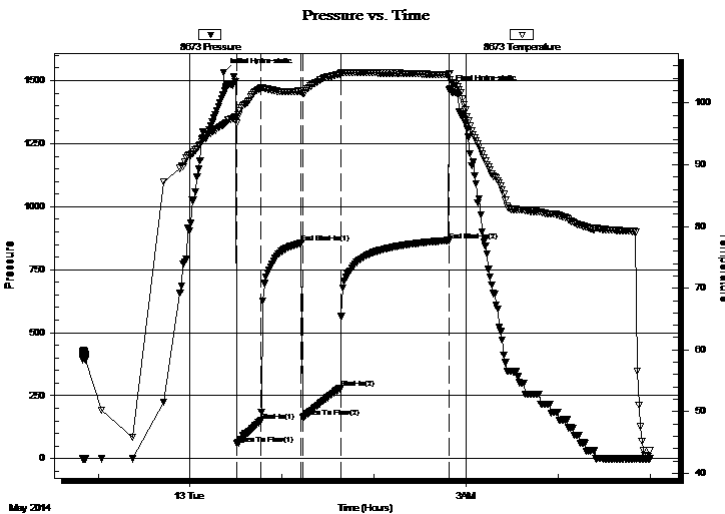
2014.05.13 @ 00:22:00

Time Off Btm:

2014.05.13 @ 02:49:00

TEST COMMENT: IF: Strong blow , Built to B.O.B in 2 mins.
IS: No blow back
FF: Strong blow , Built to B.O.B in 1 min.
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.59	96.54	Initial Hydro-static
9	58.91	96.76	Open To Flow (1)
24	150.02	102.38	Shut-In(1)
51	855.35	101.94	End Shut-In(1)
52	164.04	101.55	Open To Flow (2)
76	280.31	104.68	Shut-In(2)
147	866.20	104.56	End Shut-In(2)
147	1464.27	104.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	gocm-40%g20%o40%m	1.50
184.00	gmco-30%g25%m45%o	2.58
509.00	go-30%g70%o	7.14
0.00	630 ft. gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55075

DST#: 1

ATTN: Jim Hall

Test Start: 2014.05.12 @ 22:50:00

Tool Information

Drill Pipe:	Length: 3058.00 ft	Diameter: 3.80 inches	Volume: 42.90 bbl	Tool Weight: 2400.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 43.04 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3090.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 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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Shut In Tool	5.00			3067.00	
Hydraulic tool	5.00			3072.00	
Jars	5.00			3077.00	
Safety Joint	3.00			3080.00	
Packer	5.00			3085.00	28.00 Bottom Of Top Packer
Packer	5.00			3090.00	
Stubb	1.00			3091.00	
Recorder	0.00	8960	Inside	3091.00	
Recorder	0.00	8673	Outside	3091.00	
Perforations	10.00			3101.00	
change Over Sub	1.00			3102.00	
Drill Pipe	64.00			3166.00	
Change Over Sub	1.00			3167.00	
Bullnose	3.00			3170.00	80.00 Bottom Packers & Anchor

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55075

DST#: 1

ATTN: Jim Hall

Test Start: 2014.05.12 @ 22:50:00

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	gocm-40%g20%o40%m	1.503
184.00	gmco-30%g25%m45%o	2.581
509.00	go-30%g70%o	7.140
0.00	630 ft. gas in pipe	0.000

Total Length: 819.00 ft

Total Volume: 11.224 bbl

Num Fluid Samples: 0

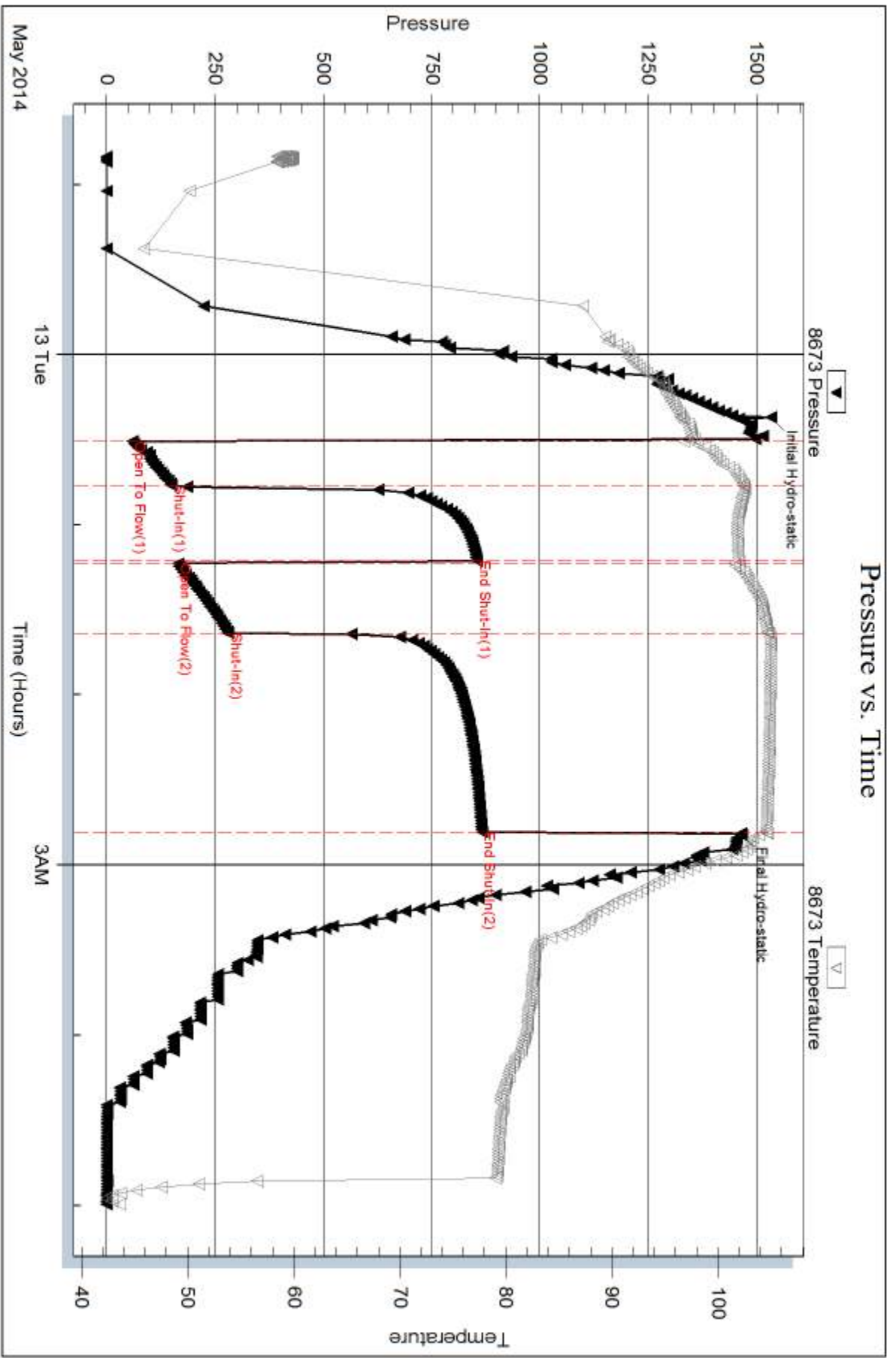
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



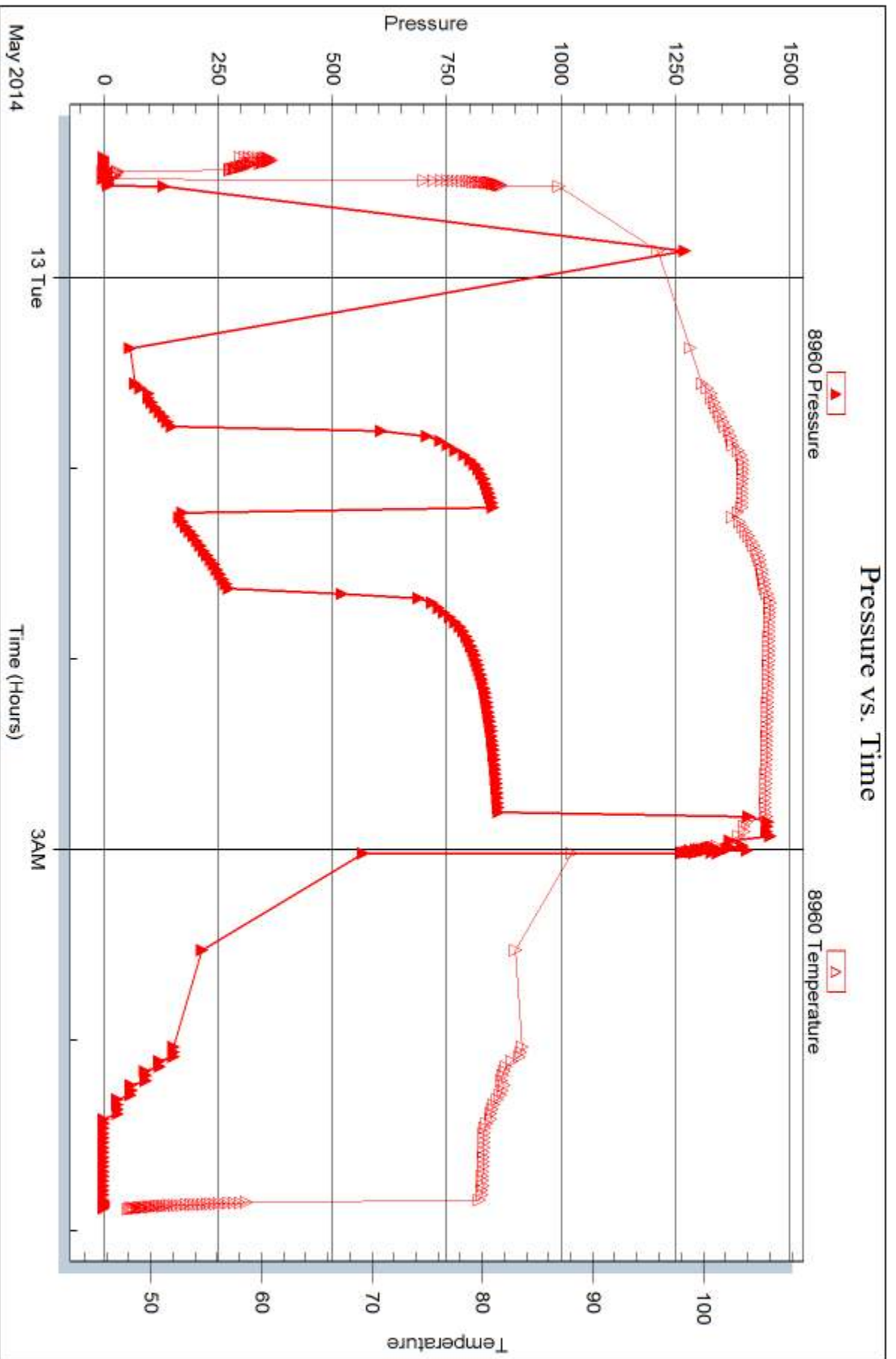
Serial #: 8960

Inside

Coral Production Corp.

Griebe#9-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55075

Printed: 2014.05.16 @ 11:35:24



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. Ste 1500
Denver CO 80202

ATTN: Jim Hall

Griebel #9-1

9-7s-19w Rooks,KS

Start Date: 2014.05.13 @ 14:30:00

End Date: 2014.05.13 @ 19:57:00

Job Ticket #: 58176 DST #: 2

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

Printed: 2014.05.16 @ 11:34:59



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 58176

DST#: 2

ATTN: Jim Hall

Test Start: 2014.05.13 @ 14:30:00

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:30

Time Test Ended: 19:57:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3185.00 ft (KB) To 3242.00 ft (KB) (TVD)

Reference Elevations: 1965.00 ft (KB)

Total Depth: 3242.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8960

Inside

Press@RunDepth: 38.41 psig @ 3186.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.13

End Date:

2014.05.13

Last Calib.: 2014.05.13

Start Time: 14:30:01

End Time:

19:57:00

Time On Btm: 2014.05.13 @ 15:47:30

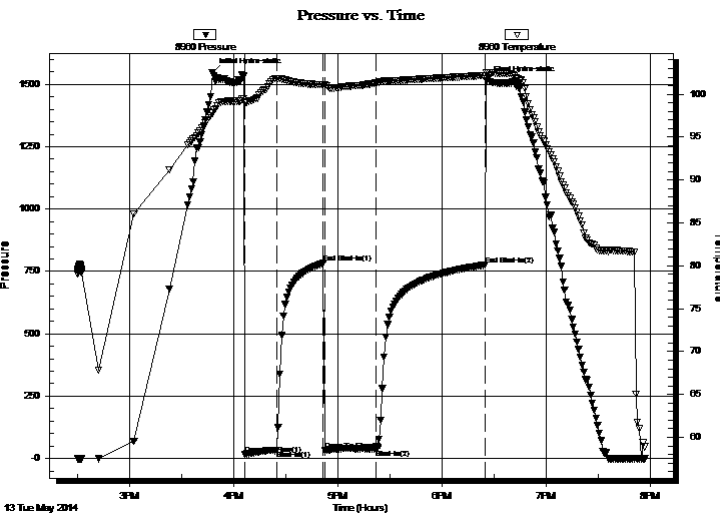
Time Off Btm: 2014.05.13 @ 18:25:30

TEST COMMENT: IF: Weak blow 1/2" died to surface

IS: No blo back

FF: Weak blow surface

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.26	97.80	Initial Hydro-static
19	16.67	98.97	Open To Flow (1)
37	33.59	101.81	Shut-In(1)
64	783.14	101.14	End Shut-In(1)
65	32.45	101.07	Open To Flow (2)
95	38.41	101.32	Shut-In(2)
157	775.46	102.19	End Shut-In(2)
158	1516.02	102.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	mud w ith oil specs	0.23

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 58176

DST#: 2

ATTN: Jim Hall

Test Start: 2014.05.13 @ 14:30:00

Tool Information

Drill Pipe:	Length: 3148.00 ft	Diameter: 3.80 inches	Volume: 44.16 bbl	Tool Weight: 2400.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.30 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3185.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 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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Shut In Tool	5.00			3162.00	
Hydraulic tool	5.00			3167.00	
Jars	5.00			3172.00	
Safety Joint	3.00			3175.00	
Packer	5.00			3180.00	28.00 Bottom Of Top Packer
Packer	5.00			3185.00	
Stubb	1.00			3186.00	
Recorder	0.00	8960	Inside	3186.00	
Recorder	0.00	8673	Outside	3186.00	
Perforations	19.00			3205.00	
change Over Sub	1.00			3206.00	
Drill Pipe	32.00			3238.00	
Change Over Sub	1.00			3239.00	
Bullnose	3.00			3242.00	57.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 58176

DST#: 2

ATTN: Jim Hall

Test Start: 2014.05.13 @ 14:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	mud w ith oil specs	0.227

Total Length: 35.00 ft Total Volume: 0.227 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

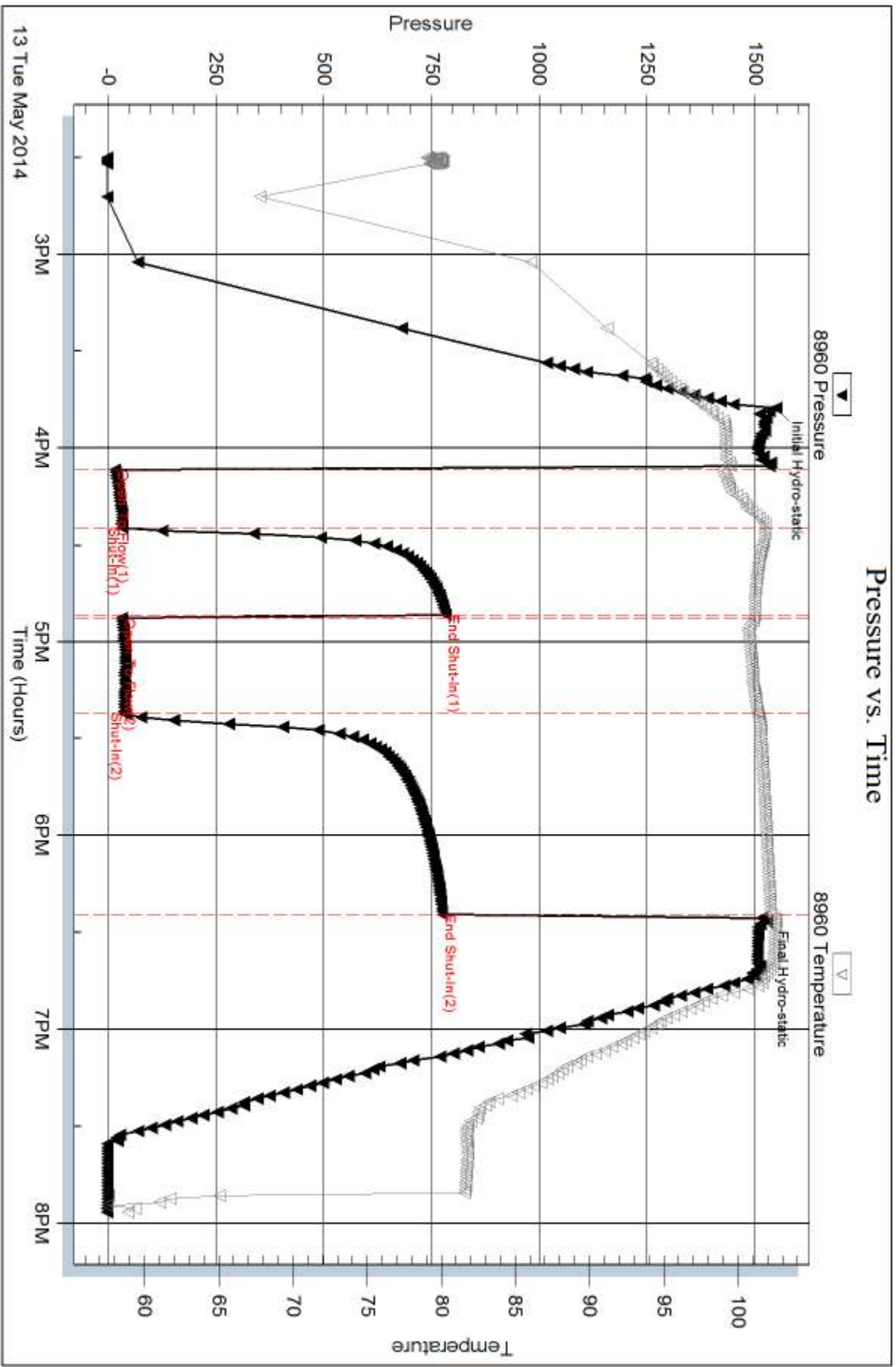
Serial #: 8960

Inside

Coral Production Corp.

GriebeI #9-1

DST Test Number: 2



13 Tue May 2014

Triobite Testing, Inc

Ref. No: 58176

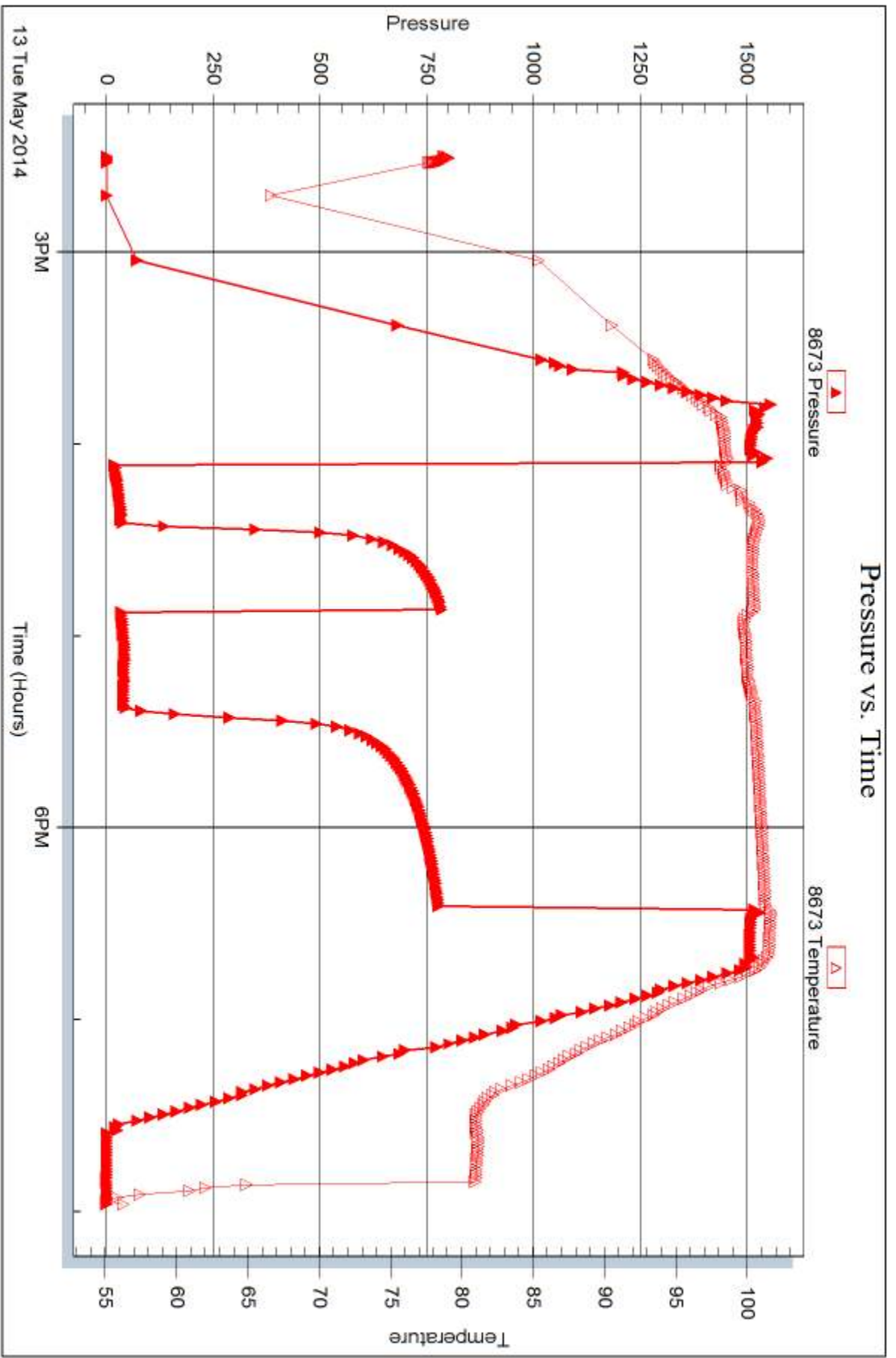
Printed: 2014.05.16 @ 11:35:00

Serial #: 8673

Outside Coral Production Corp.

GriebeI #9-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 58176

Printed: 2014.05.16 @ 11:35:00



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. Ste 1500
Denver CO 80202

ATTN: Jim Hall

Griebel #9-1

9-7s-19w Rooks,KS

Start Date: 2014.05.14 @ 02:35:35

End Date: 2014.05.14 @ 09:09:29

Job Ticket #: 55344 DST #: 3

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

Printed: 2014.05.16 @ 11:34:39



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55344

DST#: 3

ATTN: Jim Hall

Test Start: 2014.05.14 @ 02:35:35

GENERAL INFORMATION:

Formation: **LKC F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:39:30

Time Test Ended: 09:09:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3240.00 ft (KB) To 3252.00 ft (KB) (TVD)

Reference Elevations: 1965.00 ft (KB)

Total Depth: 3252.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press@RunDepth: 93.32 psig @ 3246.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.14

End Date:

2014.05.14

Last Calib.: 2014.05.14

Start Time: 02:35:35

End Time:

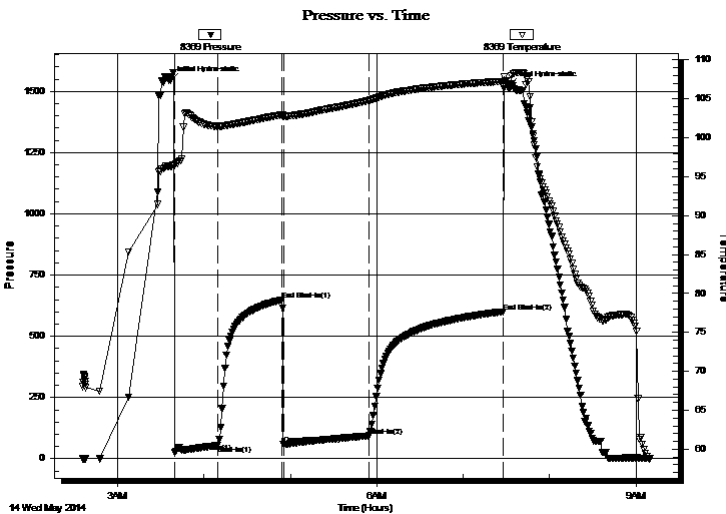
09:09:29

Time On Btm: 2014.05.14 @ 03:36:30

Time Off Btm: 2014.05.14 @ 07:31:59

TEST COMMENT: 30-IFP-w k bl thru-out 1/2" to 3" bl
45-ISIP-no bl
60-FFP-w k to a fr bl 1/2" to 3 3/4" bl
90-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.96	96.34	Initial Hydro-static
3	24.95	96.42	Open To Flow (1)
33	53.90	101.46	Shut-In(1)
78	649.04	102.98	End Shut-In(1)
79	58.52	102.80	Open To Flow (2)
138	93.32	104.78	Shut-In(2)
231	600.57	107.27	End Shut-In(2)
236	1524.43	106.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	150'GIP	0.00
62.00	SOCM 2%O5%M93%W	0.61
62.00	SOCM 5%O20%M75%W	0.87
30.00	CO	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55344

DST#: 3

ATTN: Jim Hall

Test Start: 2014.05.14 @ 02:35:35

Tool Information

Drill Pipe:	Length: 3213.00 ft	Diameter: 3.80 inches	Volume: 45.07 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3240.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Jars	5.00			3227.00	
Safety Joint	3.00			3230.00	
Packer	5.00			3235.00	28.00 Bottom Of Top Packer
Packer	5.00			3240.00	
Stubb	1.00			3241.00	
Perforations	5.00			3246.00	
Recorder	0.00	8369	Inside	3246.00	
Recorder	0.00	8700	Outside	3246.00	
Perforations	3.00			3249.00	
Bullnose	3.00			3252.00	12.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55344

DST#: 3

ATTN: Jim Hall

Test Start: 2014.05.14 @ 02:35:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

74000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	150'GIP	0.000
62.00	SOCM 2% O5% M93% W	0.606
62.00	SOCM 5% O20% M75% W	0.870
30.00	CO	0.421

Total Length: 154.00 ft Total Volume: 1.897 bbl

Num Fluid Samples: 0

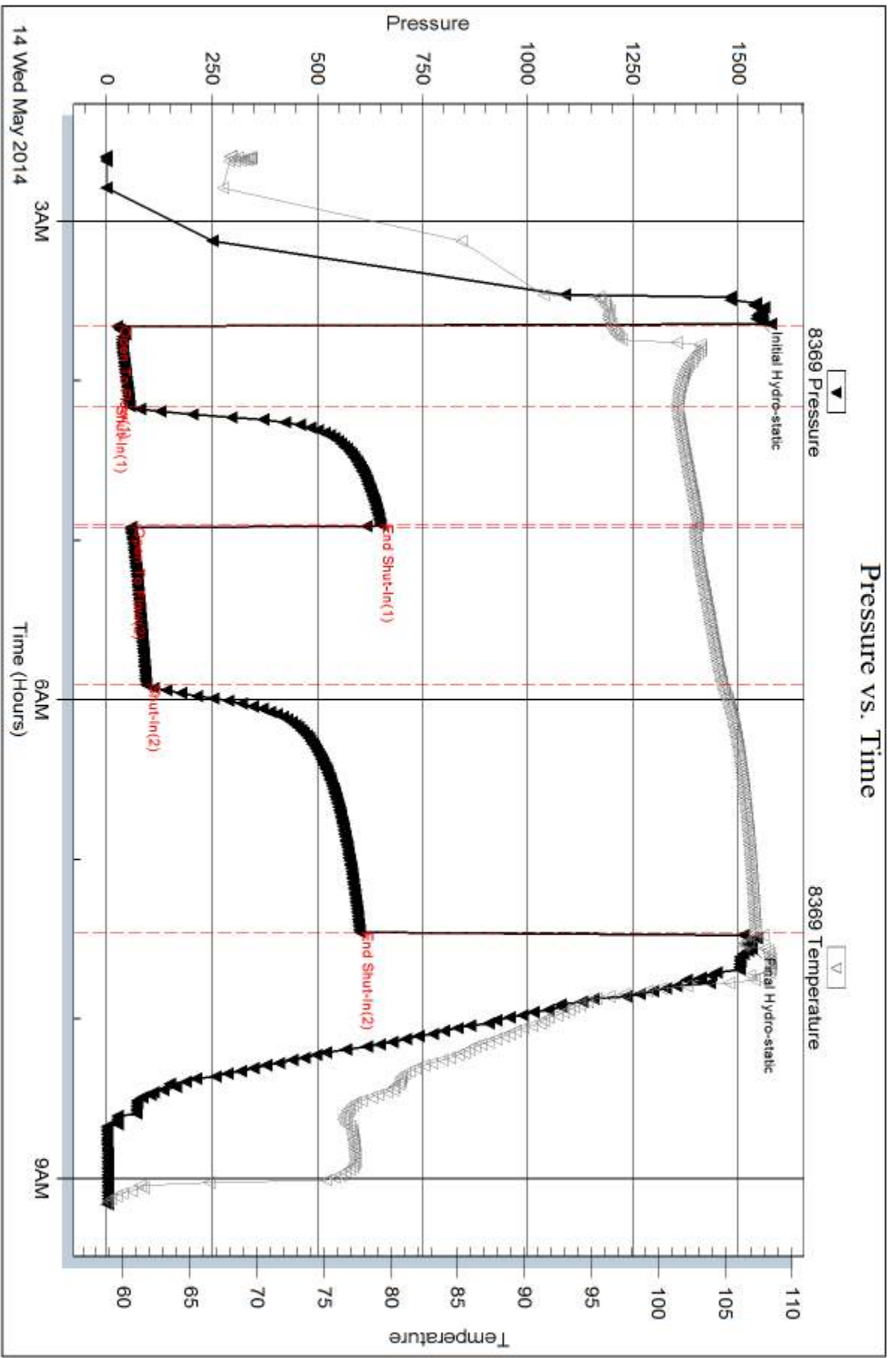
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11 @ 65F

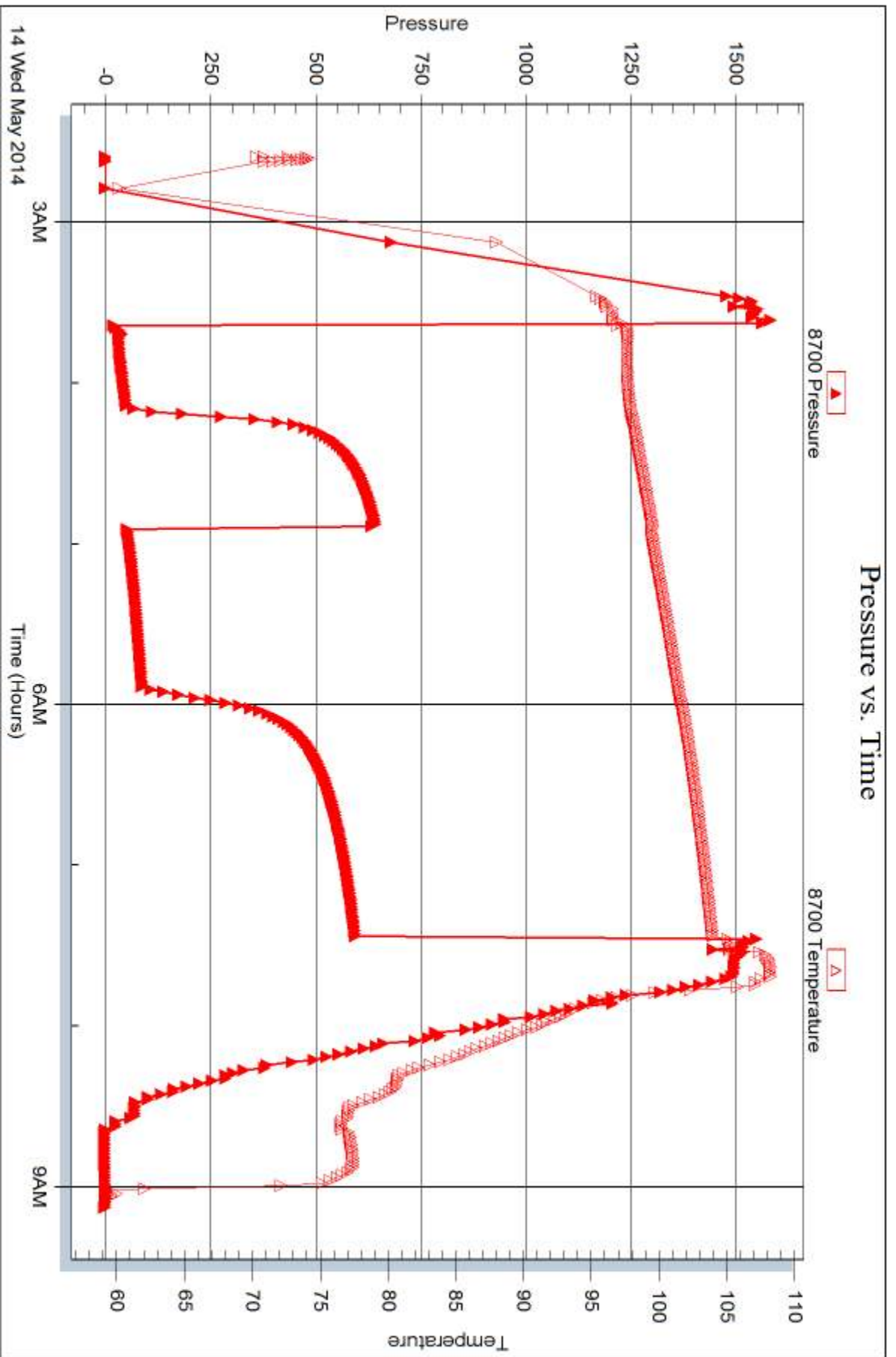


Serial #: 8700

Outside Coral Production Corp.

Griebel #9-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 55344

Printed: 2014.05.16 @ 11:34:40



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. Ste 1500
Denver CO 80202

ATTN: Jim Hall

Griebel #9-1

9-7s-19w Rooks,KS

Start Date: 2014.05.14 @ 22:45:32

End Date: 2014.05.15 @ 03:34:26

Job Ticket #: 55345 DST #: 4

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

Printed: 2014.05.16 @ 11:33:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55345

DST#: 4

ATTN: Jim Hall

Test Start: 2014.05.14 @ 22:45:32

GENERAL INFORMATION:

Formation: **LKC H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:57

Time Test Ended: 03:34:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3278.00 ft (KB) To 3364.00 ft (KB) (TVD)

Reference Elevations: 1965.00 ft (KB)

Total Depth: 3364.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press@RunDepth: 24.03 psig @ 3280.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.14

End Date:

2014.05.15

Last Calib.: 2014.05.15

Start Time: 22:45:32

End Time:

03:34:26

Time On Btm: 2014.05.15 @ 00:01:57

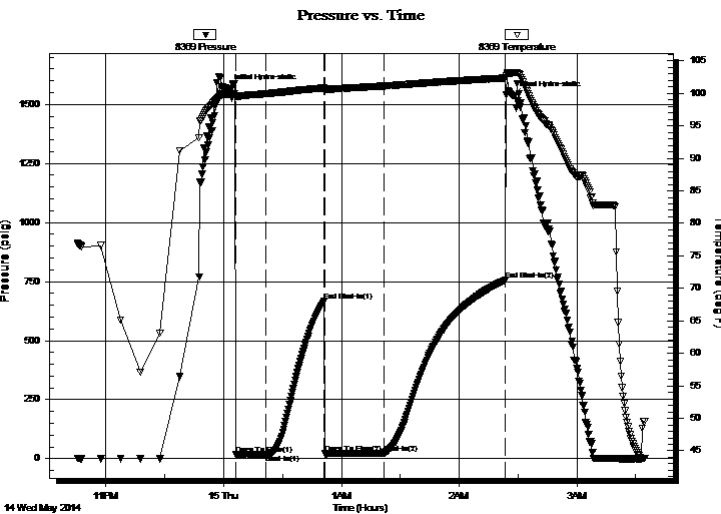
Time Off Btm: 2014.05.15 @ 02:27:27

TEST COMMENT: 15-IFP-surface bl thru-out

30-ISIP-no bl

30-FFP-no bl

60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1566.16	99.81	Initial Hydro-static
4	18.00	99.45	Open To Flow (1)
20	20.33	99.94	Shut-In(1)
49	666.03	100.83	End Shut-In(1)
50	21.30	100.66	Open To Flow (2)
80	24.03	101.12	Shut-In(2)
142	755.30	102.35	End Shut-In(2)
146	1537.88	103.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55345

DST#: 4

ATTN: Jim Hall

Test Start: 2014.05.14 @ 22:45:32

Tool Information

Drill Pipe:	Length: 3246.00 ft	Diameter: 3.80 inches	Volume: 45.53 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 45.67 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3278.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	86.00 ft				
Tool Length:	114.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			3255.00	
Hydraulic tool	5.00			3260.00	
Jars	5.00			3265.00	
Safety Joint	3.00			3268.00	
Packer	5.00			3273.00	28.00 Bottom Of Top Packer
Packer	5.00			3278.00	
Stubb	1.00			3279.00	
Perforations	1.00			3280.00	
Recorder	0.00	8369	Inside	3280.00	
Recorder	0.00	8700	Outside	3280.00	
Drill Pipe	64.00			3344.00	
Perforations	17.00			3361.00	
Bullnose	3.00			3364.00	86.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

9-7s-19w Rooks,KS

1600 Stout St. Ste 1500
Denver CO 80202

Griebel #9-1

Job Ticket: 55345

DST#: 4

ATTN: Jim Hall

Test Start: 2014.05.14 @ 22:45:32

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

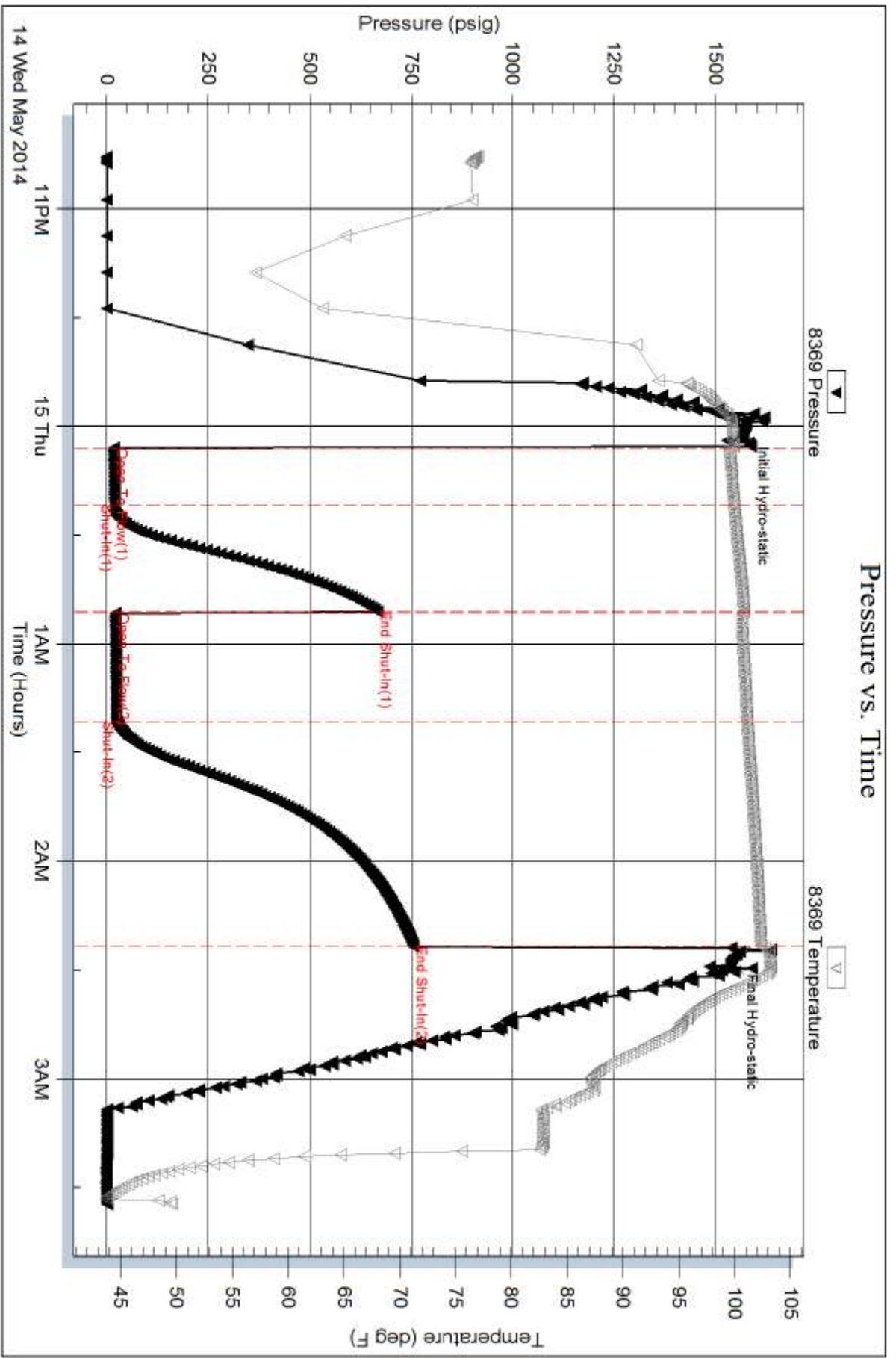
Serial #: 8369

Inside

Coral Production Corp.

Griebe#9-1

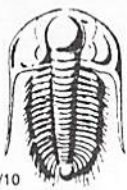
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 55345

Printed: 2014.05.16 @ 11:33:01



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55075**

Well Name & No. Griebel # 9-1 Test No. 1 Date 5-12-19
 Company Coral Prod. Corp. Elevation 1965 KB 1957 GL
 Address 1600 Stout St. Ste. 1500 Denver Co. 80202
 Co. Rep / Geo. _____ Rig DISE #1
 Location: Sec. 9 Twp. 7S Rge. 19W Co. Rooks State Ks

Interval Tested 3090 3170 Zone Tested Topeka-LKC-A
 Anchor Length _____ 80 Drill Pipe Run 3058 Mud Wt. 8.9
 Top Packer Depth _____ 3085 Drill Collars Run 29 Vis 70
 Bottom Packer Depth _____ 3090 Wt. Pipe Run -0- WL 7.2
 Total Depth _____ 3170 Chlorides 500 ppm System LCM 2H

Blow Description IF: Strong blow, built to B.O. B in 2 hrs.
IS: No blow back
FF: strong blow built to B.O. B in 10 mins
FS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>630 ft gas in pipe</u>				
<u>509</u>	<u>go</u>	<u>30%</u>	<u>70%</u>		
<u>184</u>	<u>gmc</u>	<u>30%</u>	<u>45%</u>		<u>25%</u>
<u>126</u>	<u>gocm</u>	<u>40%</u>	<u>20%</u>		<u>80%</u>
_____	_____	_____	_____	_____	_____

Rec Total 819 BHT 105 Gravity 29 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1533 Test 1150 T-On Location 21:30
 (B) First Initial Flow 59 Jars 250 T-Started 22:50
 (C) First Final Flow 150 Safety Joint 75 T-Open 30
 (D) Initial Shut-In 855 Circ Sub _____ T-Pulled 2:45
 (E) Second Initial Flow 164 Hourly Standby _____ T-Out 5:00
 (F) Second Final Flow 280 Mileage 95 x 2 = 190 x 1.55 = Comments _____
 (G) Final Shut-In 866 Sampler _____
 (H) Final Hydrostatic 1464 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open _____ 15
 Initial Shut-In _____ 30
 Final Flow _____ 30
 Final Shut-In _____ 60

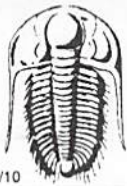
Sub Total _____

MP/DST Disc't _____

Approved By _____ Our Representative Chuck Kutz

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785-259-3188



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58176

4/10

Well Name & No. Griebel # 9-1 Test No. 2 Date 5-13-74
 Company Coral Prod. Corp. Elevation 1965 KB 1967 GL
 Address 1600 Stout St. Ste. 1500 Denver Co. 80202
 Co. Rep / Geo. _____ Rig D300#1
 Location: Sec. 9 Twp. 7S Rge. 19W Co. Rooks State KS

Interval Tested 3185 3240 Zone Tested LKC
 Anchor Length _____ 57 Drill Pipe Run 3148 Mud Wt. 8.9
 Top Packer Depth _____ 3180 Drill Collars Run 29 Vis 70
 Bottom Packer Depth _____ 3185 Wt. Pipe Run -0- WL 7.2
 Total Depth _____ 3240 Chlorides 500 ppm System LCM 2#

Blow Description IF: Weak blow 1/2 in died to surface over 30 mins.

ISZ: No blow back

FF: Weak blow surface

FSS: No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>mud with oil specks</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 35 BHT 104 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic _____ <u>1548</u>	<input checked="" type="checkbox"/> Test _____ <u>1150</u>	T-On Location _____ <u>19:00</u>
(B) First Initial Flow _____ <u>17</u>	<input checked="" type="checkbox"/> Jars _____ <u>250</u>	T-Started _____ <u>19:30</u>
(C) First Final Flow _____ <u>34</u>	<input checked="" type="checkbox"/> Safety Joint _____ <u>75</u>	T-Open _____ <u>16:06</u>
(D) Initial Shut-In _____ <u>783</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>18:45</u>
(E) Second Initial Flow _____ <u>32</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>19:57</u>
(F) Second Final Flow _____ <u>38</u>	<input checked="" type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In _____ <u>775</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic _____ <u>1576</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open _____ <u>15</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In _____ <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Flow _____ <u>30</u>	<input type="checkbox"/> Day Standby _____	Total _____
Final Shut-In _____ <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By _____

Our Representative Chuck [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. 55344

Well Name & No. GRIEBEL #9-1 Test No. 3 Date 5-14-14
 Company CORAL Prod Elevation 1965 KB 1957 GL
 Address 1600 STOUT ST. STE 1500 DENVER, CO 80202
 Co. Rep / Geo. Rick Hall Rig Discovery rig 1
 Location: Sec. 9 Twp. 7^s Rge. 19^w Co. Rooks State Ks

Interval Tested 3240-3252 Zone Tested LKC F
 Anchor Length 12 Drill Pipe Run 3213 Mud Wt. 8.9
 Top Packer Depth 3235 Drill Collars Run 30 Vis 70
 Bottom Packer Depth 3240 Wt. Pipe Run - WL 7.2
 Total Depth 3252 Chlorides 500 ppm System LCM -

Blow Description IFP - WEAK Blow thru-out 1/2" To 3" Blow
ISIP - NO BLOW
FFP - WEAK TO A FAIR BLOW 1/2" To 3 3/4" Blow
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>GIP</u>				
<u>30</u>	<u>CO</u>				
<u>62</u>	<u>50+GM</u>		<u>5</u>	<u>75</u>	<u>20</u>
<u>62</u>	<u>50 CM</u>		<u>2</u>	<u>93</u>	<u>5</u>

Rec Total 154 BHT 107 Gravity 32 API RW .11 @ 65 °F Chlorides 74000 ppm

(A) Initial Hydrostatic 1542 Test 1150 T-On Location 0200
 (B) First Initial Flow 24 Jars 250 T-Started 0235
 (C) First Final Flow 53 Safety Joint 75 T-Open 0335
 (D) Initial Shut-In 649 Circ Sub _____ T-Pulled 0720
 (E) Second Initial Flow 58 Hourly Standby _____ T-Out 0909
 (F) Second Final Flow 93 Mileage 110 RT 170.50
 (G) Final Shut-In 600 Sampler _____
 (H) Final Hydrostatic 1524 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1645.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1645.50

Approved By Rick Hall Our Representative Ray Schwager Thank you

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55345

Well Name & No. Griebel #9-1 Test No. 4 Date 5-14-14
 Company CORAL PROD Elevation 1965 KB 1957 GL
 Address 1600 STOUT ST. STE. 1500 DENVER, CO 80202
 Co. Rep / Geo. Rick Hall Rig DISCOVER RIG 1
 Location: Sec. 9 Twp. 7^s Rge. 19^w Co. ROOKS State K

Interval Tested 3278-3364 Zone Tested LKC H-K
 Anchor Length 86 Drill Pipe Run 3246 Mud Wt. 9.1
 Top Packer Depth 3273 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 3278 Wt. Pipe Run 33 WL 8
 Total Depth 3364 Chlorides 750 ppm System LCM 2#

Blow Description TFP - surface Blow thru-out
TSTP - NO Blow
FFP - NO Blow
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				

Rec Total 5 BHT 102 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1566 Test 1150 T-On Location 2210
 (B) First Initial Flow 18 Jars 250 T-Started 2245
 (C) First Final Flow 20 Safety Joint 75 T-Open 0005
 (D) Initial Shut-In 666 Circ Sub T-Pulled 0220
 (E) Second Initial Flow 21 Hourly Standby T-Out 0334
 (F) Second Final Flow 24 Mileage 341 Comments Loaded Tool 5-15-14
 (G) Final Shut-In 755 Sampler 1400
 (H) Final Hydrostatic 1537 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 15 Day Standby Sub Total 0
 Initial Shut-In 30 Accessibility Total 1816
 Final Flow 30 Sub Total 1816 MP/DST Disc't
 Final Shut-In 60

Approved By [Signature] Our Representative RAY SCHWAGER Thank you

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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR CORAL PRODUCTION CORP.
 LEASE GRIEBEL WELL NO. 9-1
 FIELD SE-SW-NE-SW
 LOCATION 1,420' FSL & 1,855' FWL
 SEC. 9 TWP. 7S RGE. 19W
 COUNTY ROOKS STATE KS

CONTRACTOR DISCOVERY DRILLING - RIG #1
 COMM: 5/9/14 COMP: 5/16/2014
 RTD: 3415' LOG TO: 3475'
 SAMPLES SAVED FROM 2900' TO 3475'
 DRILLING TIME KEPT FROM 2,850' TO 3,475'
 SAMPLES EXAMINED FROM 2,900' TO 3,475'
 GEOLOGICAL SUPERVISION FROM 2,900' TO 3,475'
 MUD UP 2,620' TYPE MUD CHEMICAL
 WELL SITE GEOLOGIST RICHARD J. HALL - CPG No. 5820

FORMATION	LOG TOP	DATUM	SAMPLE TOP	DATUM	STRUCT. COMP.
SC ANHY	1472	+493	1473		NA
TOPEKA	2916	-951	2916		FLAT
HEERMAN SH.	3118	-1153	3120		-2
TORONTO	3142	-1177	3142		-2
LANSING	3161	-1196	3160		-2
"H" ZONE	3272	-1327	3273		-2
BKC	3371	-1406	3378		+1
ARBUCKLE	3416	-1451	3417		+4
ARB. POROSITY	3452	-1487	3453		NA

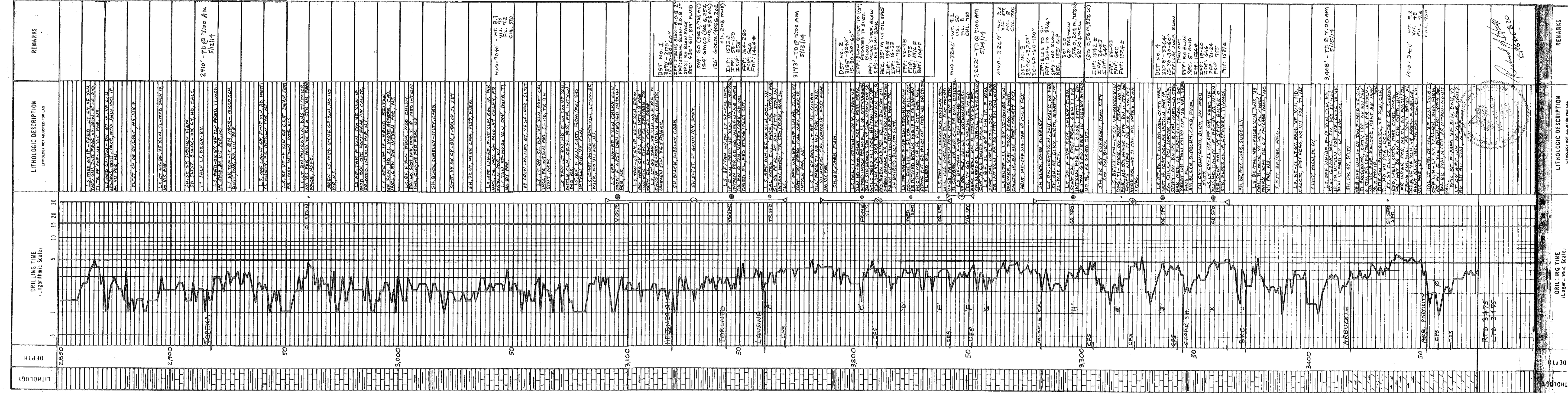


REFERENCE WELL FOR STRUCTURAL COMPARISON TEXAS OIL & GAS CORP., DRYDEN
No. 1, E12-SE-SE-SEC. 8-T7S-R19W, ROOKS CO., KS. KR 1741'

ELEVATION
 KB 1,965'
 DF
 GL 1,957'
 Measurements Are All From KB

CASING RECORD
 SURFACE 8 5/8" @ 263'
 PRODUCTION 5 1/2" @ 3268'

ELECTRICAL SURVEYS
 PIONEER
 - DUAL IND.
 - NEUTRON DENSITY
 - MICROLOG



REMARKS

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 184

Phone 785-483-2025

Cell 785-324-1041

Date	5-16-14	Sec.	9	Twp.	7	Range	19	County	Roooks	State	KS	On Location		Finish	6:30
Lease								Griebel		Well No.		9-1			
Contractor								Discovery #1		Owner					
Type Job								Top Stage		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size				7 3/4		T.D.		3475		Charge To					
Csg.				5 1/2		Depth		Coral Production							
Tbg. Size						Depth				Street					
Tool				DV		Depth		1500		City					
Cement Left in Csg.						Shoe Joint				State					
Meas Line						Displace		35 3/4 bbl		The above was done to satisfaction and supervision of owner agent or contractor.					
EQUIPMENT								Common							
Pumptrk				5		No.		Cementer		375 QMDC					
Bulktrk				19		No.		Helper		David					
Bulktrk				Pu		No.		Driver		Lonnice M Chad					
								Driver		Brett					
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal 100ft							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
DV or Port Collar								1500							
								Sand							
								Handling 375							
								Mileage							
Mix								375 QMDC							
Displaced								35 3/4 bbl							
Cement Circulated!!								FLOAT EQUIPMENT							
Plug landed @ 1000 lbs								Guide Shoe							
Plug held								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								49							
								Mileage							
								prod string							
								Top Stage							
								Tax							
								Discount							
								Total Charge							
Signature								C. H. Mayfield							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 183

Cell 785-324-1041

Date	5-16-14	Sec.	9	Twp.	7	Range	19	County	Rooks	State	KS	On Location		Finish	4:15 AM
Lease								Well No.		Owner					
Griebel								9-1		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										Charge To					
Discovery #1										Coral Production					
Type Job								T.D.		Street					
Bottom Stage								3475'							
Hole Size								Depth		City					
7 7/8								3270'		State					
Csg.								Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
5 1/2										Cement Amount Ordered					
Tbg. Size										125 cfm 10% Salt 5% Gilsen					
Tool								Depth		Cement Left in Csg.					
										38'					
Cement Left in Csg.								Shoe Joint		Meas Line					
38'								38'		Displace					
										77 bbl					
EQUIPMENT								Common		125					
Pumptrk								No.		Poz. Mix					
5															
Bulktrk								No.		Gel.					
15										Ⓟ					
Bulktrk								No.		Calcium					
PU															
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt		11					
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal		625#					
Centralizers								Mud CLR 48		500 gal					
- 1, 2, 4, 5, 7, 9, 40 + 42								CFL-117 or CD110 CAF 38							
Baskets								Sand							
- 2, 9, 40								Handling		142					
DV								Mileage		5 1/2					
5 + 41 @ 1500'								GUIDE EQUIPMENT							
Mix 500 gal Mud Flush								Guide Shoe							
Mix 125 sx down 5 1/2								Centralizer		8					
Displaced 77 bbl								Baskets		3					
Lift 600 lbs								AFU Inserts							
Loaded @ 1500 lbs								Float Shoe		1					
Plug held								Latch Down		1					
Dropped dart								DV Tool		1					
Opened @ 1000 lbs								Rubber Plug		2					
Circulated 30 min								Pumptrk Charge		prod string					
								Mileage		49					
								Tax							
								Discount							
								Total Charge							
Signature										Bottom Stage					
Cliff Mayfield															

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 225

Cell 785-324-1041

Date <u>5-9-14</u>	Sec. <u>9</u>	Twp. <u>7</u>	Range <u>19</u>	County <u>Rooks</u>	State <u>Ks</u>	On Location	Finish <u>7:15 PM</u>
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Location Webster Dam and Hwy 24 N to stop sign, 2w

Lease Griebel Well No. 9-1 Owner to Rd 9, 1 1/2 N, En 3

Contractor Discovery #1 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.

Type Job Surface

Hole Size 12 1/4 T.D. 263 Charge To Corral Production

Csg. 8 5/8 Depth 263 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. Shoe Joint 20 Cement Amount Ordered 175 sx com 3% cc, 2% gel

Meas Line Displace 15 1/4 661

EQUIPMENT

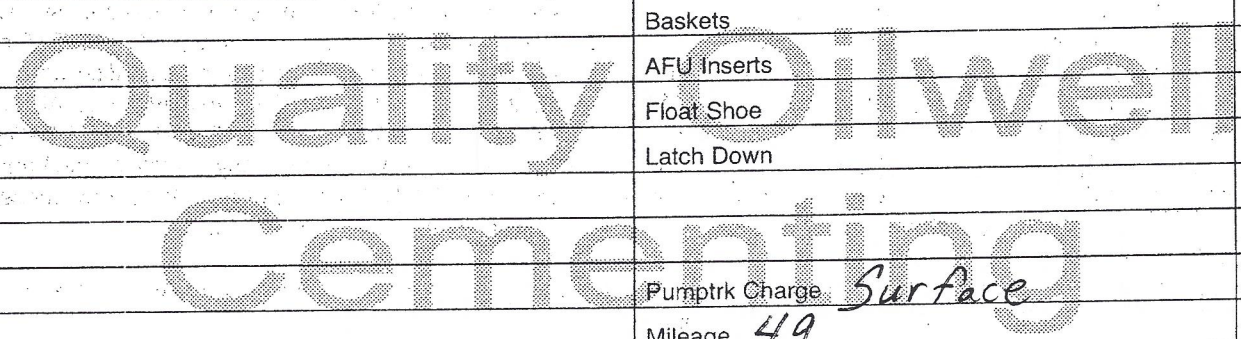
Pumptrk <u>17</u>	No.	Cementer Helper <u>Lonnie W.</u>	Common <u>175</u>
Bulktrk <u>1</u>	No.	Driver <u>David</u>	Poz. Mix
Bulktrk <u>PU</u>	No.	Driver <u>Travis</u>	Gel. <u>3</u>
			Calcium <u>7</u>

JOB SERVICES & REMARKS

Remarks: <u>Cement did circulate</u>	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>185</u>
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down



Pumptrk Charge Surface Mileage 49

Tax
Discount
Total Charge

X Signature: Cliff Mays