



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224671
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: _____

1224671

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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. 578

Date	8-18-14	Sec.	33	Twp.	6	Range	19	County	ROOKS	State	KANSAS	On Location		Finish	9:00AM
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Location WEBSTER DAM. 4 N 1/2 W 1/2 N T170

Lease	BENTZ	Well No.	33-1	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	MURFIN DRIG.	Rig #	#16 "ANDY"	Charge To	CORAL PRODUCTION Corp.
Type Job	PRODUCTION STRING	(DV) 2-STAGE		Street	
Hole Size	7 7/8	P.D.	3590'	City	
Csg.	5 1/2 USED @	Depth	3538	State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	LATCH DOWN PLUG ASSY	Depth	@ 3496	Cement Amount Ordered	125 SX 10% SALT
Cement Left in Csg.	42	Shoe Joint	83 1/4 BBL		5% GILSONITE
Meas Line		Displace	80 / 100	Common	125

EQUIPMENT

Pumptrk	18	No.	Cementer	GLENN G.	Poz. Mix
			Helper	CODY B.	
Bulktrk	3	No.	Driver	CLAYTON B.	Gel.
			Driver	CLAYTON B.	
Bulktrk		No.	Driver		Calcium
			Driver		

JOB SERVICES & REMARKS

Remarks:	83 1/4 - 15.5 #CSG	81 1/4 - 17 #CSG	Hulls
Rat Hole	→		Salt //
Mouse Hole			Flowseal
Centralizers	1, 3, 5, 7, 9,		Kol-Seal 625#
Baskets	7, 44,		Mud CLR 48 500 GAL
DV or Port Collar	ON JOINT # 45		CFL-117 or CD110 CAF 38
REN 84 USED JOINTS OF 17 #CSG			Sand
SET @ 3538, RELIEVED CIRCULATION			Handling 142
DROP "AFU BALL", CIRCULATE A			Mileage
TOTAL OF 3/4 HR.			
PUMP MUD FLUSH, & 10 BBL			
WATER BEHIND.			
MIXED 125 SX 10% SALT 5% GILSONITE			
DOWN-HOLE, CLOG-LINE, &			
RELEASE LATCH DOWN, PLUG,			
DISPLACE 80 /BBL H2O & LAND			
PLUG @ 1500 #.			
RELEASE PRESSURE & AFU &			
LATCH DOWN PLUG - (HELD)			
DROP DART & OPEN DV TOOL			
@ #. 1" BOTTOM STAGE			

FLOAT EQUIPMENT

Guide	ONE	DV TOOL
Centralizer	X 7	TURBO
Baskets	X 2	
AFU Inserts		
Float Shoe	X 1	
Latch Down	X 1	
Pumptrk Charge	prod string	Bottom Stage
Mileage	48	

X Signature	JC Baruch	Tax	
		Discount	
		Total Charge	

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. 579

Date	8-18-14	Sec.	33	Twp.	6	Range	19	County	ROOKS	State	KANSAS	On Location		Finish	10:00AM
Lease	BENTZ			Well No.	33-1			Location WEBSTER Dam 4N 1 1/2W 1/2N							
Contractor	MURFIN DRILL RIG #16 "AHDY"							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	PRODUCTION STRING (DV)							Charge To CORAL PRODUCTION							
Hole Size	7 7/8		T.D.		3990										
Csg.	5 1/2 used set		Depth		3538			Street							
Tbg. Size			Depth					City State							
Tool	DV TOOL @		Depth		1617			The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.			Shoe Joint		42'			Cement Amount Ordered 375 Qm Dc. w/ 1/4# Flow Seal							
Meas Line			Displace		38 1/2 BBL										
EQUIPMENT								Common 375							
Pumptrk	18	No.	Cementor		GLEN NG			Poz. Mix							
			Helper		COD B										
Bulktrk	21	No.	Driver		CHAD M			Gel.							
			Driver												
Bulktrk		No.	Driver					Calcium							
			Driver												
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole 30 SX								Flowseal 93#							
Mouse Hole 15 SX								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
DV or Port Collar DV Tool @ 1617								Sand							
OPEN DV TOOL @ 1,000#								Handling 375							
30 SX @ RAT HOLE								Mileage							
15 SX @ Mouse Hole								FLOAT EQUIPMENT							
Mixed 375 SX Qm Dc. w/ 1/4# Flow Seal								Guide Shoe							
Release DV Tool closing								Centralizer							
Tool & Displaced 37 BBL								Baskets							
H ₂ O Close DV Tool								AFU Inserts							
@ 1700# Release								Float Shoe							
Pressure & DV (Held) closed								Latch Down							
Cement Did Circulate								8' Landing Joint							
TO SURFACE								Pumptrk Charge prod string Top Stage							
								Mileage 48							
TOP STAGE								Tax							
Signature JC. B...								Discount							
								Total Charge							

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. 373

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-11-14	33	6	19	Rooks	KS		8:30 AM

Location *W1/4 24th 41 RDG. 1/2 W N100*

Lease <i>Bente</i>	Well No. <i>33-1</i>	Owner
Contractor <i>Murphy #16</i>		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 <i>Surface</i>		Charge To <i>Coral Production</i>
Hole Size <i>12 1/4</i>	T.D. <i>220</i>	
Csg. <i>8 5/8</i>	Depth <i>217</i>	Street
Tbg. Size	Depth	City
Tool	Depth	State
Cement Left in Csg. <i>15'</i>	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
		Cement Amount Ordered <i>150 com 3/1-CC 2/1-CFL</i>

Meas Line Displace *12 1/2 BCL*

EQUIPMENT			Common
Pumptrk <i>20</i>	No. Cementer <i>Craig</i>		<i>150</i>
	Helper		
Bulktrk	No. Driver <i>Matt</i>		Poz. Mix
	Driver		Gel. <i>3</i>
Bulktrk <i>14</i>	No. Driver <i>Ryan</i>		Calcium <i>5</i>
	Driver		

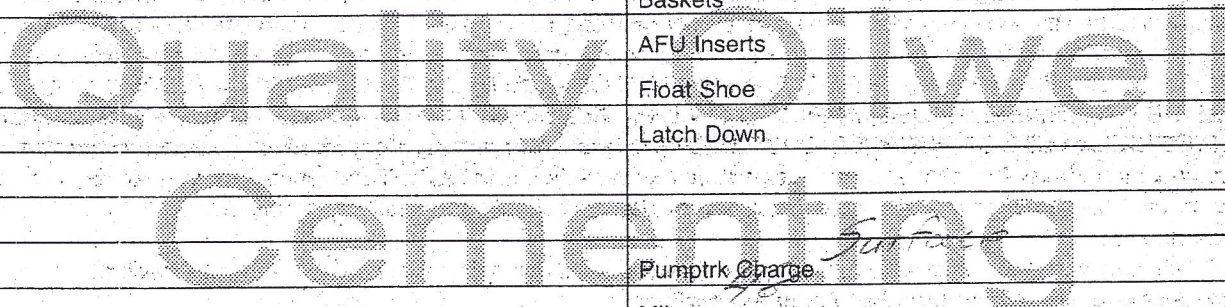
JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>8 5/8 on bottom Est Circulator</i>	Sand
<i>Mix 150 com 4 Displace</i>	Handling <i>158</i>
	Mileage

FLOAT EQUIPMENT

<i>Cement Circulated</i>	Guide Shoe
	Centralizer <i>8 5/8 Swage</i>
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge <i>Surface</i>
	Mileage

Signature <i>Larry Deibel</i>	Tax
	Discount
	Total Charge





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.14 @ 06:02:00

End Date: 2014.08.14 @ 08:03:45

Job Ticket #: 59334 DST #: 1

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

Printed: 2014.08.20 @ 09:43:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59334

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 06:02:00

Tool Information

Drill Pipe:	Length: 3039.00 ft	Diameter: 3.80 inches	Volume: 42.63 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 42.78 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	0.00 lb
Depth to Top Packer:	3057.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Hit a bridge half way in the hole. tried to go through it. w ouldnt work. came out w ith test tool.

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

Change Over Sub	1.00			3037.00	
Shut In Tool	5.00			3042.00	
Hydraulic tool	5.00			3047.00	
Packer	5.00			3052.00	21.00 Bottom Of Top Packer
Packer	5.00			3057.00	
Stubb	1.00			3058.00	
Recorder	0.00	8648	Inside	3058.00	
Recorder	0.00	8940	Outside	3058.00	
Perforations	14.00			3072.00	
Bullnose	3.00			3075.00	18.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59334

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 06:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Mud	1.129

Total Length: 100.00 ft Total Volume: 1.129 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

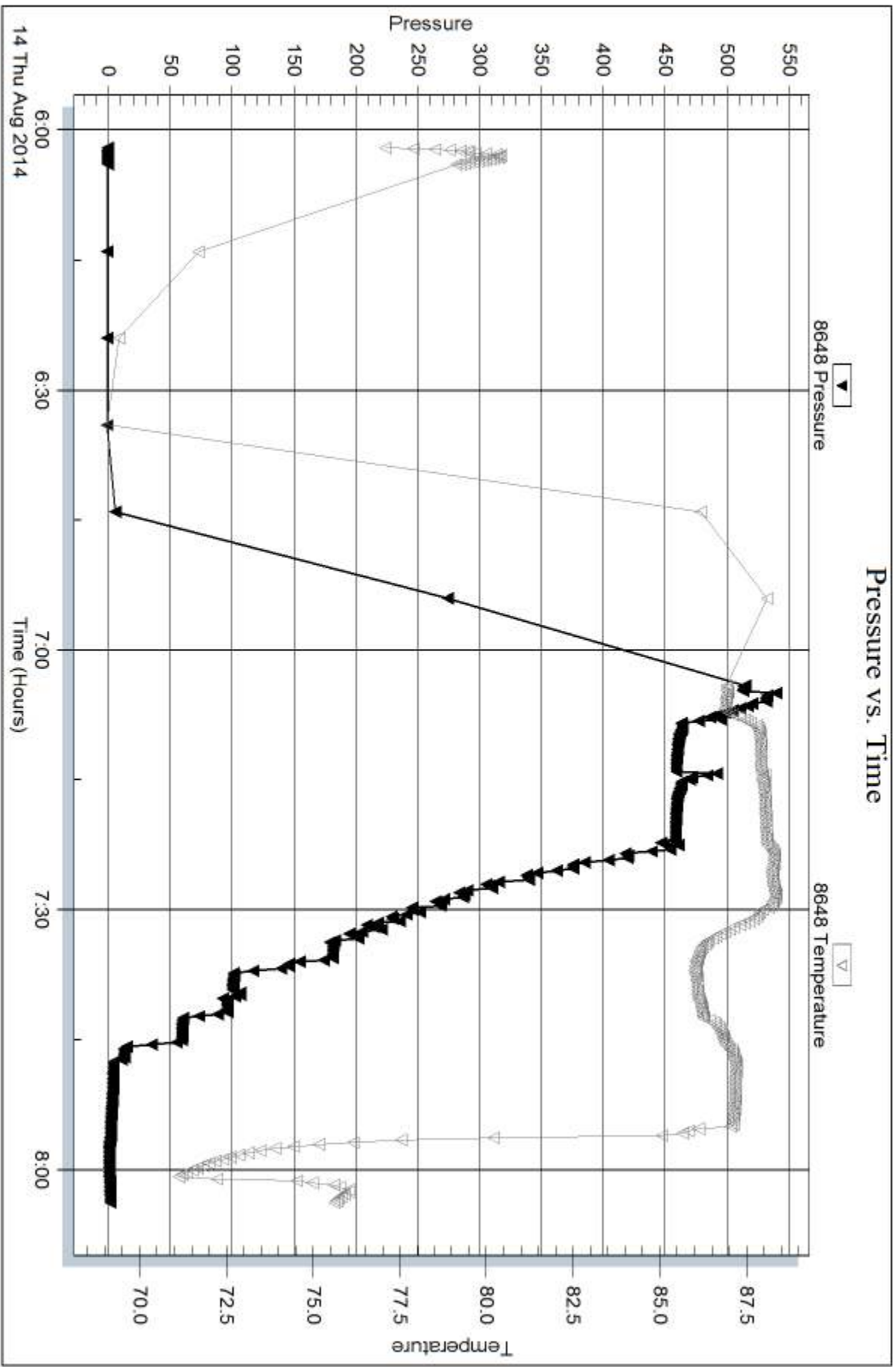
Serial #: 8648

Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59334

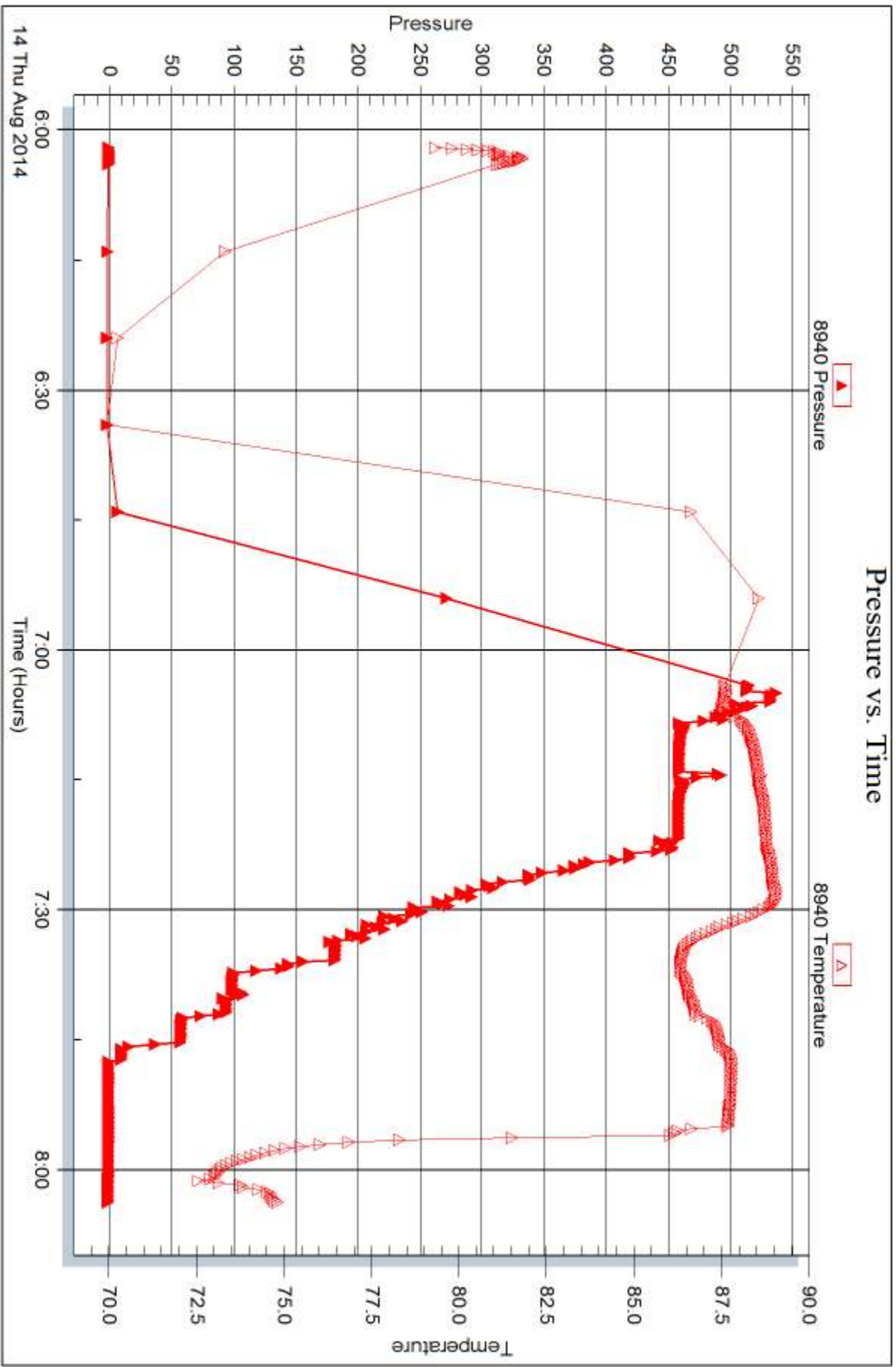
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Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59334

Printed: 2014.08.20 @ 09:43:24



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.14 @ 11:03:00

End Date: 2014.08.14 @ 16:23:15

Job Ticket #: 59335 DST #: 2

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

Printed: 2014.08.20 @ 09:42:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59335

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 11:03:00

GENERAL INFORMATION:

Formation: **Upper Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:16:30

Time Test Ended: 16:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3057.00 ft (KB) To 3075.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3075.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 95.13 psig @ 3058.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.14

Last Calib.: 2014.08.14

Start Time: 11:03:05

End Time:

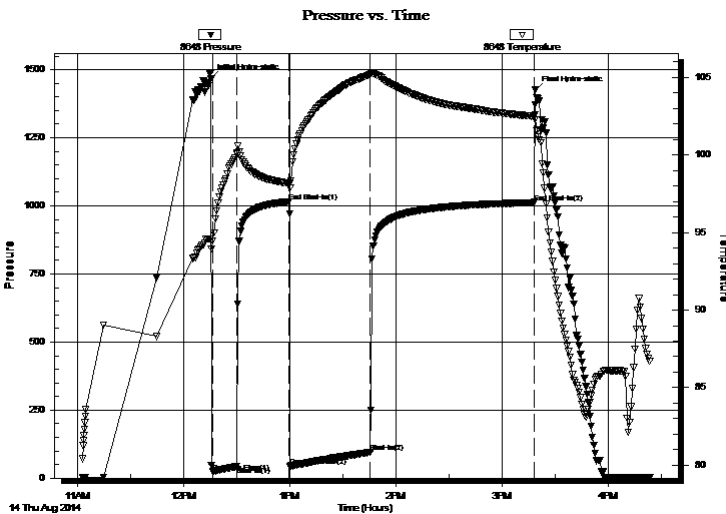
16:23:14

Time On Btm: 2014.08.14 @ 12:15:30

Time Off Btm: 2014.08.14 @ 15:18:30

TEST COMMENT: 15 - IF- 5" blow
30 - IS- No return
45 - FF- 8" blow
90 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1467.39	94.60	Initial Hydro-static
1	22.64	94.46	Open To Flow (1)
15	42.94	100.16	Shut-In(1)
44	1015.32	98.19	End Shut-In(1)
45	44.65	97.87	Open To Flow (2)
90	95.13	105.20	Shut-In(2)
183	1012.50	102.50	End Shut-In(2)
183	1424.66	102.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	WM, oil scum, 40%W, 60%M	0.10
120.00	MW, 5%M, 95%W	1.59

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59335

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 11:03:00

GENERAL INFORMATION:

Formation: **Upper Topeka**

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Time Tool Opened: 12:16:30

Time Test Ended: 16:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: **3057.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3075.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **8940** Outside

Press@RunDepth: psig @ 3058.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.14

Last Calib.:

2014.08.14

Start Time: 11:03:05

End Time:

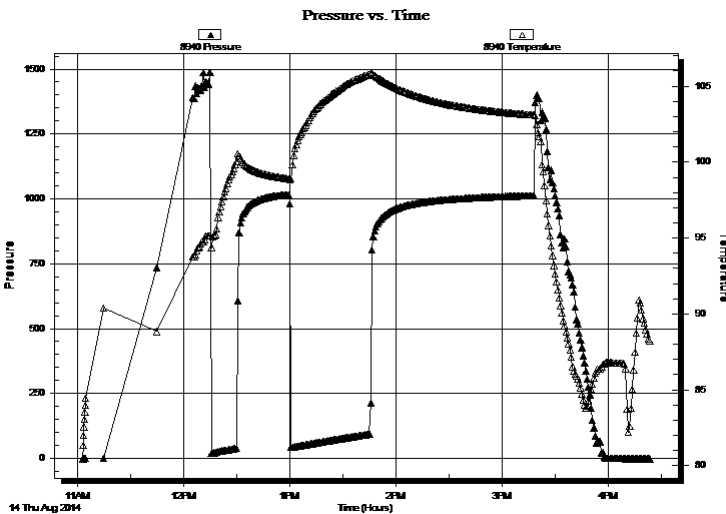
16:23:14

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF- 5" blow
30 - IS- No return
45 - FF- 8" blow
90 - FS- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	WM, oil scum, 40%W, 60%M	0.10
120.00	MW, 5%M, 95%W	1.59

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59335

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 11:03:00

Tool Information

Drill Pipe:	Length: 3039.00 ft	Diameter: 3.80 inches	Volume: 42.63 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 42.78 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3057.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	39.00 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			3037.00	
Shut In Tool	5.00			3042.00	
Hydraulic tool	5.00			3047.00	
Packer	5.00			3052.00	21.00 Bottom Of Top Packer
Packer	5.00			3057.00	
Stubb	1.00			3058.00	
Recorder	0.00	8648	Inside	3058.00	
Recorder	0.00	8940	Outside	3058.00	
Perforations	14.00			3072.00	
Bullnose	3.00			3075.00	18.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59335

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.08.14 @ 11:03:00

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:

125000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	WM, oil scum, 40%W, 60%M	0.098
120.00	MW, 5%M, 95%W	1.592

Total Length: 140.00 ft Total Volume: 1.690 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity: .05 @ 94 Degrees = 125,000

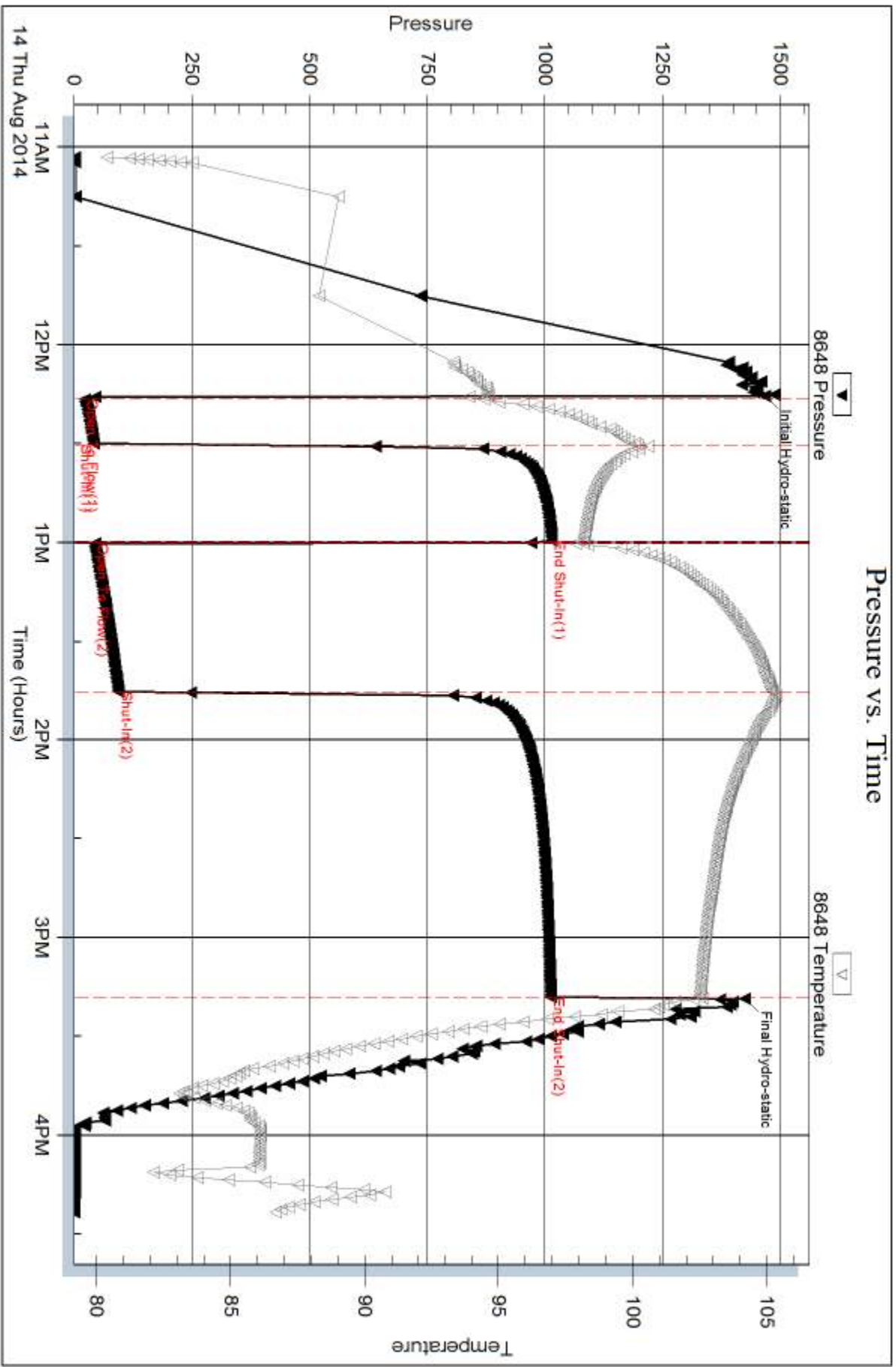
Serial #: 8648

Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59335

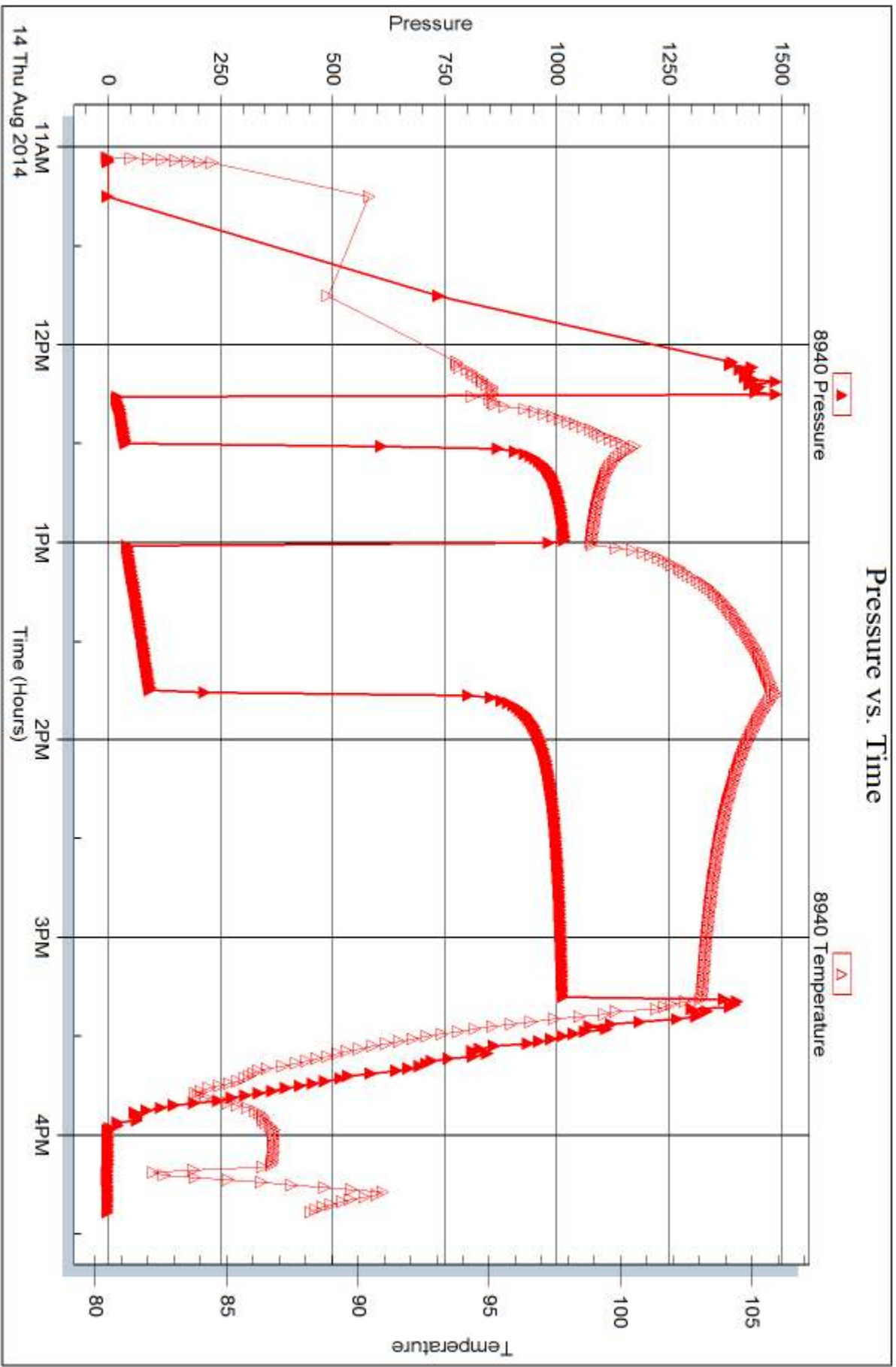
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Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59335

Printed: 2014.08.20 @ 09:43:00



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.15 @ 05:28:00

End Date: 2014.08.15 @ 12:15:00

Job Ticket #: 59336 DST #: 3

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

Printed: 2014.08.20 @ 09:40:24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59336

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 05:28:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:15

Time Test Ended: 12:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648 Inside

Press@RunDepth: 87.99 psig @ 3262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15

End Date:

2014.08.15

Last Calib.: 2014.08.15

Start Time: 05:28:05

End Time:

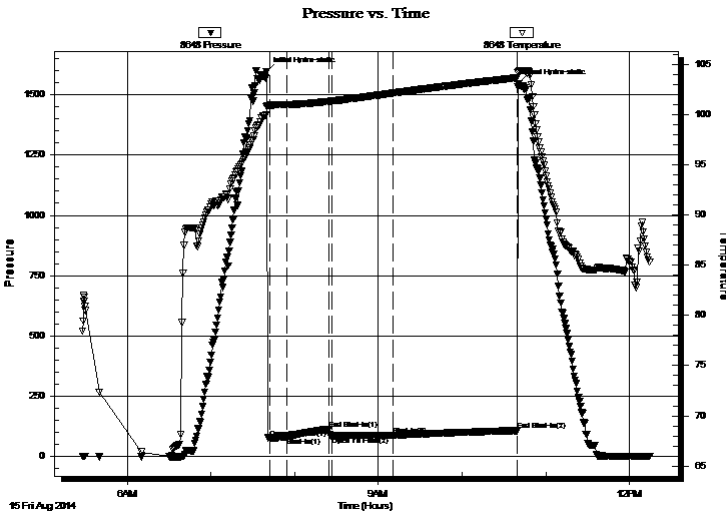
12:14:59

Time On Btm: 2014.08.15 @ 07:39:45

Time Off Btm: 2014.08.15 @ 10:40:15

TEST COMMENT: 15 - IF- B.O.B. in 1 minute and 30 seconds
30 - IS- Surface return
45 - FF- 5 3/4" blow
90 - FS- Surface return. Died in 25 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.34	100.74	Initial Hydro-static
3	74.02	100.91	Open To Flow (1)
15	80.82	100.96	Shut-In(1)
45	112.77	101.29	End Shut-In(1)
48	85.53	101.32	Open To Flow (2)
91	87.99	102.11	Shut-In(2)
180	107.24	103.64	End Shut-In(2)
181	1545.62	104.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	HOCM, 50%O, 50%M	1.34
25.00	GO, 2%G, 98%O	0.35
0.00	100' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59336

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 05:28:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:15

Time Test Ended: 12:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8940 Outside

Press@RunDepth: psig @ 3262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15

End Date:

2014.08.15

Last Calib.:

2014.08.15

Start Time: 05:28:05

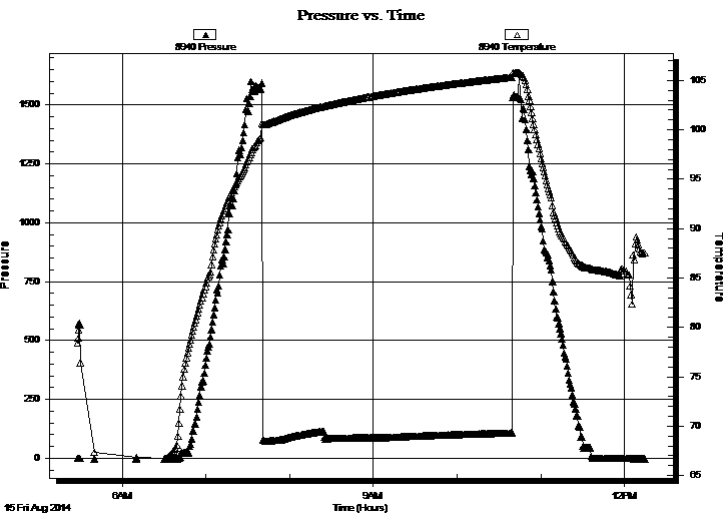
End Time:

12:14:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF- B.O.B. in 1 minute and 30 seconds
30 - IS- Surface return
45 - FF- 5 3/4" blow
90 - FS- Surface return. Died in 25 minutes



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
115.00	HOCM, 50%O, 50%M	1.34
25.00	GO, 2%G, 98%O	0.35
0.00	100' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59336

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 05:28:00

Tool Information

Drill Pipe:	Length: 3198.00 ft	Diameter: 3.80 inches	Volume: 44.86 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 45.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3226.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 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			3206.00	
Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Packer	5.00			3221.00	21.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Perforations	2.00			3229.00	
Change Over Sub	1.00			3230.00	
Drill Pipe	31.00			3261.00	
Change Over Sub	1.00			3262.00	
Recorder	0.00	8648	Inside	3262.00	
Recorder	0.00	8940	Outside	3262.00	
Perforations	5.00			3267.00	
Bullnose	3.00			3270.00	44.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59336

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 05:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
115.00	HOCM, 50%O, 50%M	1.340
25.00	GO, 2%G, 98%O	0.351
0.00	100' of G.I.P.	0.000

Total Length: 140.00 ft Total Volume: 1.691 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 31 @ 60 Degrees = 31

Serial #: 8648

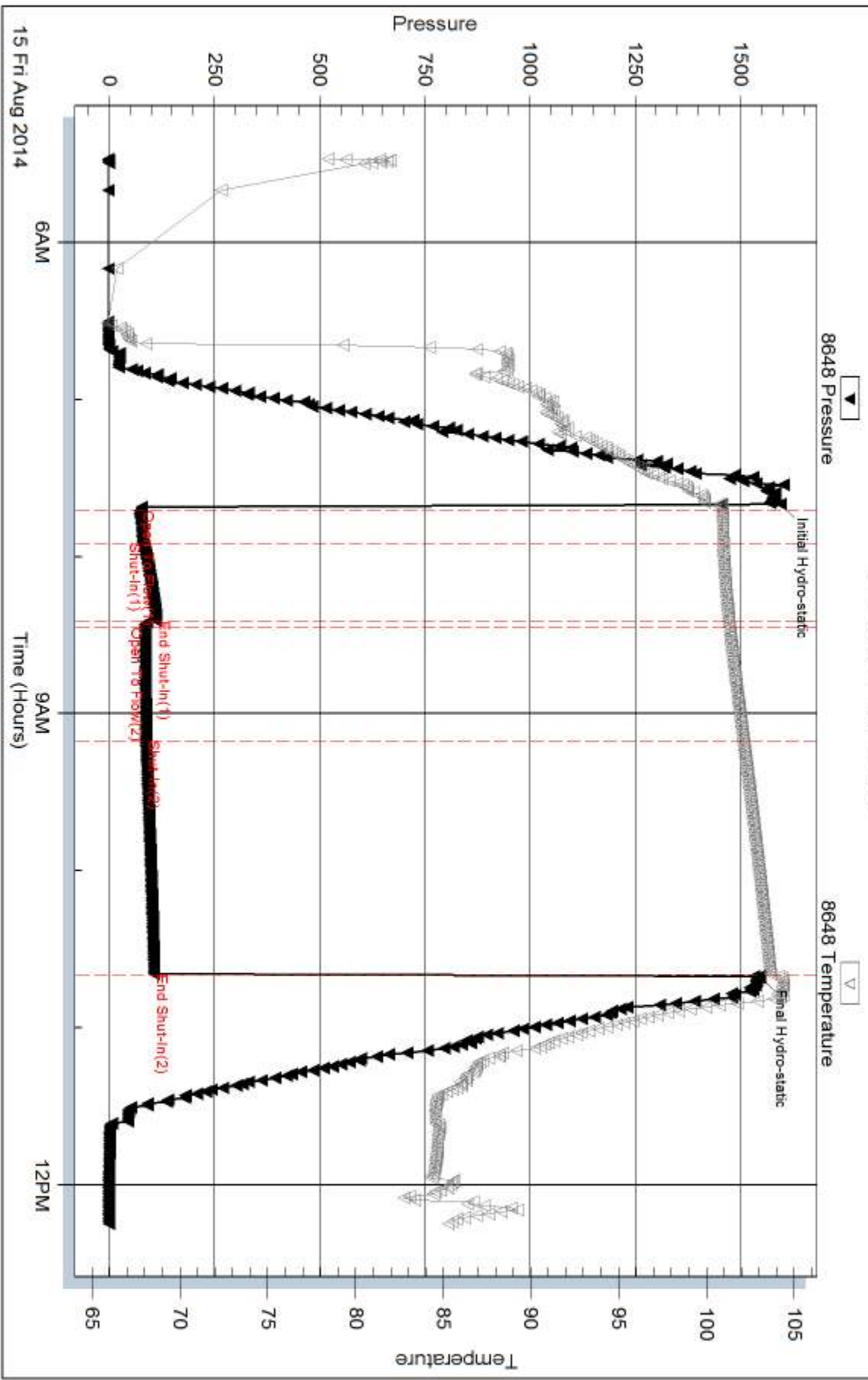
Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 3

Pressure vs. Time

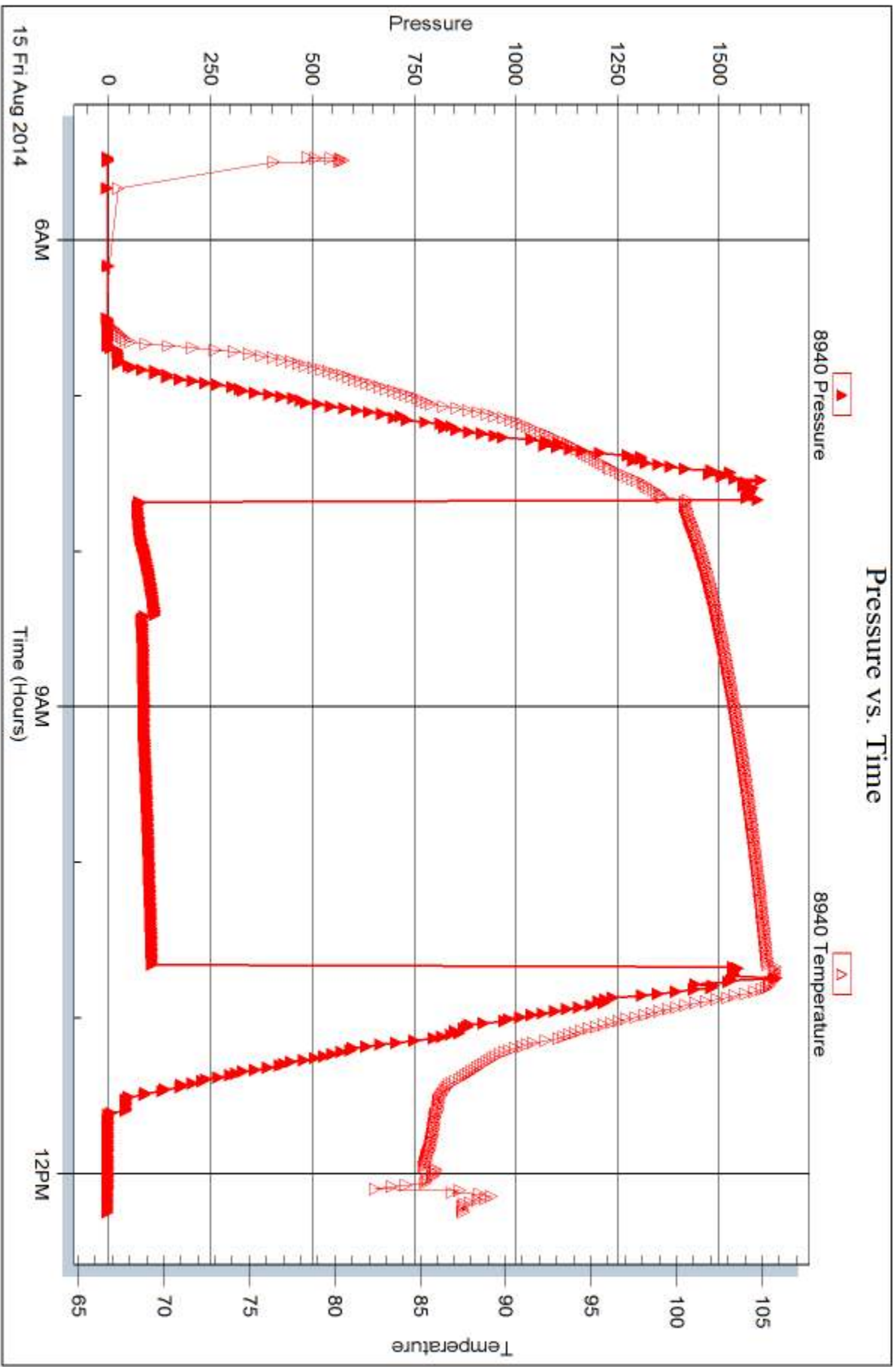


Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.15 @ 20:48:00

End Date: 2014.08.16 @ 03:49:45

Job Ticket #: 59337 DST #: 4

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

Printed: 2014.08.20 @ 09:39:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59337

DST#: 4

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 20:48:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:52:30
 Time Test Ended: 03:49:45
 Interval: **3267.00 ft (KB) To 3342.00 ft (KB) (TVD)**
 Total Depth: 3342.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2067.00 ft (KB)
 2062.00 ft (CF)
 KB to GR/CF: 5.00 ft

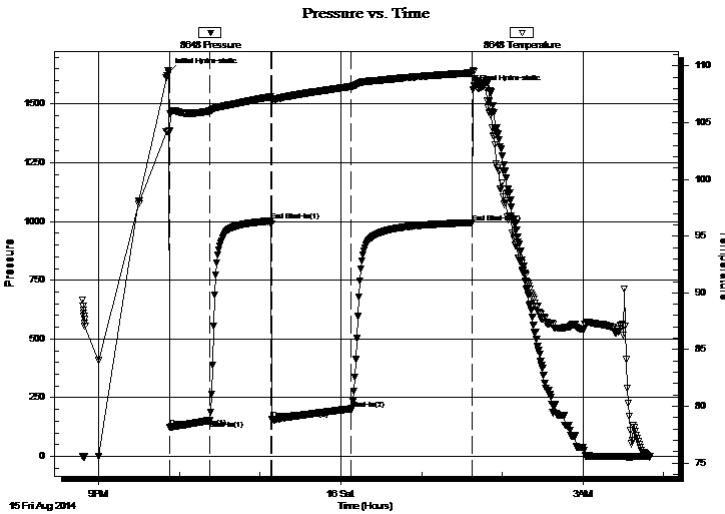
Serial #: 8648

Inside

Press@RunDepth: 202.83 psig @ 3334.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.15 End Date: 2014.08.16 Last Calib.: 2014.08.16
 Start Time: 20:48:05 End Time: 03:49:44 Time On Btm: 2014.08.15 @ 21:52:00
 Time Off Btm: 2014.08.16 @ 01:38:15

TEST COMMENT: 30 - IF- 5" blow
 45 - IS- No return
 60 - FF- 6 1/2" blow
 90 - FS- Surface return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.18	104.17	Initial Hydro-static
1	123.33	104.25	Open To Flow (1)
31	152.94	106.03	Shut-In(1)
76	1002.52	107.28	End Shut-In(1)
77	157.30	106.94	Open To Flow (2)
136	202.83	108.18	Shut-In(2)
226	995.47	109.39	End Shut-In(2)
227	1563.13	109.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCMW, 5%G, 5%W, 30%O, 60%M	1.47
124.00	GOCM, 10%G, 30%O, 60%M	1.74
62.00	HOCWM, 10%W, 40%O, 50%M	0.87
31.00	HOCM, 50%O, 50%M	0.43
0.00	248' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59337

DST#: 4

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 20:48:00

Tool Information

Drill Pipe:	Length: 3231.00 ft	Diameter: 3.80 inches	Volume: 45.32 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3267.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: ON FIRST open, went to open, 7' from bottom, opened tool.. lost mud, pulled tool up.. bled off pressure. Reset tool, opened it up. slid 7' got to bottom. drank about 80' of mud. got packers to hold.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3247.00	
Shut In Tool	5.00			3252.00	
Hydraulic tool	5.00			3257.00	
Packer	5.00			3262.00	21.00 Bottom Of Top Packer
Packer	5.00			3267.00	
Stubb	1.00			3268.00	
Perforations	2.00			3270.00	
Change Over Sub	1.00			3271.00	
Drill Pipe	62.00			3333.00	
Change Over Sub	1.00			3334.00	
Recorder	0.00	8648	Inside	3334.00	
Recorder	0.00	8940	Outside	3334.00	
Perforations	5.00			3339.00	
Bullnose	3.00			3342.00	75.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59337

DST#: 4

ATTN: Tim Lauer

Test Start: 2014.08.15 @ 20:48:00

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: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	GOCMW, 5%G, 5%W, 30%O, 60%M	1.466
124.00	GOCM, 10%G, 30%O, 60%M	1.739
62.00	HOCWM, 10%W, 40%O, 50%M	0.870
31.00	HOCM, 50%O, 50%M	0.435
0.00	248' G.I.P.	0.000

Total Length: 341.00 ft Total Volume: 4.510 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8648

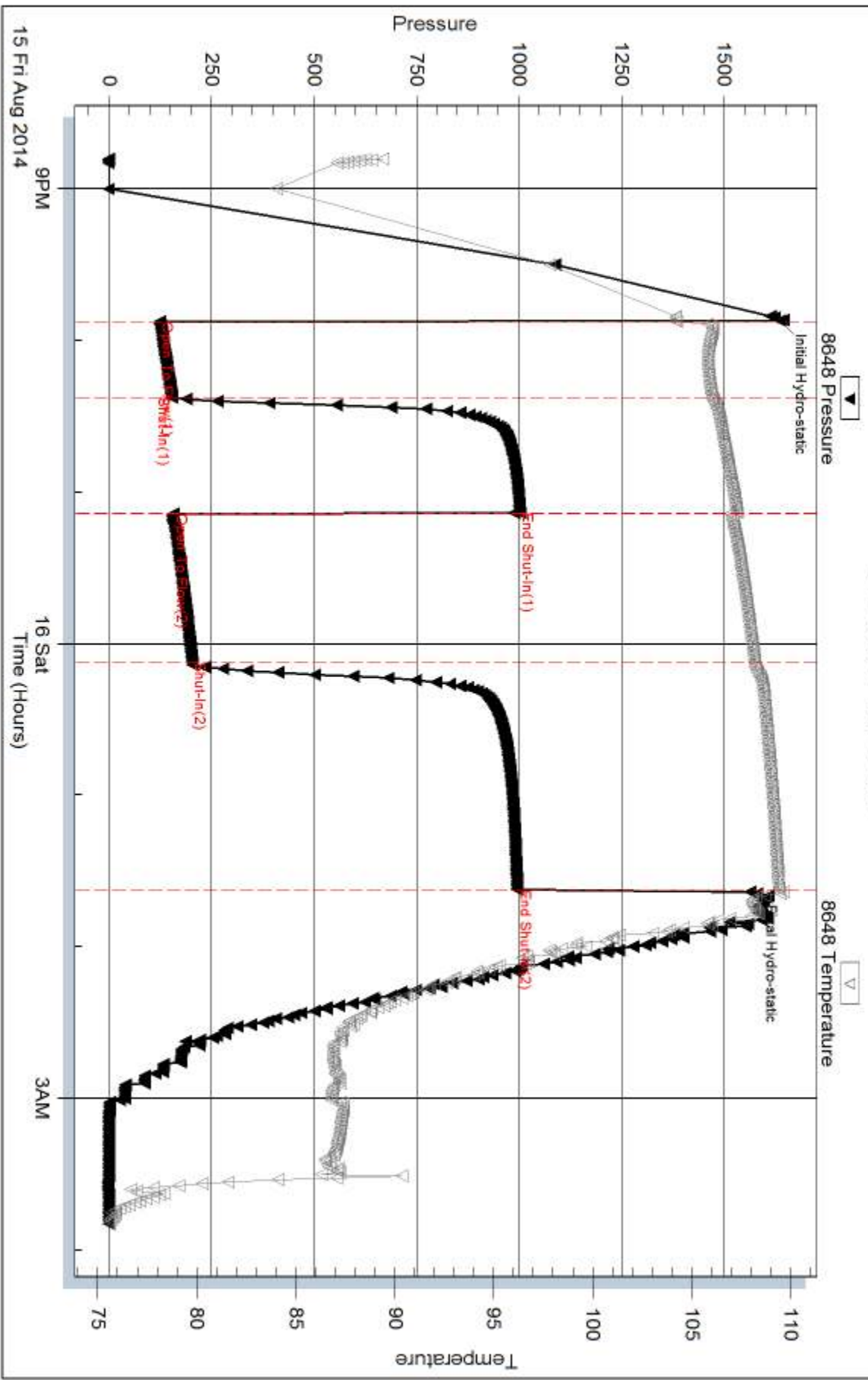
Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 4

Pressure vs. Time



Triobrite Testing, Inc

Ref. No: 59337

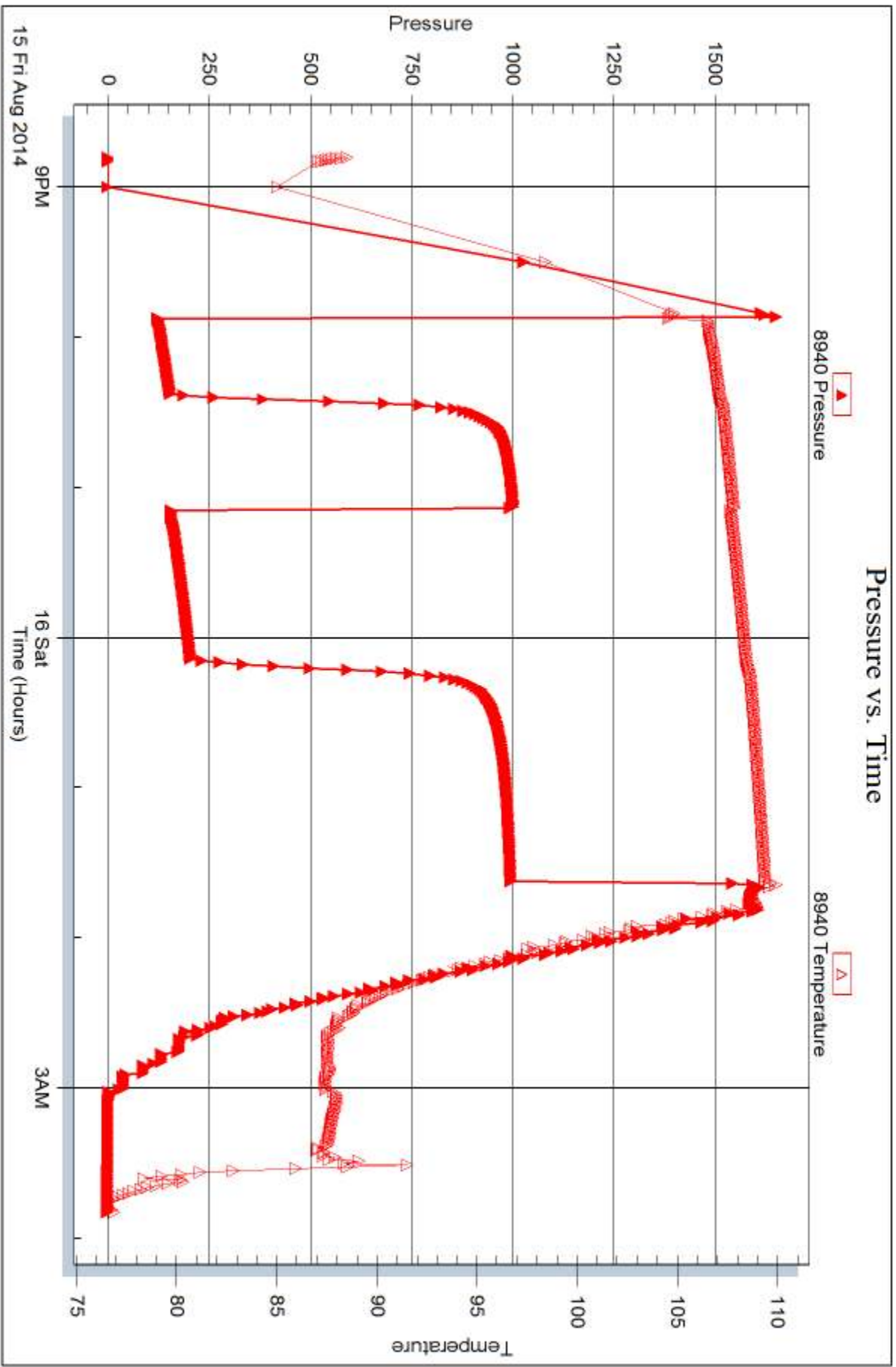
Printed: 2014.08.20 @ 09:39:57

Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59337

Printed: 2014.08.20 @ 09:39:57



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.16 @ 09:35:00

End Date: 2014.08.16 @ 14:34:15

Job Ticket #: 59338 DST #: 5

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

Printed: 2014.08.20 @ 09:39:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59338

DST#: 5

ATTN: Tim Lauer

Test Start: 2014.08.16 @ 09:35:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:30

Time Test Ended: 14:34:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3340.00 ft (KB) To 3357.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3357.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 29.83 psig @ 3341.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time: 09:35:05

End Time:

14:34:14

Time On Btm:

2014.08.16 @ 11:11:15

Time Off Btm:

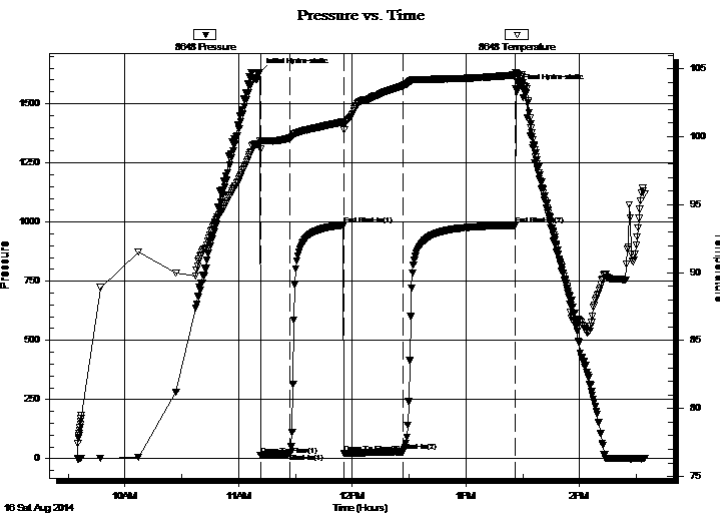
2014.08.16 @ 13:26:15

TEST COMMENT: 15 - IF- Surface blow

30 - IS- No return

30 - FF- No blow

60 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.22	99.73	Initial Hydro-static
1	14.30	99.09	Open To Flow (1)
16	21.42	99.90	Shut-In(1)
45	986.76	101.11	End Shut-In(1)
45	22.06	100.53	Open To Flow (2)
76	29.83	103.77	Shut-In(2)
135	986.56	104.54	End Shut-In(2)
135	1563.89	104.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil spots, 100%M	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59338

DST#: 5

ATTN: Tim Lauer

Test Start: 2014.08.16 @ 09:35:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:30

Time Test Ended: 14:34:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3340.00 ft (KB) To 3357.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3357.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8940 Outside

Press@RunDepth: psig @ 3341.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time: 09:35:05

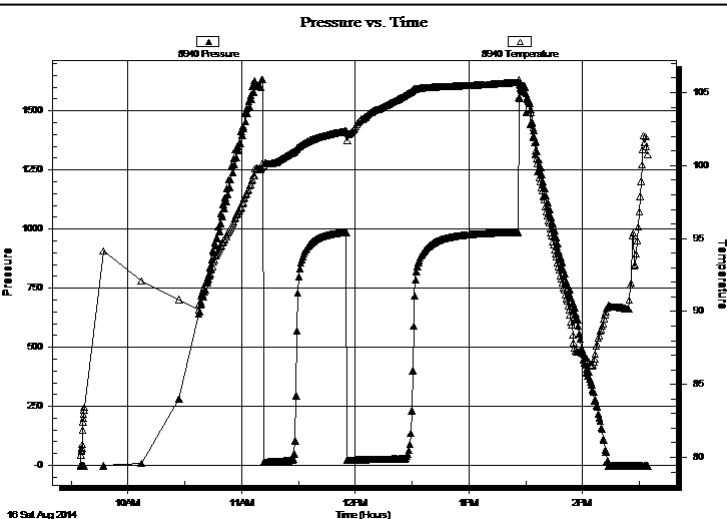
End Time:

14:34:14

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF- Surface blow
30 - IS- No return
30 - FF- No blow
60 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil spots, 100%M	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59338

DST#: 5

ATTN: Tim Lauer

Test Start: 2014.08.16 @ 09:35:00

Tool Information

Drill Pipe:	Length: 3293.00 ft	Diameter: 3.80 inches	Volume: 46.19 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 46.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3340.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	38.00 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			3320.00	
Shut In Tool	5.00			3325.00	
Hydraulic tool	5.00			3330.00	
Packer	5.00			3335.00	21.00 Bottom Of Top Packer
Packer	5.00			3340.00	
Stubb	1.00			3341.00	
Recorder	0.00	8648	Inside	3341.00	
Recorder	0.00	8940	Outside	3341.00	
Perforations	13.00			3354.00	
Bullnose	3.00			3357.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59338

DST#: 5

ATTN: Tim Lauer

Test Start: 2014.08.16 @ 09:35:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 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 bbl
5.00	Mud - Oil spots, 100%M	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:

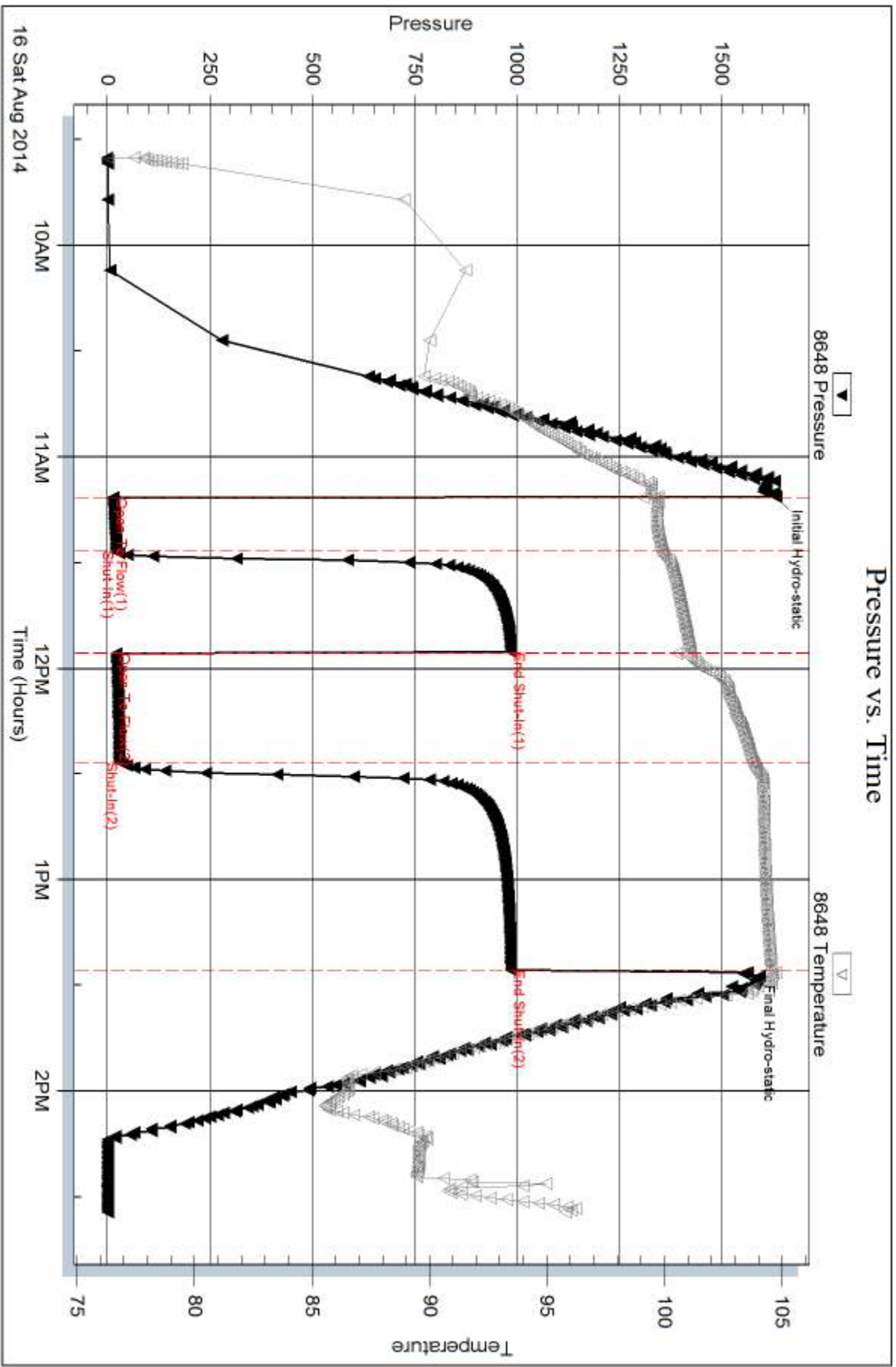
Serial #: 8648

Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 5

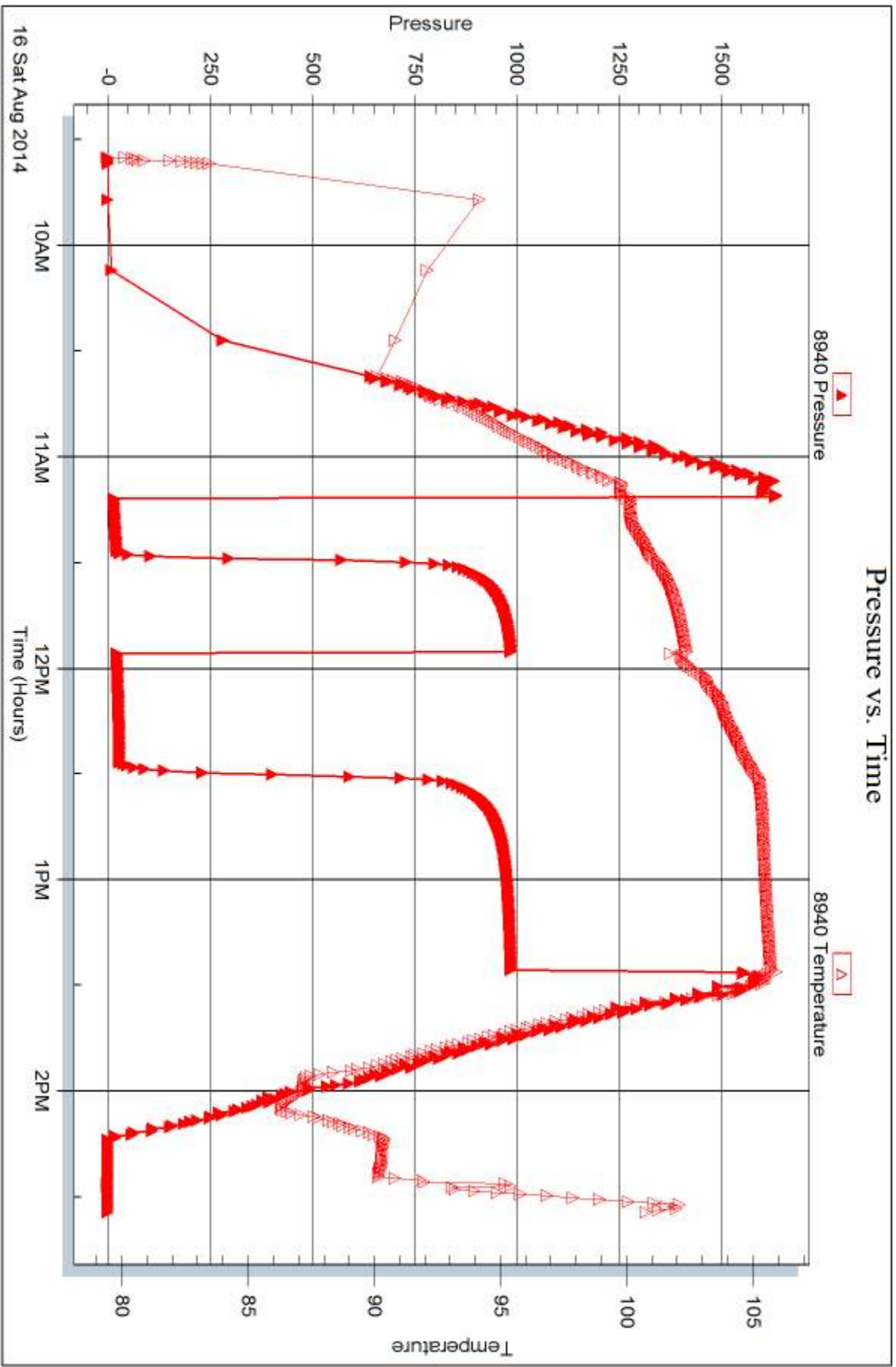


Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 59338

Printed: 2014.08.20 @ 09:39:27



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO, 80202

ATTN: Tim Lauer

Bentz 33-1

33-6s-19w Rooks, KS

Start Date: 2014.08.17 @ 02:11:00

End Date: 2014.08.17 @ 08:19:00

Job Ticket #: 59339 DST #: 6

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

Printed: 2014.08.20 @ 09:38:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59339

DST#: 6

ATTN: Tim Lauer

Test Start: 2014.08.17 @ 02:11:00

GENERAL INFORMATION:

Formation: **LKC "I-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:30

Time Test Ended: 08:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3415.00 ft (KB) To 3495.00 ft (KB) (TVD)

Reference Elevations: 2067.00 ft (KB)

Total Depth: 3495.00 ft (KB) (TVD)

2062.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 258.24 psig @ 3482.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date:

2014.08.17

Last Calib.:

2014.08.17

Start Time: 02:11:05

End Time:

08:18:59

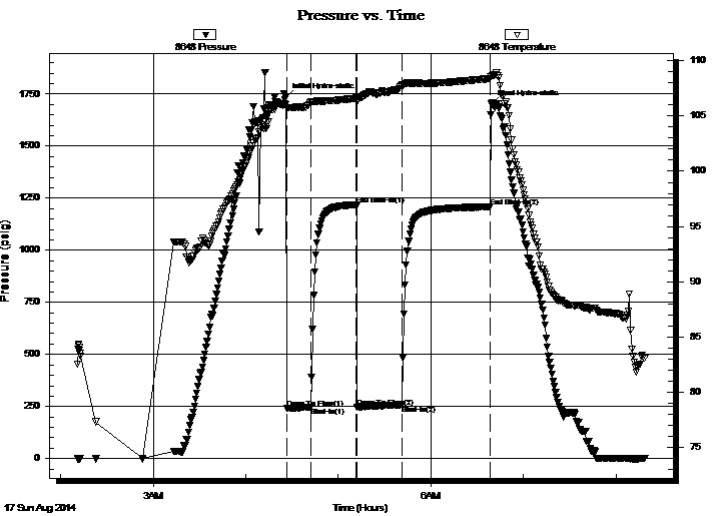
Time On Btm:

2014.08.17 @ 04:26:00

Time Off Btm:

2014.08.17 @ 06:39:15

TEST COMMENT: 15 - IF- 2" blow
30 - IS- No return
30 - FF- 1/2" blow
60 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.70	106.04	Initial Hydro-static
1	241.41	105.75	Open To Flow (1)
16	245.56	106.22	Shut-In(1)
46	1219.15	106.61	End Shut-In(1)
47	247.50	106.34	Open To Flow (2)
75	258.24	107.69	Shut-In(2)
133	1209.02	108.39	End Shut-In(2)
134	1701.60	108.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GHOCM, 20%G, 40%O, 40%M	0.60
372.00	Mud, 100%M	5.22

* 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 Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59339

DST#: 6

ATTN: Tim Lauer

Test Start: 2014.08.17 @ 02:11:00

Tool Information

Drill Pipe:	Length: 3389.00 ft	Diameter: 3.80 inches	Volume: 47.54 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 47.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3415.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	101.00 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			3395.00	
Shut In Tool	5.00			3400.00	
Hydraulic tool	5.00			3405.00	
Packer	5.00			3410.00	21.00 Bottom Of Top Packer
Packer	5.00			3415.00	
Stubb	1.00			3416.00	
Perforations	2.00			3418.00	
Change Over Sub	1.00			3419.00	
Drill Pipe	62.00			3481.00	
Change Over Sub	1.00			3482.00	
Recorder	0.00	8648	Inside	3482.00	
Recorder	0.00	8940	Outside	3482.00	
Perforations	10.00			3492.00	
Bullnose	3.00			3495.00	80.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

33-6s-19w Rooks, KS

1600 Stout St. STE 1500
Denver CO, 80202

Bentz 33-1

Job Ticket: 59339

DST#: 6

ATTN: Tim Lauer

Test Start: 2014.08.17 @ 02:11:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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 bbl
62.00	GHOCM, 20%G, 40%O, 40%M	0.596
372.00	Mud, 100%M	5.218

Total Length: 434.00 ft Total Volume: 5.814 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: tool opened 200' before bottom when we hit a bridge.

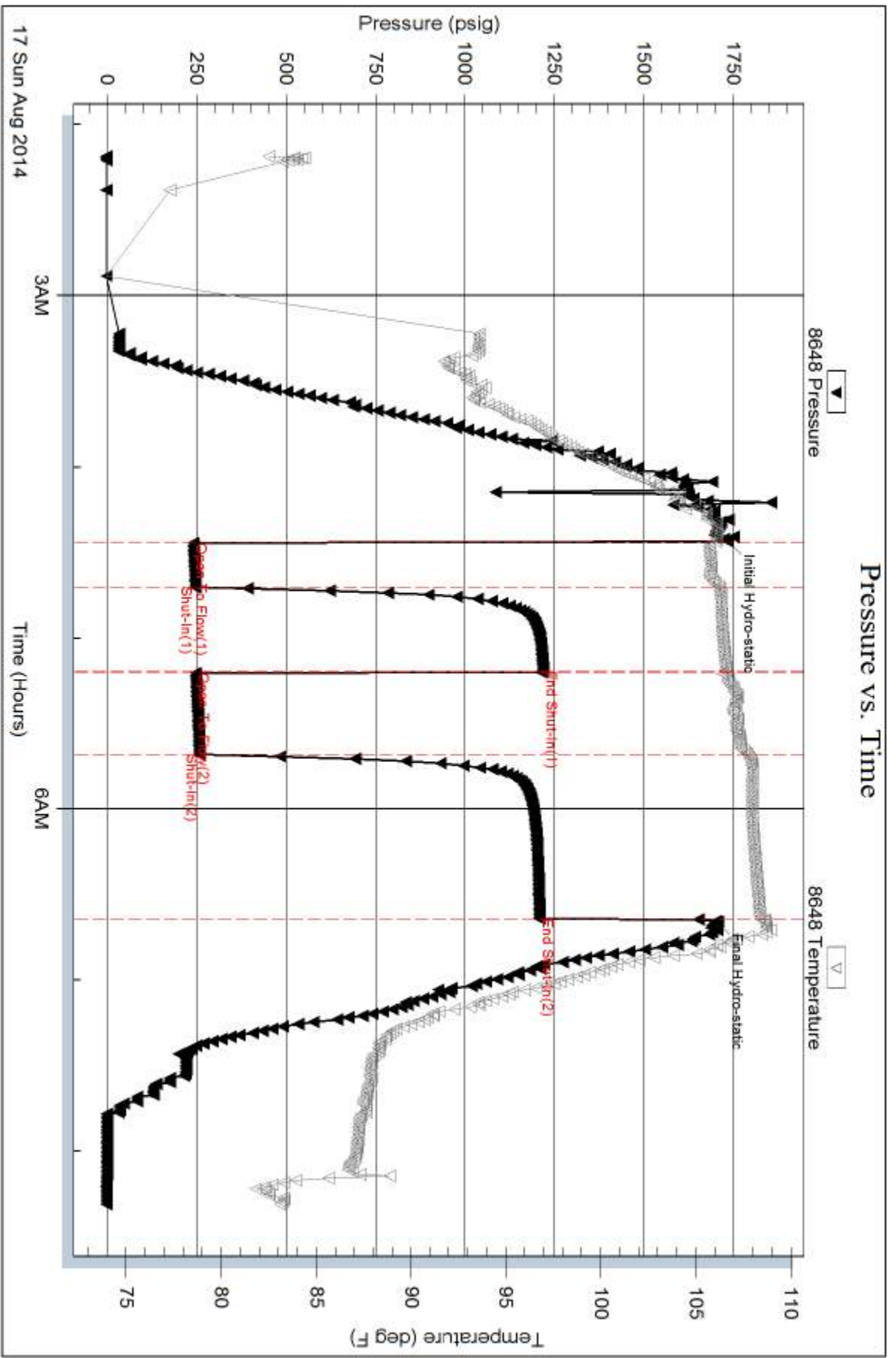
Serial #: 8648

Inside

Coral Production Corporation

Bentz 33-1

DST Test Number: 6

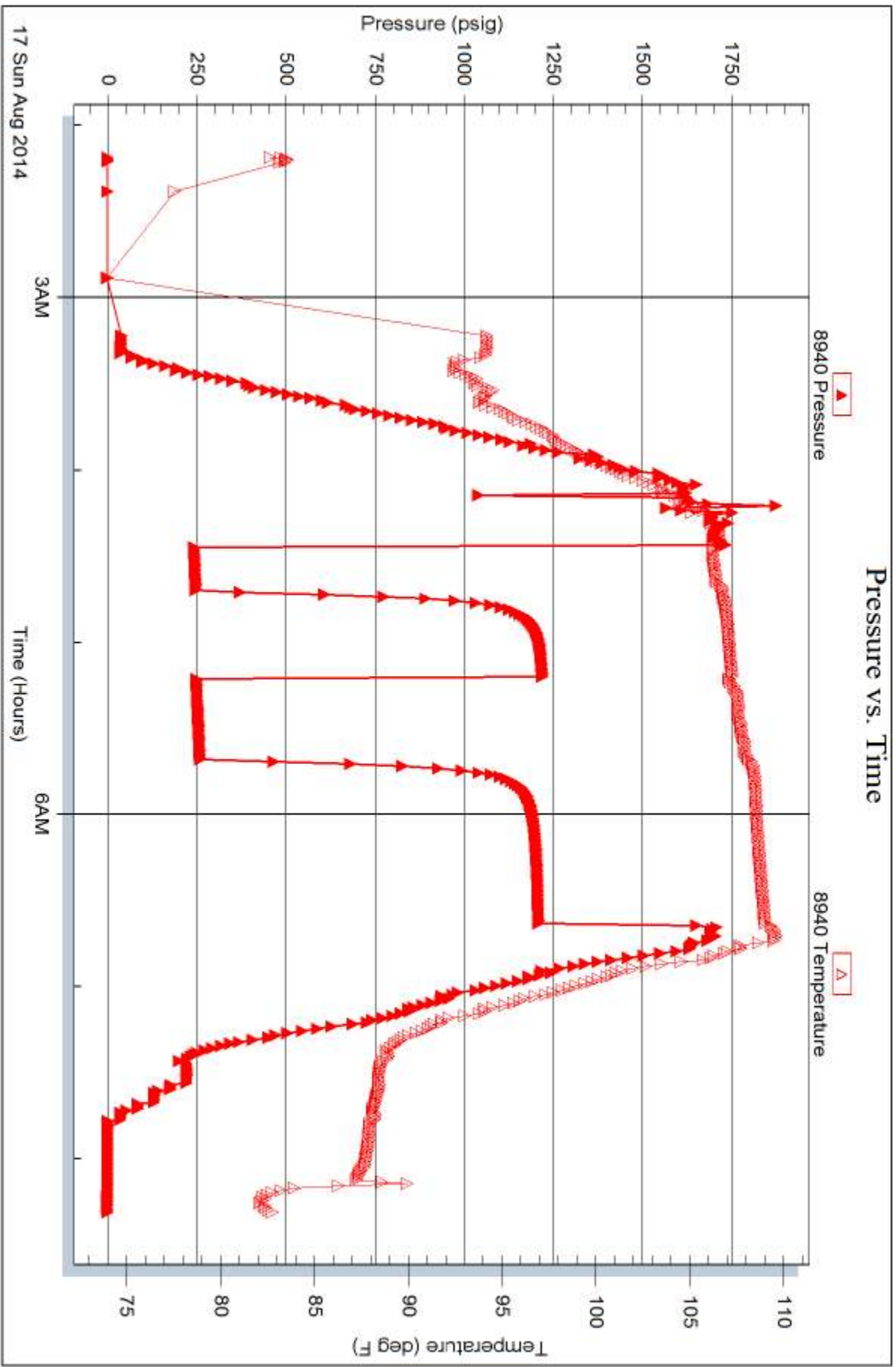


Serial #: 8940

Outside Coral Production Corporation

Bentz 33-1

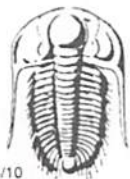
DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 59339

Printed: 2014.08.20 @ 09:38:52



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59334

Well Name & No. Bentz 33-1 Test No. 1 Date 8-14-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St STE 1500, Denver CO, 80202
 Co. Rep / Geo. Tim Lauer 316-253-1275 Rig Murfin #16
 Location: Sec. 33 Twp. 6S Rge. 19W Co. Rooks State KS

Interval Tested 3057-3075 Zone Tested Upper Topeka
 Anchor Length 18' Drill Pipe Run 3039' Mud Wt. _____
 Top Packer Depth 3052 Drill Collars Run 30' Vis _____
 Bottom Packer Depth 3057 Wt. Pipe Run _____ WL _____
 Total Depth 3075 Chlorides _____ ppm System LCM _____
 Blow Description Hit bridge half way going in with test tool.
Tried to go through it. Did NOT work.
- Come out w/test tool.

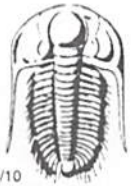
Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic Test 950 T-On Location 0542
 (B) First Initial Flow Jars _____ T-Started 0602
 (C) First Final Flow Safety Joint _____ T-Open _____
 (D) Initial Shut-In Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow Hourly Standby _____ T-Out 0804
 (F) Second Final Flow Mileage 115RT 178.25 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____
 Sub Total 0
 Total 1128.25
 MP/DST Disc't _____
 Sub Total 1128.25

Approved By _____ Our Representative Cody B...

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. 59335

Well Name & No. Bentz 33-1 Test No. 2 Date 8-14-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St. STE 1500, Denver CO, 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 16
 Location: Sec. 33 Twp. 65 Rge. 19w Co. ROOKS State KS

Interval Tested 3057-3075 Zone Tested Upper Topeka
 Anchor Length 18' Drill Pipe Run 3039' Mud Wt. 9.0
 Top Packer Depth 3052 Drill Collars Run 30' Vis 53
 Bottom Packer Depth 3057 Wt. Pipe Run — WL 8.4
 Total Depth 3075 Chlorides 500 ppm System LCM —

Blow Description IF-5" blow
ISI- No return
FF-8" blow
FSI- No return

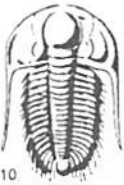
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>WM-oil scum</u>		<u>40</u>	<u>60</u>	
<u>120</u>	<u>MW</u>		<u>95</u>	<u>5</u>	

Rec Total 140' BHT 102° Gravity — API RW 105 @ 94 ° F Chlorides 125,000 ppm

(A) Initial Hydrostatic 1467 Test 1150 T-On Location 11:02
 (B) First Initial Flow 22 Jars _____ T-Started 11:03
 (C) First Final Flow 42 Safety Joint _____ T-Open 12:15
 (D) Initial Shut-In 10:15 Circ Sub _____ T-Pulled 15:15
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 16:22
 (F) Second Final Flow 95 Mileage 115RT Comments _____
 (G) Final Shut-In 10:12 Sampler _____
 (H) Final Hydrostatic 1424 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1150
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1150

Approved By _____ Our Representative Cody Bloodom

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59336

Well Name & No. Bentz 33-1 Test No. 3 Date 8-15-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St. STE 1500, Denver CO, 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 16
 Location: Sec. 33 Twp. 6s Rge. 19w Co. ROOKS State KS

Interval Tested 3226-3270 Zone Tested Toronto
 Anchor Length 44' Drill Pipe Run 3198' Mud Wt. 9
 Top Packer Depth 3221 Drill Collars Run 30' Vis 53
 Bottom Packer Depth 3226 Wt. Pipe Run — WL 8.4
 Total Depth 3270 Chlorides 500 ppm System LCM —

Blow Description IF- B.O.B. in 1 minute & 30 seconds
ISI- Surface return
FF- 5 3/4" blow
FSI- Surface return. died in 25 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>115</u>	<u>HOCM</u>	<u>50</u>	<u>—</u>	<u>50</u>	<u>—</u>
<u>25</u>	<u>60</u>	<u>2</u>	<u>98</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>100' G.I.P.</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 140 BHT 103° Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>159.5</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0349</u>
(B) First Initial Flow <u>74</u>	<input type="checkbox"/> Jars <u>—</u>	T-Started <u>0528</u>
(C) First Final Flow <u>80</u>	<input type="checkbox"/> Safety Joint <u>—</u>	T-Open <u>0741</u>
(D) Initial Shut-In <u>112</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>1041</u>
(E) Second Initial Flow <u>85</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>1216</u>
(F) Second Final Flow <u>87</u>	<input checked="" type="checkbox"/> Mileage <u>115RT</u> 178.25	Comments <u>31 @ 60 Degrees</u>
(G) Final Shut-In <u>107</u>	<input type="checkbox"/> Sampler <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
(H) Final Hydrostatic <u>154.5</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 90

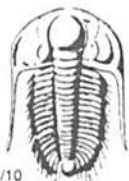
Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —

Sub Total 1328.25

Sub Total 0
 Total 1328.25
 MP/DST Disc't —

Approved By — Our Representative Cody Bluh

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59337

4/10

Well Name & No. Bentz 33-1 Test No. 4 Date 8-15-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St. STE 1500, Denver CO, 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 16
 Location: Sec. 33 Twp. 6S Rge. 19W Co. Rooks State KS

Interval Tested 3267-3342 Zone Tested LKC "A-D"
 Anchor Length 75' Drill Pipe Run 3231 Mud Wt. 9.3
 Top Packer Depth 3262 Drill Collars Run 30' Vis 47
 Bottom Packer Depth 3267 Wt. Pipe Run ~~3231~~ WL 8
 Total Depth 3342 Chlorides 750 ppm System LCM -

Blow Description IF-5" blow
ISI- No return
FF- 6 1/2" blow
FsF - Surface return

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>60CMW</u>	<u>5</u>	<u>30</u>	<u>5</u>	<u>60</u>
<u>124</u>	<u>60CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	<u>60</u>
<u>62</u>	<u>40CMW</u>	<u>40</u>	<u>10</u>	<u>50</u>	<u>50</u>
<u>31</u>	<u>40CM</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
	<u>248' G.I.P.</u>				

Rec Total 341' BHT 109° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1635 Test 1150 T-On Location 2038
 (B) First Initial Flow 123 Jars _____ T-Started 2048
 (C) First Final Flow 152 Safety Joint _____ T-Open 2152
 (D) Initial Shut-In 1002 Circ Sub _____ T-Pulled 0137
 (E) Second Initial Flow 157 Hourly Standby _____ T-Out 0349
 (F) Second Final Flow 202 Mileage 15RT 178.25 Comments _____
 (G) Final Shut-In 995 Sampler _____
 (H) Final Hydrostatic 1563 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1328.25
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1328.25

Approved By _____ Our Representative Cody Bledom

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59338

Well Name & No. Bentz 33-1 Test No. 5 Date 8-16-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St. STE 1500, Denver CO, 80202
 Co. Rep / Geo. Tim Lawer Rig Murfin 16
 Location: Sec. 33 Twp. 65 Rge. 19W Co. Rooks State KS

Interval Tested 3340-3357 Zone Tested LKC "E-F"
 Anchor Length 17' Drill Pipe Run 3293' Mud Wt. 9.2
 Top Packer Depth 3335 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 3340 Wt. Pipe Run — WL 8
 Total Depth 3357 Chlorides 500 ppm System LCM 1#

Blow Description IF - Surface blow
ISI - No return
FF - No blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 5' BHT 104° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1632 Test 1150 T-On Location 0927
 (B) First Initial Flow 14 Jars — T-Started 0935
 (C) First Final Flow 21 Safety Joint — T-Open 1112
 (D) Initial Shut-In 986 Circ Sub — T-Pulled 1327
 (E) Second Initial Flow 22 Hourly Standby — T-Out 1434
 (F) Second Final Flow 29 Mileage 115RT 178.25 Comments —
 (G) Final Shut-In 986 Sampler —
 (H) Final Hydrostatic 1563 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Initial Open 15 Extra Recorder — Sub Total 0
 Initial Shut-In 30 Day Standby — Total 1328.75
 Final Flow 30 Accessibility — MP/DST Disc't —
 Final Shut-In 60 Sub Total 1328.75

Approved By _____ Our Representative Cody Bbedon

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59339

Well Name & No. Bentz 33-1 Test No. 6 Date 8-17-14
 Company Coral Production Corporation Elevation 2067 KB 2062 GL
 Address 1600 Stout St. STE 1500 Denver CO, 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 16
 Location: Sec. 33 Twp. 65 Rge. 19w Co. Rooks State KS

Interval Tested 3415-3495 Zone Tested LKC "I-L"
 Anchor Length 80' Drill Pipe Run 3389' Mud Wt. 9.2
 Top Packer Depth 3410 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 3415 Wt. Pipe Run - WL 8
 Total Depth 3495 Chlorides 500 ppm System LCM 1#

Blow Description IF - 2" blow
ISI - No return
FF - 1/2" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>GHOCM</u>	<u>20</u>	<u>40</u>	<u>40</u>	<u>0</u>
<u>372</u>	<u>Mud</u>			<u>100</u>	<u>0</u>

Rec Total 434 BHT 108° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1734 Test 1150 T-On Location 0201
 (B) First Initial Flow 241 Jars _____ T-Started 0211
 (C) First Final Flow 245 Safety Joint _____ T-Open 0427
 (D) Initial Shut-In 1219 Circ Sub _____ T-Pulled 0642
 (E) Second Initial Flow 247 Hourly Standby _____ T-Out 0820
 (F) Second Final Flow 258 Mileage 15RT 178.25
 (G) Final Shut-In 1209 Sampler _____
 (H) Final Hydrostatic 1701 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1328.75
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1328.25

Approved By _____ Our Representative Cody Black

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