

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

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

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	BIEKER 18-1
Doc ID	1379752

All Electric Logs Run

DIL
CDL/CNL
MICRO LOG
SONIC

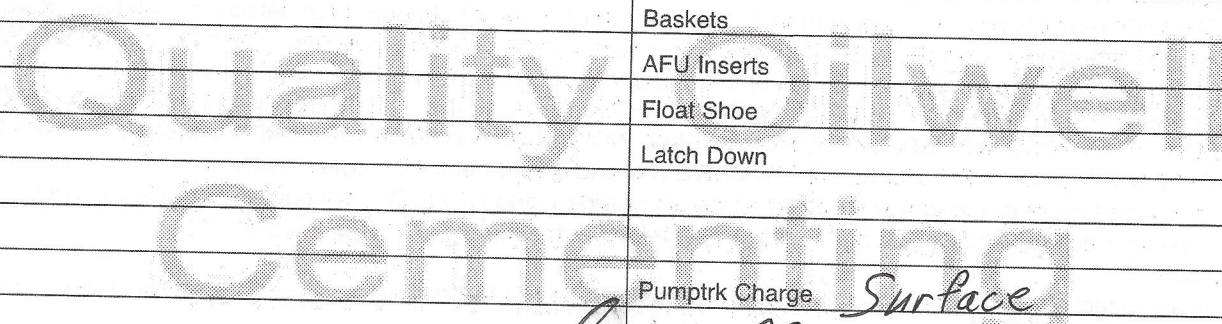
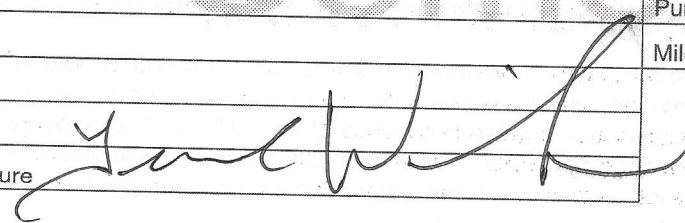
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 573

Date	12-18-17	Sec.	18	Twp.	8	Range	23	County	Cochran	State	KS	On Location		Finish	9:45 P.M.
Lease								Location							
Bieker								Hill City 5 W 23RD 45 W 10							
Well No.								Owner							
18-1								To Quality Oilwell Cementing, Inc.							
Contractor								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Discovery #2								Charge To							
Type Job								Coral Production							
Surface								Street							
Hole Size								City							
12 1/4								State							
Csg.								T.D.							
8 5/8								233							
Tbg. Size								Depth							
								231							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
								Cement Amount Ordered							
Cement Left in Csg.								150 ⁸⁰ / 20 3 1/2 2 1/2 1 1/2							
10'								Shoe Joint							
Meas Line								Displace							
								143L							
EQUIPMENT															
Pumptrk								Common							
5 No. Cementer								120							
Helper								Poz. Mix							
3 No. Driver								30							
Bulktrk								Gel.							
No. Driver								3							
Bulktrk								Calcium							
9 No. Driver								6							
Driver								Hulls							
Tom								Salt							
JOB SERVICES & REMARKS															
Remarks:								Flowseal							
Rat Hole								Kol-Seal							
Mouse Hole								Mud CLR 48							
Centralizers								CFL-117 or CD110 CAF 38							
Baskets								Sand							
D/V or Port Collar								Handling							
8 5/8 on bottom - Est. Circulation								159							
Mix 150 SIKY Displace								Mileage							
Cement Circulated!								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								28							
															
Signature												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. 628

Date	1-10-18	Sec.	18	Twp.	8	Range	23	County	Graham	State	Ks	On Location		Finish	8:00 AM
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Location Hill City - 400 to 230 Ave, 1/4 S, 1/2 W

Lease	Bieker	Well No.	18-1	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.
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Contractor	Discovery 2	Type Job	Bottom Stage	Charge To	Coral Production Corp.
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Hole Size	7 7/8"	T.D.	3815'	Street	
Csg.	5 1/2" 15.50#	Depth	3801'	City	

Tbg. Size		Depth		City	State
Tool	DU Tool	Depth	#45 1909'	The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	40'	Shoe Joint	42'	Cement Amount Ordered	170 Com 10% Salt 5% Gilsomite
Meas Line	43 water 4 1/2 mud	Displace	89 1/2 BCS	500 gal mud Clear 48	

Pumptrk	16	No.	Cementor		Common	170
			Helper	Travis	Poz. Mix	
Bulktrk	9	No.	Driver	Doug	Gel.	
Bulktrk	P.C.	No.	Driver	Rick	Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	15
Mouse Hole		Flowseal	
Centralizers	13579 44	Kol-Seal	850#
Baskets	7# #45	Mud CLR 48	500 gal
DM or Port Collar	#45 1909'	CFL-117 or CD110 CAF 38	
Pipe on bottom break	Circulation	Sand	
pump	500 gal mud Clear 2 BCS H2O	Handling	193
Spacers + mix	170 5x Cement. Shut	Mileage	

FLOAT EQUIPMENT

down wash pump + has Released plug		Guide Shoe	
+ Displaced w/ 45 BCS H2O + 4 1/2 BCS		Centralizer	5 turbos 1 Reg
mud, Released + held. Drop Dart		Baskets	2
+ open tool w/ 900 # Break Circulation		AFU Inserts	
		Float Shoe	1
		Latch Down	
Lift pressure	700 #	DU Tool w/ latch down	
Land plug to	1600 #	Pumptrk Charge	prod string 2 stage bottom
		Mileage	28

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. 629

Date	1-10-18	Sec.	18	Twp.	8	Range	23	County	Graham	State	Ks	On Location		Finish	10:00AM
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Location Hill City - 400, 1/4 S, W1/4

Lease	Bieker	Well No.	18-1	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	Discovery #2				
Type Job	Top Stage				
Hole Size	7 7/8"	T.D.	3815'	Charge To	Coral Production
Csg.	5 1/2"	Depth	3801'	Street	
Tbg. Size		Depth		City	State
Tool	DW Tool	Depth	#45 1909'	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	42'	Cement Amount Ordered	390 @ 20 QMDC VULFLOW
Meas Line		Displace	44 1/2 H2O		

EQUIPMENT

Pumptrk	16	No.	Cement		Common	390 @ 20 QMDC
			Helper	Tavis	Poz. Mix	
Bulktrk	A	No.	Driver	Doug	Gel.	
Bulktrk	p.u.	No.	Driver	Rick	Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	100#
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
Drill or Port Collar	#45 1909'	CFL-117 or CD110 CAF 38	
Break Circulation plug Rathole		Sand	
w/ 30 sx, mouse hole w/ 150x Hook to		Handling	390
3 1/2" casing + mix 345 sx Cement.		Mileage	
Displaced plug w/ 44 1/2 BS of H2O		FLOAT EQUIPMENT	
Closed tool w/ 1500 #		Guide Shoe	
Released & held		Centralizer	
Lift pressure 550 #		Baskets	
Land plug to 1500 #		AFU Inserts	
Wash up & Rigged down		Float Shoe	
Cement did Circulate		Latch Down	

Pumptrk Charge	prod string	Top Stage
Mileage	28	

Tax	
Discount	
Total Charge	

X Signature

[Handwritten Signature]



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO 80202-3133

ATTN: Jim Wieger, Pat Deen

Bieker #18-1

18-8s-23w Graham,KS

Start Date: 2018.01.07 @ 01:35:59

End Date: 2018.01.07 @ 08:33:08

Job Ticket #: 63246 DST #: 1

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

Printed: 2018.01.10 @ 08:47:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63246

DST#: 1

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 01:35:59

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:41:24

Time Test Ended: 08:33:08

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3540.00 ft (KB) To 3578.00 ft (KB) (TVD)

Reference Elevations: 2232.00 ft (KB)

Total Depth: 3578.00 ft (KB) (TVD)

2224.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 190.44 psig @ 3547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.07

End Date:

2018.01.07

Last Calib.: 2018.01.07

Start Time: 01:35:59

End Time:

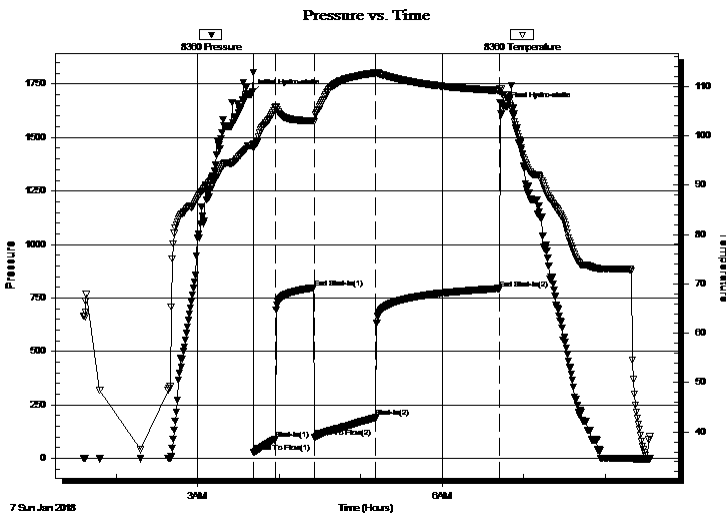
08:33:08

Time On Btm: 2018.01.07 @ 03:39:09

Time Off Btm: 2018.01.07 @ 06:45:23

TEST COMMENT: 15-IFP-w k to BOB in 11 min
30-ISIP-no bl bk
45-FFP-w k to BOB in 20 min
90-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.98	98.01	Initial Hydro-static
3	29.23	97.52	Open To Flow (1)
18	88.93	105.64	Shut-In(1)
47	796.79	103.05	End Shut-In(1)
47	96.79	102.82	Open To Flow (2)
92	190.44	112.71	Shut-In(2)
183	792.56	109.16	End Shut-In(2)
187	1644.49	108.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Water	2.83
60.00	SOCMW 1%O29%M70%W	0.84
15.00	OCM 10%O90%M	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63246

DST#: 1

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 01:35:59

Tool Information

Drill Pipe:	Length: 3312.00 ft	Diameter: 3.80 inches	Volume: 46.46 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 218.00 ft	Diameter: 2.70 inches	Volume: 1.54 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.00 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3540.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	59.00 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			3520.00	
Shut In Tool	5.00			3525.00	
Hydraulic tool	5.00			3530.00	
Packer	5.00			3535.00	21.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Perforations	6.00			3547.00	
Recorder	0.00	8360	Inside	3547.00	
Recorder	0.00	8673	Outside	3547.00	
Perforations	28.00			3575.00	
Bullnose	3.00			3578.00	38.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63246

DST#: 1

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 01:35:59

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:

74000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.52 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 bbbl
310.00	Water	2.834
60.00	SOCMW 1%O29%M70%W	0.842
15.00	OCM 10%O90%M	0.210

Total Length: 385.00 ft Total Volume: 3.886 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11@70F

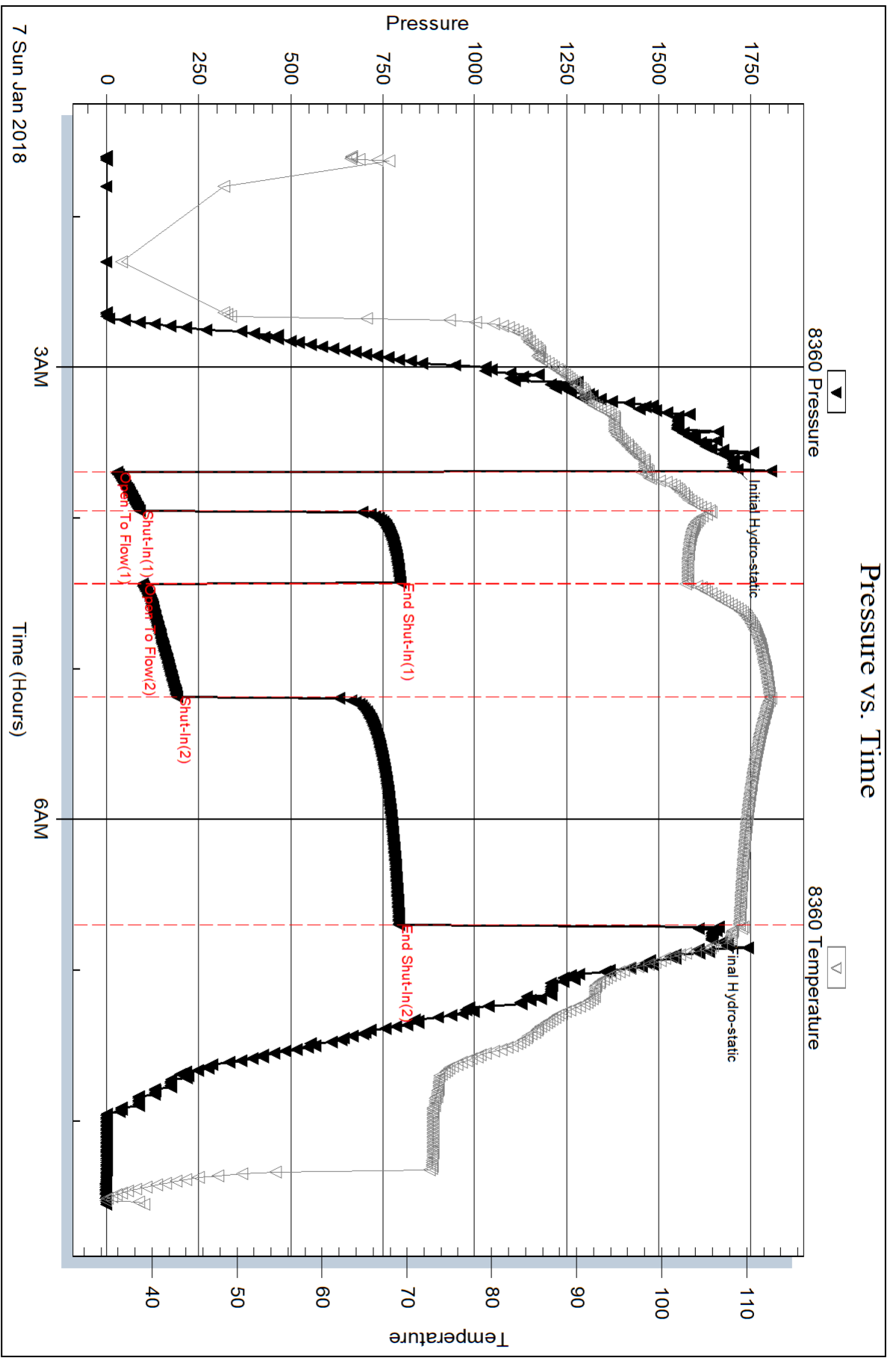
Serial #: 8360

Inside

Coral Production Corporation

Bieker #18-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63246

Printed: 2018.01.10 @ 08:47:45

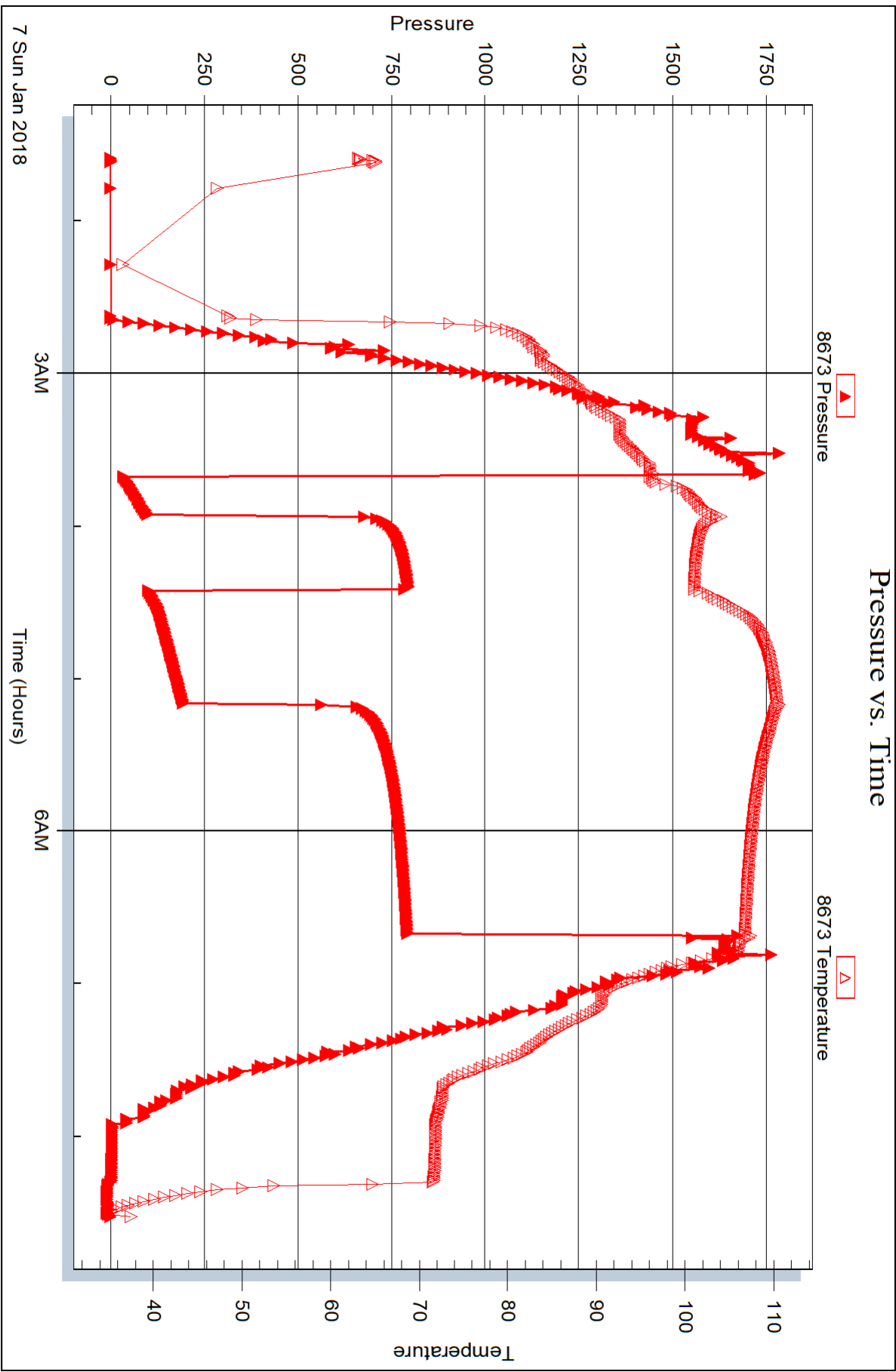
Serial #: 8673

Outside

Coral Production Corporation

Bleker #18-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63246

Printed: 2018.01.10 @ 08:47:45



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO 80202-3133

ATTN: Jim Wieger, Pat Deen

Bieker #18-1

18-8s-23w Graham,KS

Start Date: 2018.01.07 @ 18:11:01

End Date: 2018.01.08 @ 01:04:25

Job Ticket #: 63247 DST #: 2

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

Printed: 2018.01.10 @ 08:47:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63247

DST#: 2

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 18:11:01

GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:23:11

Time Test Ended: 01:04:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: 3566.00 ft (KB) To 3645.00 ft (KB) (TVD)

Reference Elevations: 2232.00 ft (KB)

Total Depth: 3645.00 ft (KB) (TVD)

2224.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 202.28 psig @ 3577.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.07

End Date:

2018.01.08

Last Calib.:

2018.01.08

Start Time:

18:11:01

End Time:

01:04:25

Time On Btm:

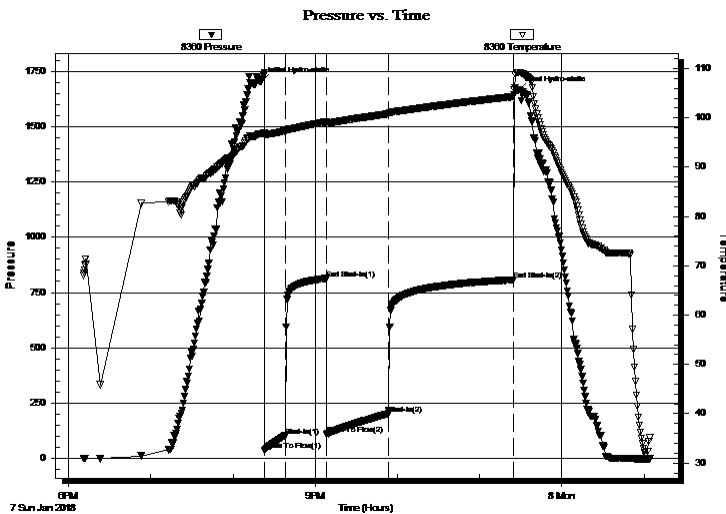
2018.01.07 @ 20:20:56

Time Off Btm:

2018.01.07 @ 23:28:40

TEST COMMENT: 15-IFP-w e k to BOB in 15 min
30-ISIP-no bl bk
45-FFP-w k to BOB in 25 min
90-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1703.46	96.78	Initial Hydro-static
3	38.45	96.48	Open To Flow (1)
17	102.25	97.30	Shut-In(1)
47	813.53	99.17	End Shut-In(1)
48	108.11	98.95	Open To Flow (2)
93	202.28	100.80	Shut-In(2)
184	807.28	104.30	End Shut-In(2)
188	1664.58	109.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	Water	3.68
30.00	MW w / show of oil	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 Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63247

DST#: 2

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 18:11:01

Tool Information

Drill Pipe:	Length: 3341.00 ft	Diameter: 3.80 inches	Volume: 46.87 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 218.00 ft	Diameter: 2.70 inches	Volume: 1.54 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 48.41 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3566.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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

Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	5.00			3561.00	21.00 Bottom Of Top Packer
Packer	5.00			3566.00	
Stubb	1.00			3567.00	
Perforations	10.00			3577.00	
Recorder	0.00	8360	Inside	3577.00	
Recorder	0.00	8673	Outside	3577.00	
Blank Spacing	65.00			3642.00	
Bullnose	3.00			3645.00	79.00 Bottom Packers & Anchor

Total Tool Length: 100.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63247

DST#: 2

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.07 @ 18:11:01

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:

58000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.53 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
370.00	Water	3.676
30.00	MW w/ show of oil	0.421

Total Length: 400.00 ft Total Volume: 4.097 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .15 @ 60F

Serial #: 8360

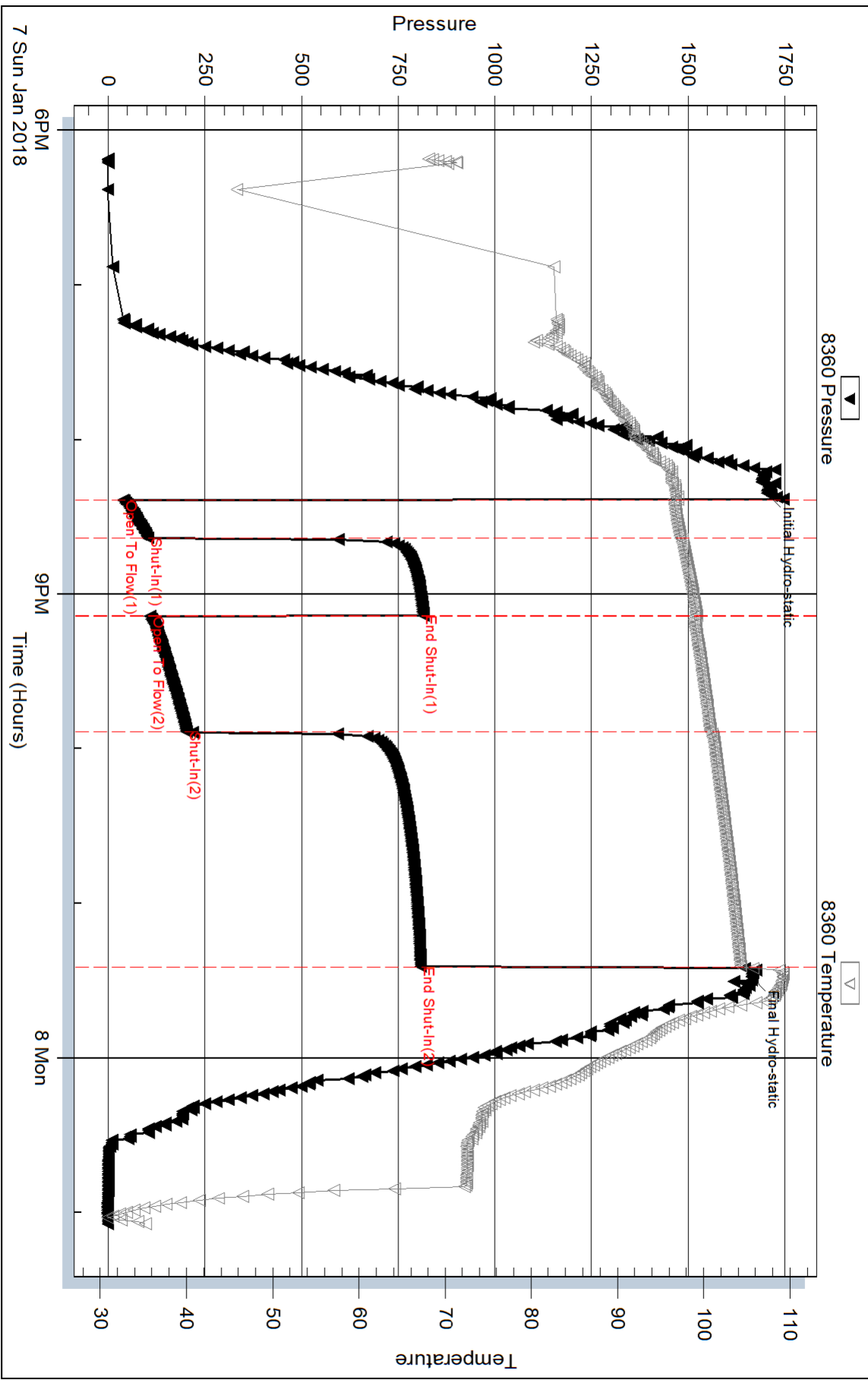
Inside

Coral Production Corporation

Bleker #18-1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63247

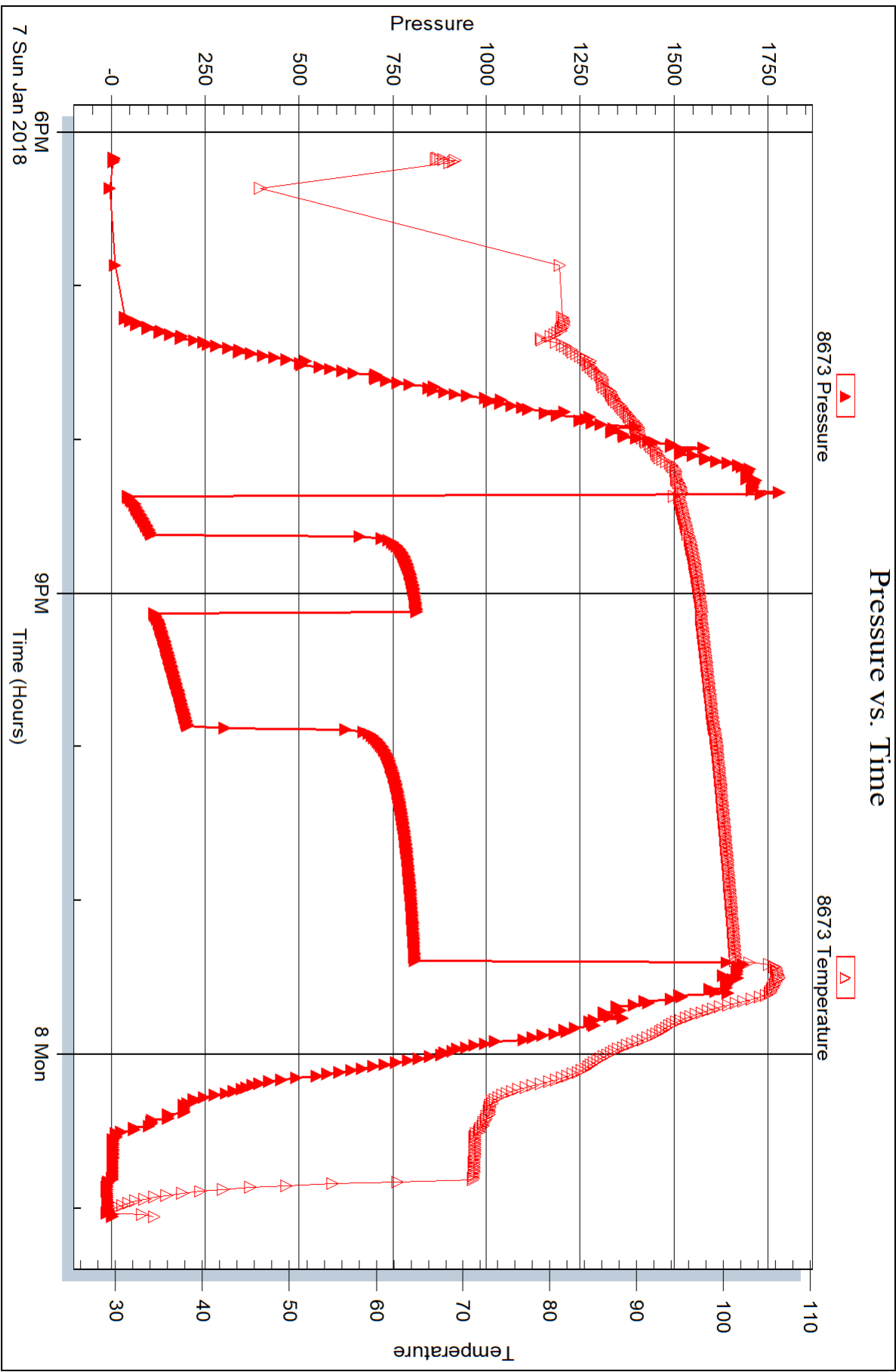
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Serial #: 8673

Outside Coral Production Corporation

Bleker #18-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO 80202-3133

ATTN: Jim Wieger, Pat Deen

Bieker #18-1

18-8s-23w Graham,KS

Start Date: 2018.01.08 @ 07:45:37

End Date: 2018.01.08 @ 14:37:31

Job Ticket #: 63248 DST #: 3

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

Printed: 2018.01.10 @ 08:46:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63248

DST#: 3

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.08 @ 07:45:37

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:41:32

Time Test Ended: 14:37:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: 3644.00 ft (KB) To 3681.00 ft (KB) (TVD)

Reference Elevations: 2232.00 ft (KB)

Total Depth: 3681.00 ft (KB) (TVD)

2224.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 86.90 psig @ 3650.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.08

End Date:

2018.01.08

Last Calib.:

2018.01.08

Start Time:

07:45:37

End Time:

14:37:31

Time On Btm:

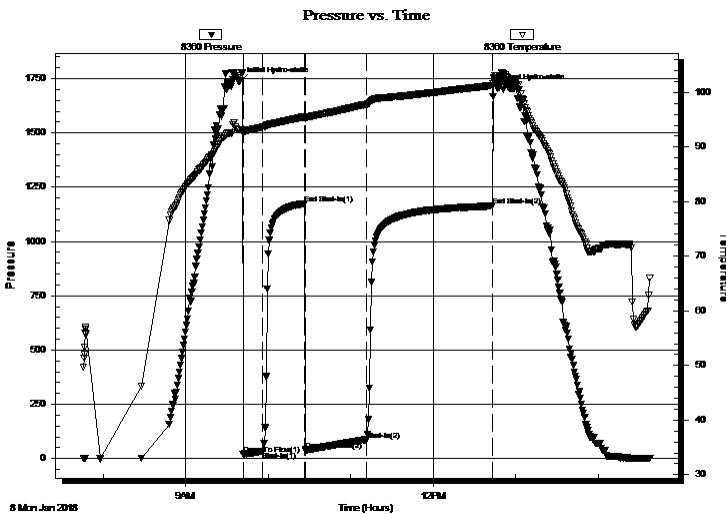
2018.01.08 @ 09:39:17

Time Off Btm:

2018.01.08 @ 12:46:46

TEST COMMENT: 15-IFP-w k to a gd bl 1/2" to 7 bl
30-ISIP-no bl bk
45-FFP-w k to BOB in 11 min
90-FSIP-surface bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.84	93.17	Initial Hydro-static
3	18.64	92.57	Open To Flow (1)
17	34.90	93.64	Shut-In(1)
47	1174.97	95.55	End Shut-In(1)
48	38.53	95.37	Open To Flow (2)
92	86.90	97.84	Shut-In(2)
184	1163.29	101.28	End Shut-In(2)
188	1703.18	103.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	MGO 20%G20%M60%O	0.28
165.00	CO	1.17
0.00	290' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63248

DST#: 3

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.08 @ 07:45:37

Tool Information

Drill Pipe:	Length: 3435.00 ft	Diameter: 3.80 inches	Volume: 48.18 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 218.00 ft	Diameter: 2.70 inches	Volume: 1.54 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 49.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3644.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3624.00	
Shut In Tool	5.00			3629.00	
Hydraulic tool	5.00			3634.00	
Packer	5.00			3639.00	21.00 Bottom Of Top Packer
Packer	5.00			3644.00	
Stubb	1.00			3645.00	
Perforations	5.00			3650.00	
Recorder	0.00	8360	Inside	3650.00	
Recorder	0.00	8673	Outside	3650.00	
Perforations	28.00			3678.00	
Bullnose	3.00			3681.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63248

DST#: 3

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.08 @ 07:45:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.53 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	MGO 20%G20%M60%O	0.283
165.00	CO	1.168
0.00	290' GIP	0.000

Total Length: 205.00 ft Total Volume: 1.451 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

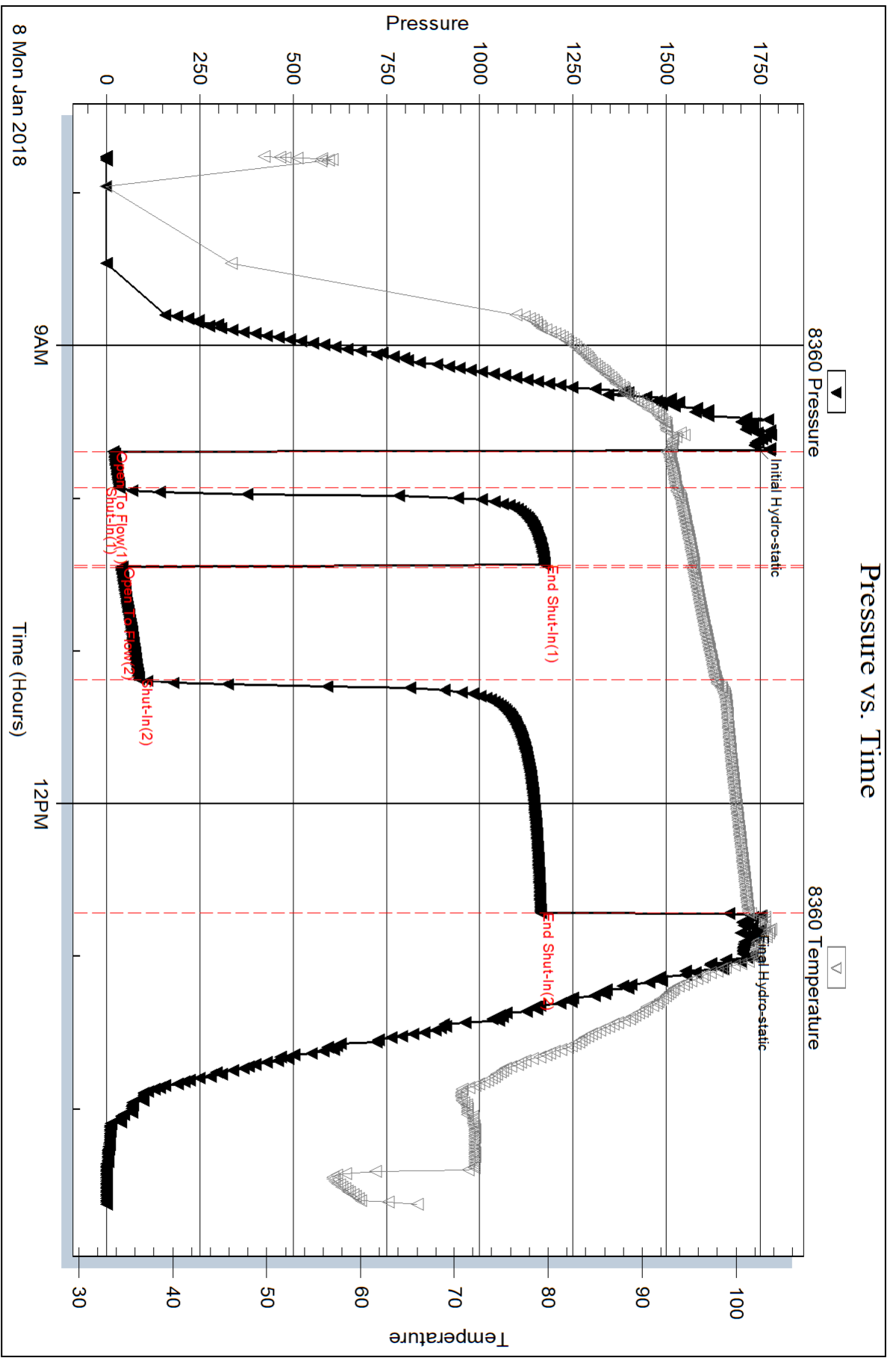
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Inside

Coral Production Corporation

Bieker #18-1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 63248

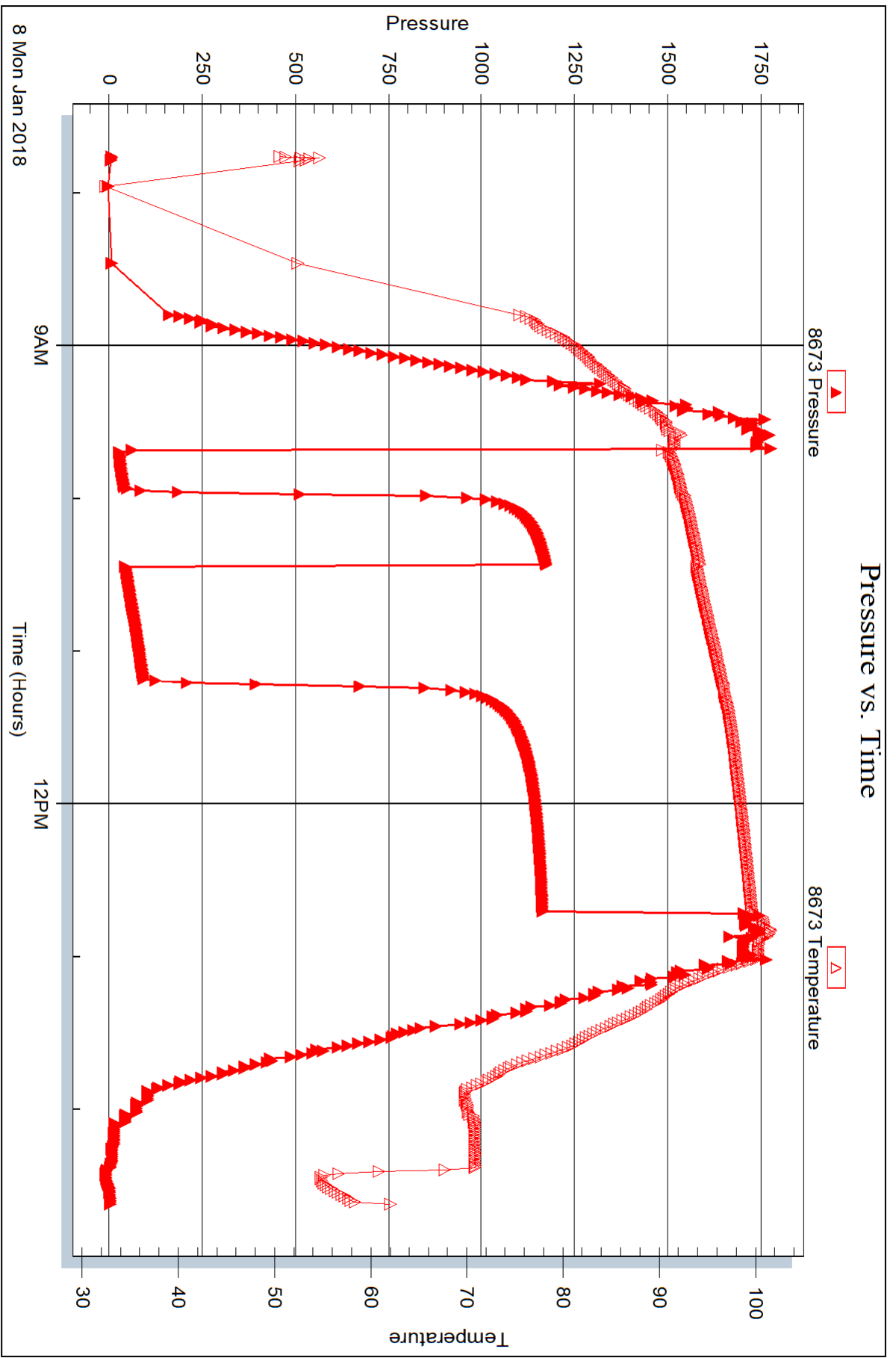
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Serial #: 8673

Outside Coral Production Corporation

Bleker #18-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63248

Printed: 2018.01.10 @ 08:46:45



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St. STE 1500
Denver CO 80202-3133

ATTN: Jim Wieger, Pat Deen

Bieker #18-1

18-8s-23w Graham,KS

Start Date: 2018.01.09 @ 01:45:16

End Date: 2018.01.09 @ 06:41:40

Job Ticket #: 63249 DST #: 4

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

Printed: 2018.01.10 @ 08:46:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63249

DST#: 4

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.09 @ 01:45:16

GENERAL INFORMATION:

Formation: **LKC J-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:56

Time Test Ended: 06:41:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: 3707.00 ft (KB) To 3742.00 ft (KB) (TVD)

Reference Elevations: 2232.00 ft (KB)

Total Depth: 3742.00 ft (KB) (TVD)

2224.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 21.94 psig @ 3713.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.09

End Date:

2018.01.09

Last Calib.:

2018.01.09

Start Time:

01:45:16

End Time:

06:41:40

Time On Btm:

2018.01.09 @ 03:25:11

Time Off Btm:

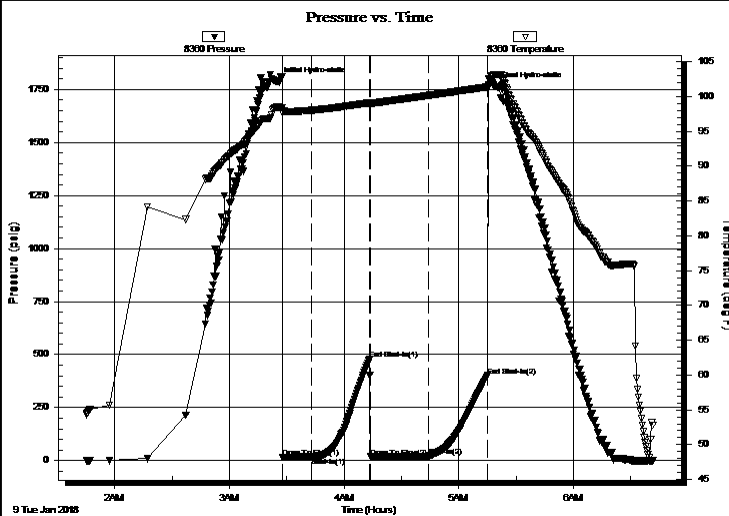
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TEST COMMENT: 15-IFP-w k bl thru-out 1/4" to 1/2" bl

30-ISIP-no bl bk

30-FFP-no bl

30-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.73	98.45	Initial Hydro-static
3	17.13	97.67	Open To Flow (1)
18	17.77	98.02	Shut-In(1)
48	477.50	99.10	End Shut-In(1)
49	18.72	98.99	Open To Flow (2)
79	21.94	100.15	Shut-In(2)
110	400.82	101.37	End Shut-In(2)
114	1762.29	103.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w / slight show of oil	0.01

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

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63249

DST#: 4

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.09 @ 01:45:16

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 218.00 ft	Diameter: 2.70 inches	Volume: 1.54 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 50.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3707.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3687.00	
Shut In Tool	5.00			3692.00	
Hydraulic tool	5.00			3697.00	
Packer	5.00			3702.00	21.00 Bottom Of Top Packer
Packer	5.00			3707.00	
Stubb	1.00			3708.00	
Perforations	5.00			3713.00	
Recorder	0.00	8360	Inside	3713.00	
Recorder	0.00	8673	Outside	3713.00	
Perforations	26.00			3739.00	
Bullnose	3.00			3742.00	35.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

18-8s-23w Graham,KS

1600 Stout St. STE 1500
Denver CO 80202-3133

Bieker #18-1

Job Ticket: 63249

DST#: 4

ATTN: Jim Wieger, Pat Deen

Test Start: 2018.01.09 @ 01:45:16

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.54 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud w / slight show of oil	0.014

Total Length: 2.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

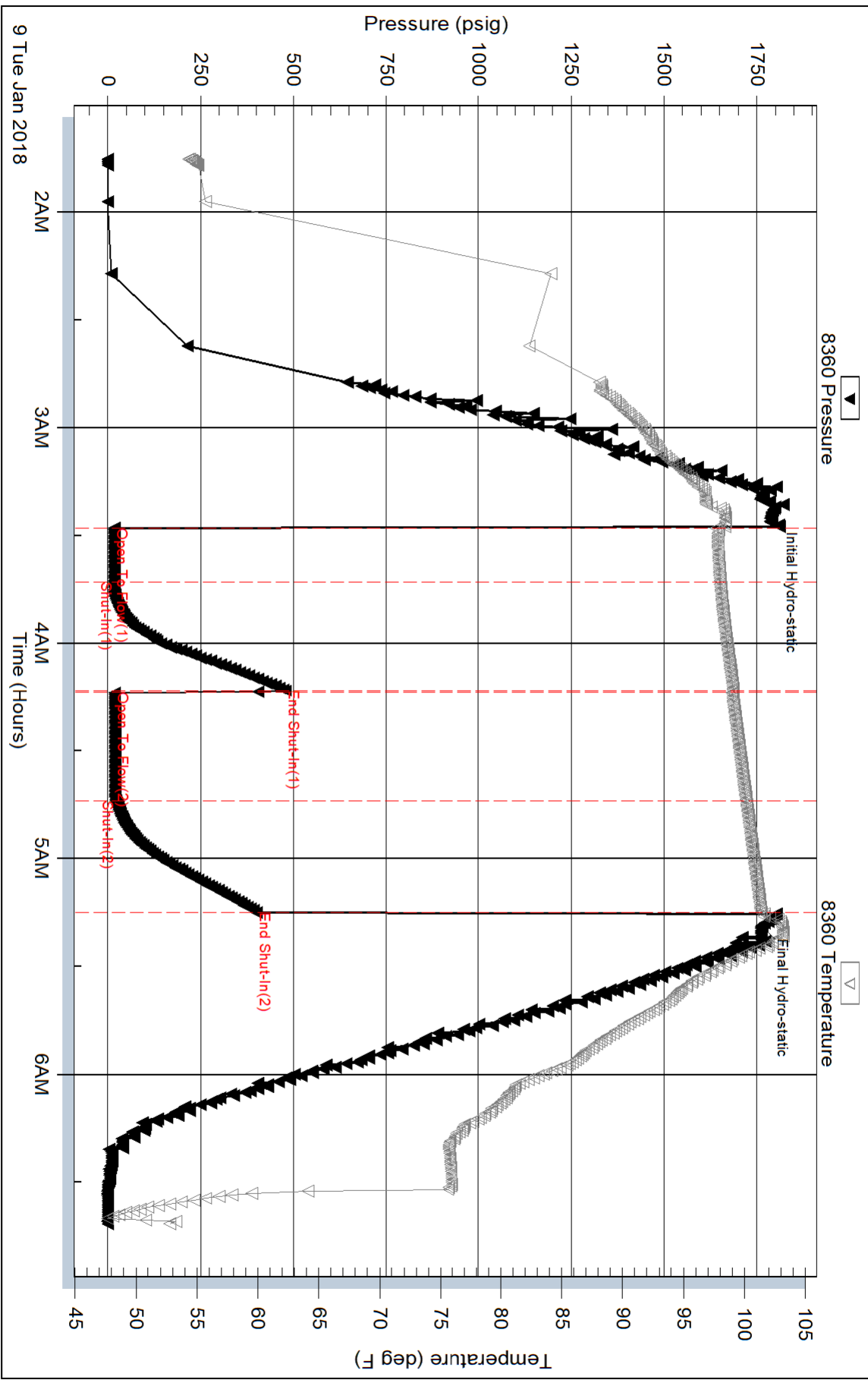
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

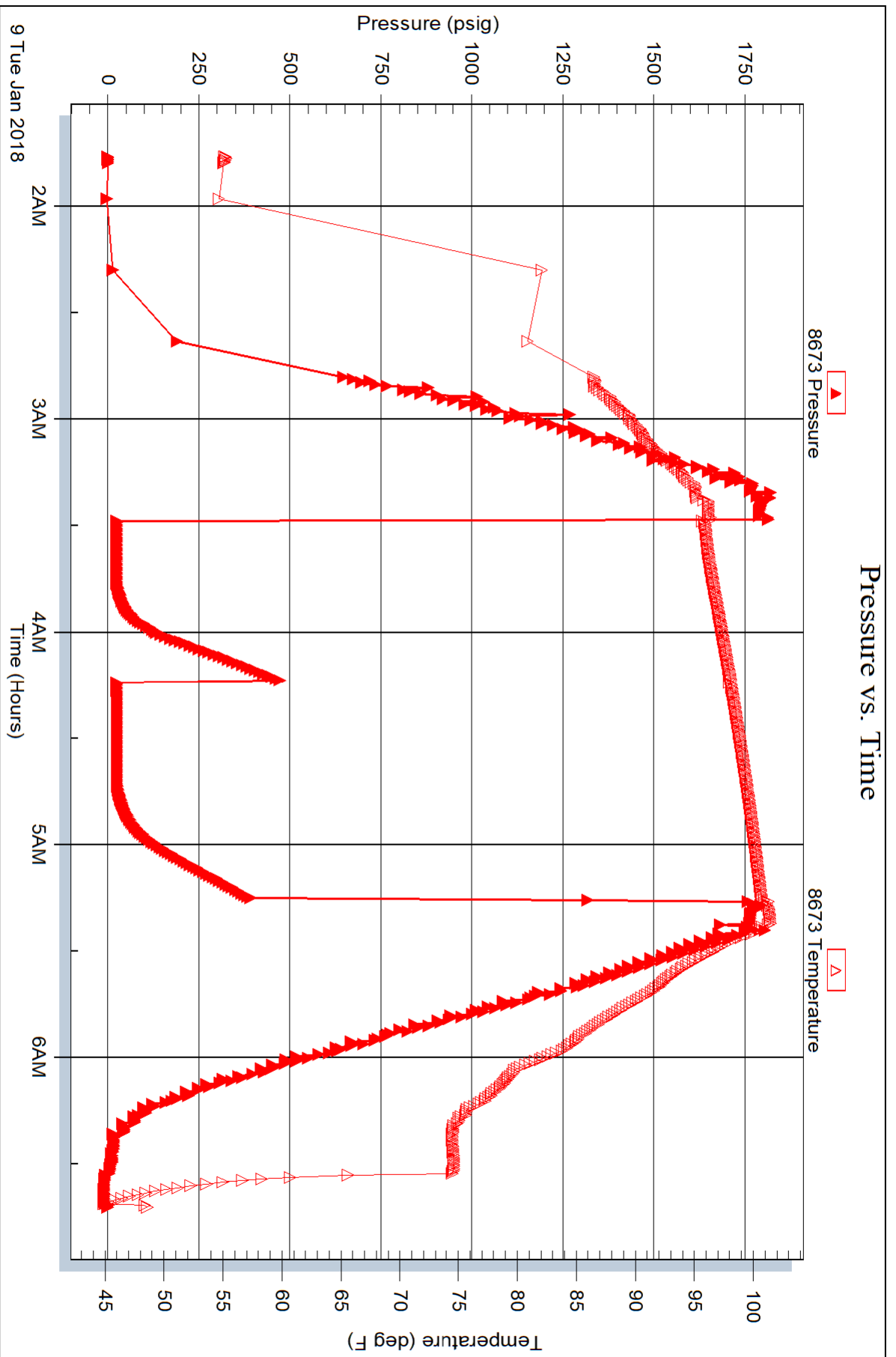


Serial #: 8673

Outside Coral Production Corporation

Bleker #18-1

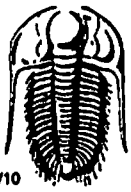
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63249

Printed: 2018.01.10 @ 08:46:20



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63246

Well Name & No. Breker # 18-1 Test No. 1 Date 1-6-18
 Company CORAL PRODUCTION CORPORATION Elevation 2232 KB 2224 GL
 Address 1600 STOUT ST, STE 1500 DENVER, CO 80202-3133
 Co. Rep / Geo. PAT O'NEILHAN Rig DISCOVERY rig 2
 Location: Sec. 18 Twp. 8^s Rge. 23^w Co. GRAHAM State KO

Interval Tested 3540-3578 Zone Tested LKC "A"
 Anchor Length 38 Drill Pipe Run 3312 Mud Wt. 9.1
 Top Packer Depth 3535 Drill Collars Run - Vis 53
 Bottom Packer Depth 3540 Wt. Pipe Run 218 WL 7.6
 Total Depth 3578 Chlorides 750 ppm System LCM 2#

Blow Description IFP - WEAK TO BOB IN 11 MIN
ISTP - NO BLOW BACK
FFP - WEAK TO BOB IN 20 MIN
FSTP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>60</u>	<u>SOC MW</u>	<u>1</u>	<u>70</u>	<u>29</u>	
<u>310</u>	<u>WATER</u>				

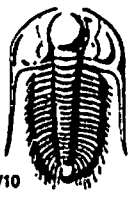
Rec Total 385 BHT 109 Gravity - API RW .11 @ 70 °F Chlorides 74000 ppm

(A) Initial Hydrostatic 1702 Test 1050 T-On Location 2320
 (B) First Initial Flow 29 Jars _____ T-Started 0135
 (C) First Final Flow 88 Safety Joint _____ T-Open 0340
 (D) Initial Shut-In 796 Circ Sub _____ T-Pulled 0640
 (E) Second Initial Flow 96 Hourly Standby _____ T-Out 0833
 (F) Second Final Flow 190 Mileage 128 RT 96
 (G) Final Shut-In 792 Sampler _____
 (H) Final Hydrostatic 1644 Straddle _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 90 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1396
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1396

Approved By _____ Our Representative RAY SCHWAGY *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. 63247

Well Name & No. Bicker #18-1 Test No. 2 Date 1-7-18
 Company CORAL PRODUCTION CORPORATION Elevation 2232 KB 2224 GL
 Address 1600 STOUT ST. STE 1500 DENVER, CO 80202-3133
 Co. Rep / Geo. SEAN DEENIHAN Rig DISCOVERY RIG 2
 Location: Sec. 18 Twp. 8^s Rge. 23^w Co. GRAHAM State KO

Interval Tested 3566-3645 Zone Tested LKC "F"
 Anchor Length 79 Drill Pipe Run 3341 Mud Wt. 9.1
 Top Packer Depth 3561 Drill Collars Run - Vis 50
 Bottom Packer Depth 3566 Wt. Pipe Run 218 WL 7.6
 Total Depth 3645 Chlorides 1500 ppm System LCM 1 1/2 #

Blow Description I/FP - WEAK TO BOB IN 15 MIN
I/SIP - NO BLOW BACK
F/P - WEAK TO BOB IN 25 MIN
F/SIP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Feet of MW w/show of oil</u>		<u>70</u>	<u>30</u>	
<u>370</u>	<u>Feet of WATER</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

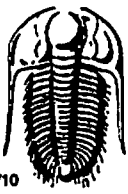
Rec Total 400 BHT 104 Gravity - API RW .15 @ 60 °F Chlorides 58000 ppm

(A) Initial Hydrostatic <u>1703</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1700</u>
(B) First Initial Flow <u>38</u>	<input type="checkbox"/> Jars	T-Started <u>1810</u>
(C) First Final Flow <u>102</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2025</u>
(D) Initial Shut-In <u>813</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2325</u>
(E) Second Initial Flow <u>108</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0104</u>
(F) Second Final Flow <u>202</u>	<input checked="" type="checkbox"/> Mileage <u>96</u>	Comments
(G) Final Shut-In <u>807</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1664</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1396</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1396</u>	

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

Approved By _____ Our Representative RAY SWAGAN **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. 63248

Well Name & No. Bicker #18-1 Test No. 3 Date 1-8-18
 Company CORAL PRODUCTION CORPORATION Elevation 2232 KB 2224 GL
 Address 1600 STOUT ST. STE 1500 DENVER, CO 80202-3133
 Co. Rep / Geo. Sean Deenihan Rig DISCOVERY 1192
 Location: Sec. 18 Twp. 8^s Rge. 23^w Co. GRAHAM State KO

Interval Tested 3644-3681 Zone Tested LKC "H"
 Anchor Length 37 Drill Pipe Run 3435 Mud Wt. 9.1
 Top Packer Depth 3439 Drill Collars Run - Vis 50
 Bottom Packer Depth 3644 Wt. Pipe Run 218 WL 7.6
 Total Depth 3681 Chlorides 1500 ppm System LCM 1 1/2 #

Blow Description IFP - WEAK TO A GOOD BLOW 1/2" TO 7" BLOW
ISIP - NO BLOW BACK
FFP - WEAK TO BOBIN 11 MIN
FSIP - SURFACE BLOW BACK

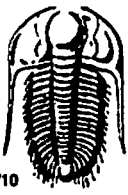
Rec	Feet of	%gas	%oil	%water	%mud
<u>290</u>	<u>GIP</u>				
<u>165</u>	<u>CO</u>				
<u>40</u>	<u>M60</u>	<u>26</u>	<u>60</u>		<u>20</u>

Rec Total 205 BHT 101 Gravity 41 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1736 Test 1050 T-On Location 0715
 (B) First Initial Flow 18 Jars _____ T-Started 0745
 (C) First Final Flow 34 Safety Joint _____ T-Open 0940
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 1240
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 1437
 (F) Second Final Flow 86 Mileage 96 Comments _____
 (G) Final Shut-In 1163 Sampler _____
 (H) Final Hydrostatic 1703 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1396
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1396

Approved By _____ Our Representative RAY SCHWAGER Thank 404

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. 63249

Well Name & No. Biekee #18-1 Test No. 4 Date 1-9-18
 Company CORAL PRODUCTION CORPORATION Elevation 2232 KB 2224 GL
 Address 1600 STOUT ST. STE 1500 DENVER, CO 80202-3133
 Co. Rep / Geo. Sean Oecahan Rig DISCOVERY r.g 2
 Location: Sec. 18 Twp. 8^s Rge. 23^w Co. GRAHAM State Ko

Interval Tested 3707-3742 Zone Tested LKC J-K
 Anchor Length 35 Drill Pipe Run 3488 Mud Wt. 9.1
 Top Packer Depth 3702 Drill Collars Run - Vis 53
 Bottom Packer Depth 3707 Wt. Pipe Run 218 WL 7.6
 Total Depth 3742 Chlorides 2500 ppm System LCM 1 1/2 #
 Blow Description I FP - Weak Blow thru-out 1/4" to 1/2" Blow
TSTP - NO BLOW
FFP - NO BLOW
FSTP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				
	<u>w/ slight slow of oil</u>				

Rec Total 2 BHT 101 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1786</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0105</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>0145</u>
(C) First Final Flow <u>17</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0330</u>
(D) Initial Shut-In <u>477</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0515</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0641</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>96</u>	Comments <u>Released, loaded Tool</u>
(G) Final Shut-In <u>400</u>	<input type="checkbox"/> Sampler	<u>12pm 9th</u>
(H) Final Hydrostatic <u>1762</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1396</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1396</u>	

Approved By _____ Our Representative Ray Schwager Thank you

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Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

Coral Production Corporation

COMPANY Coral Production Corporation
 LEASE Bieker #18-1
 FIELD Wildcat
 LOCATION 1620' FNL & 330' FEL
 SEC 18 TWPSP 8 S RGE 23 W
 COUNTY Graham STATE Kansas
 CONTRACTOR Discovery Drilling, Rig #2
 SPUD COMP 1/9/18
 RTD 3815' LTD 3816'
 MUD UP TYPE MUD Chemical
 SAMPLES SAVED FROM 3200' TO RTD
 DRILLING TIME KEPT FROM 3200' TO RTD
 SAMPLES EXAMINED FROM 3200' TO RTD
 GEOLOGICAL SUPERVISION FROM 3200'
 REFERENCE WELL

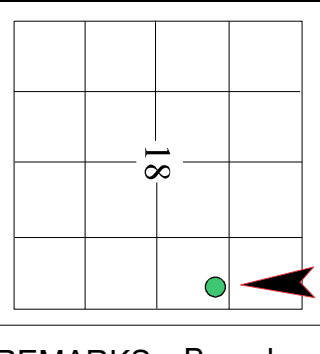
ELEVATIONS

KB 2232'
 DF
 GL 2224'

Measurements Are All From Kelly Bushing
CASING
 CONDUCTOR
 SURFACE 8-5/8" at 233'
 PRODUCTION 5.5"

ELECTRICAL SURVEYS
 ELL
 CND/DIL, MIC/SON

Formation	Sample Tops	E-log Tops	Strat Pos.
B/Anhydrite		1894 (+338)	
Heebner Sh.		3466 (-1234)	
Lansing		3504 (-1272)	
Lansing I		3647 (-1415)	
Lansing J		3663 (-1431)	
Stark Sh.		3675 (-1443)	
BKC		3710 (-1478)	



REMARKS Based on sample analysis, DST results, and log evaluation, the Bieker #18-1 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan

