

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224723
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: _____

1224723

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	Spangenberg 35-3
Doc ID	1224723

Tops

Name	Top	Datum
ANHYDRITE	837	1109
TOPEKA	3010	-1064
HEEBNER	3304	-1358
LANSING	3434	-1488
BKC	3656	-1710
PENN CGL	3677	-1731
VIOLA	3706	-1760
SIMPSON	3755	-1809
ARBUCKLE	3797	-1851



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St Ste 1500
Denver, CO 80202

ATTN: Tim Lauer

Spangenberg #35-3

35-21S-14W Stafford,KS

Start Date: 2014.09.19 @ 04:02:20

End Date: 2014.09.19 @ 10:01:05

Job Ticket #: 57762 DST #: 1

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

Printed: 2014.09.24 @ 14:43:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57762

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 04:02:20

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:49:35

Time Test Ended: 10:01:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 3568.00 ft (KB) To 3580.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3580.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 54.19 psig @ 3569.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.19

Last Calib.:

2014.09.19

Start Time: 04:02:21

End Time:

10:01:05

Time On Btm:

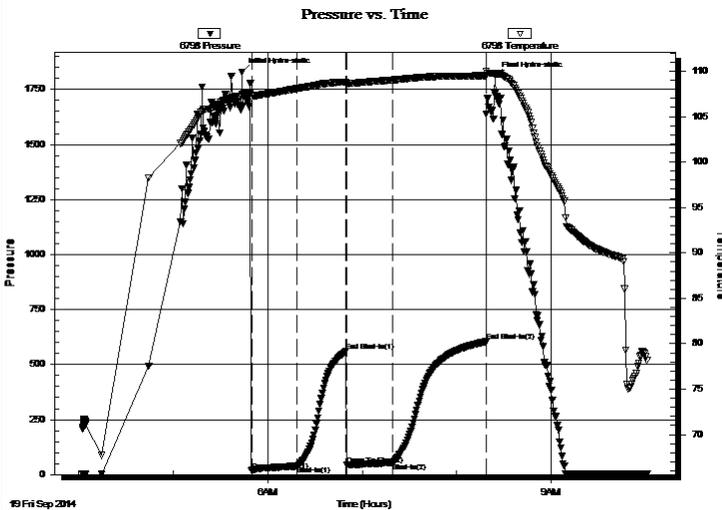
2014.09.19 @ 05:43:35

Time Off Btm:

2014.09.19 @ 08:24:20

TEST COMMENT: IF: Weak Blow , Built to 1 inch
IS: No Blow Back
FF: Weak Blow , Built to 1 inch
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.96	107.42	Initial Hydro-static
6	17.36	107.28	Open To Flow (1)
35	39.05	108.08	Shut-In(1)
66	560.83	108.83	End Shut-In(1)
67	43.68	108.64	Open To Flow (2)
96	54.19	109.03	Shut-In(2)
155	603.99	109.52	End Shut-In(2)
161	1812.68	109.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OWCM 10%O 44%W 46%M	0.32

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57762

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 04:02:20

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:49:35

Time Test Ended: 10:01:05

Interval: **3568.00 ft (KB) To 3580.00 ft (KB) (TVD)**

Total Depth: 3580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Reference Elevations: 1946.00 ft (KB)

1935.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 3569.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.19

Last Calib.:

2014.09.19

Start Time: 04:02:21

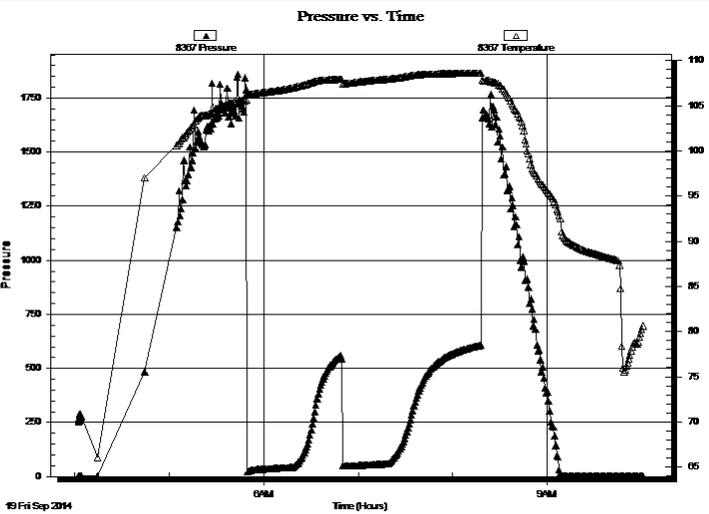
End Time:

10:00:50

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 1 inch
IS: No Blow Back
FF: Weak Blow , Built to 1 inch
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OWCM 10%O 44%W 46%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57762

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 04:02:20

Tool Information

Drill Pipe:	Length: 3297.00 ft	Diameter: 3.80 inches	Volume: 46.25 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 47.61 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3568.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3554.00	
Hydraulic tool	5.00			3559.00	
Packer	5.00			3564.00	19.00 Bottom Of Top Packer
Packer	4.00			3568.00	
Stubb	1.00			3569.00	
Recorder	0.00	6798	Inside	3569.00	
Recorder	0.00	8367	Outside	3569.00	
Perforations	8.00			3577.00	
Bullnose	3.00			3580.00	12.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57762

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 04:02:20

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:

68000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OWCM 10%O 44%W 46%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

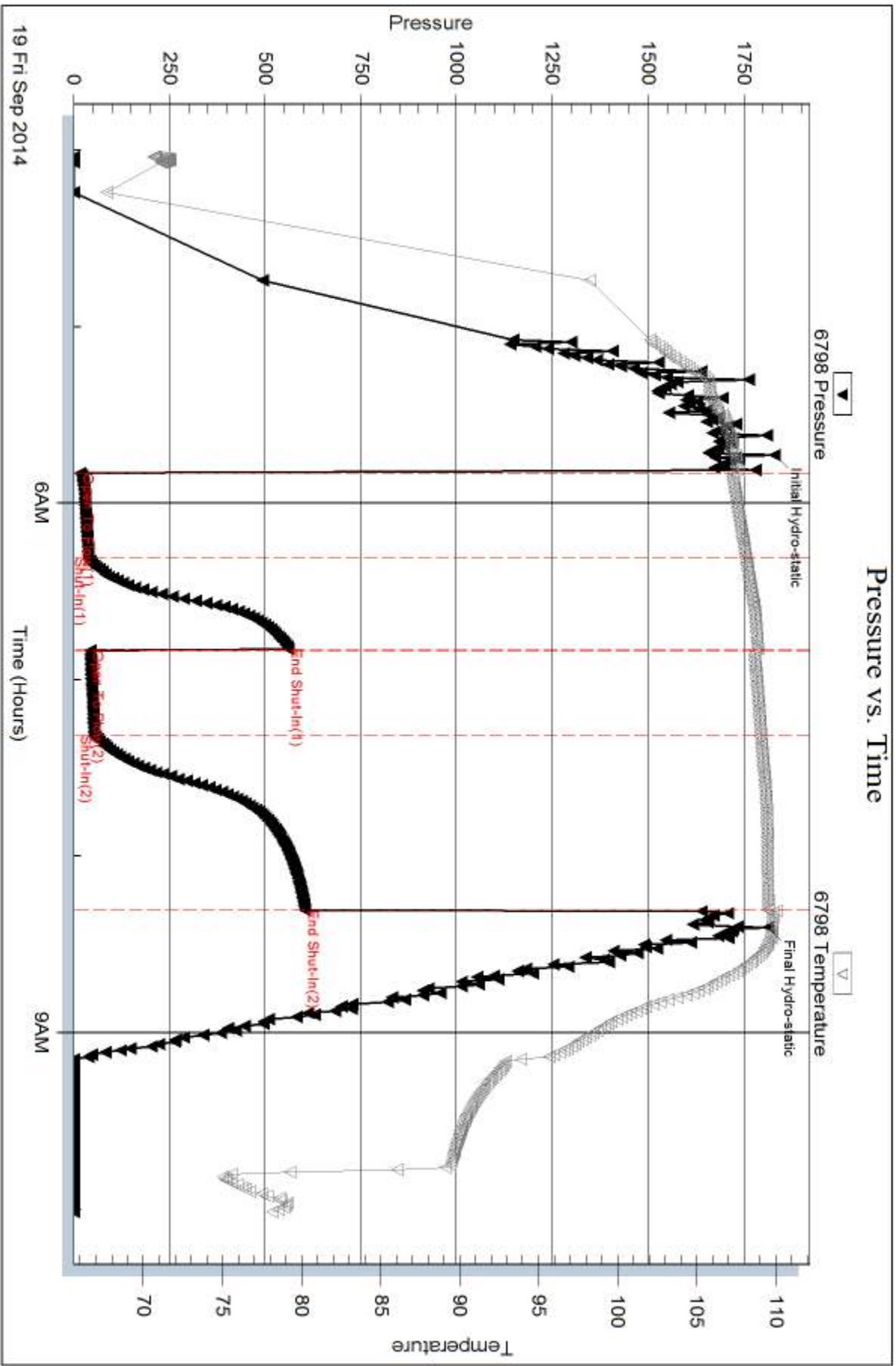
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .05 @ 70 degrees



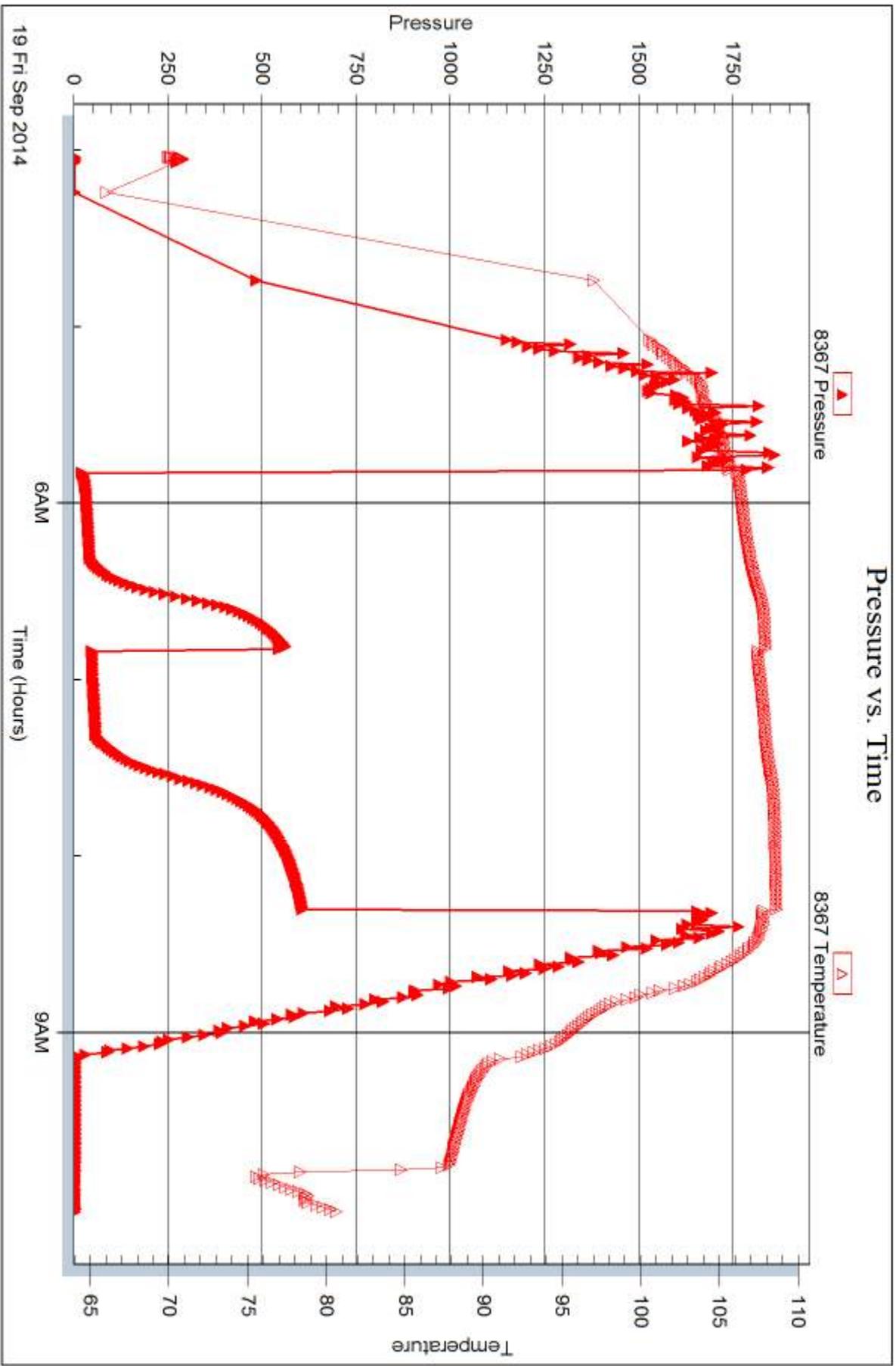
19 Fri Sep 2014

Serial #: 8367

Outside Coral Production Corporation

Spangenberg #35-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57762

Printed: 2014.09.24 @ 14:43:10



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St Ste 1500
Denver, CO 80202

ATTN: Tim Lauer

Spangenberg #35-3

35-21S-14W Stafford,KS

Start Date: 2014.09.19 @ 15:34:26

End Date: 2014.09.19 @ 22:20:11

Job Ticket #: 57763 DST #: 2

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

Printed: 2014.09.24 @ 14:42:52



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57763

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 15:34:26

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:27:26

Time Test Ended: 22:20:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 3588.00 ft (KB) To 3612.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3612.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 53.41 psig @ 3589.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.19

Last Calib.:

2014.09.19

Start Time:

15:34:27

End Time:

22:20:11

Time On Btm:

2014.09.19 @ 17:26:11

Time Off Btm:

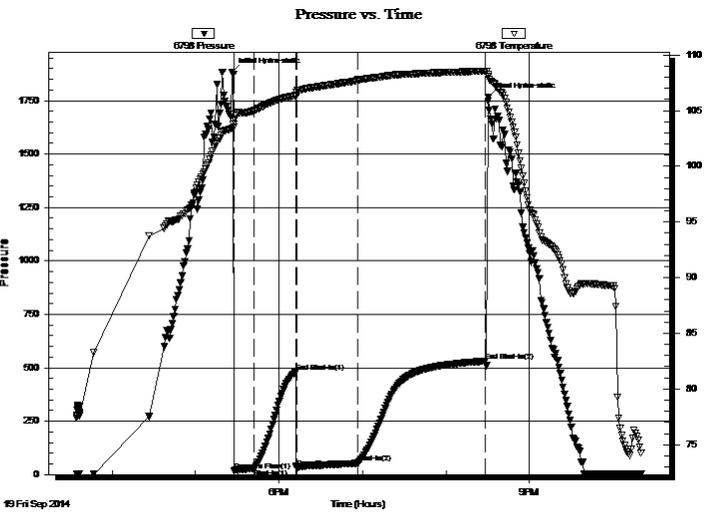
2014.09.19 @ 20:30:26

TEST COMMENT: IF: Fair Blow , Built to 4 inches

IS: No Blow Back

FF: Fair Blow , BOB in 35 minutes

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.06	103.47	Initial Hydro-static
2	17.11	103.52	Open To Flow (1)
16	28.77	105.00	Shut-In(1)
46	480.44	106.36	End Shut-In(1)
47	33.00	106.69	Open To Flow (2)
91	53.41	107.77	Shut-In(2)
183	530.88	108.56	End Shut-In(2)
185	1764.75	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	600 GIP	0.00
70.00	OMCW 24%O 36%M 40%W	0.34

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corporation

35-21S-14W Stafford, KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57763 **DST#: 2**

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 15:34:26

GENERAL INFORMATION:

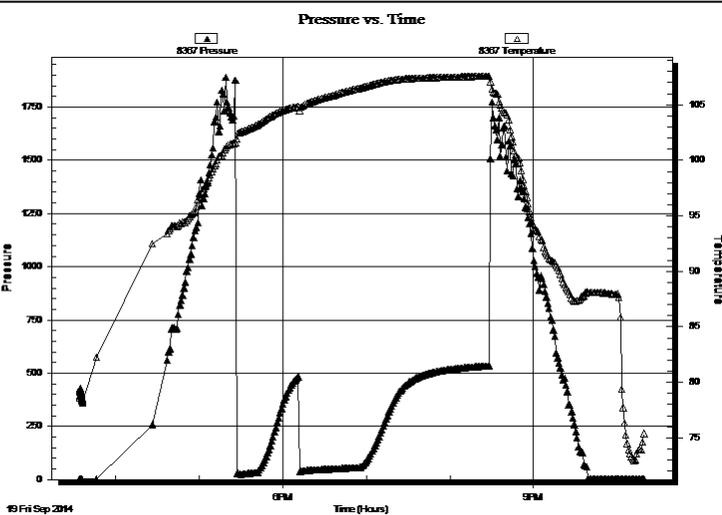
Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 17:27:26 Tester: Leal Cason
 Time Test Ended: 22:20:11 Unit No: 74
Interval: 3588.00 ft (KB) To 3612.00 ft (KB) (TVD)
 Reference Elevations: 1946.00 ft (KB)
 Total Depth: 3612.00 ft (KB) (TVD) 1935.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8367

Outside

Press@RunDepth: psig @ 3589.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.19 End Date: 2014.09.19 Last Calib.: 2014.09.19
 Start Time: 15:34:27 End Time: 22:19:56 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 4 inches
 IS: No Blow Back
 FF: Fair Blow , BOB in 35 minutes
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	600 GIP	0.00
70.00	OMCW 24%O 36%M 40%W	0.34

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

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57763

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 15:34:26

Tool Information

Drill Pipe:	Length: 3296.00 ft	Diameter: 3.80 inches	Volume: 46.23 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 47.59 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3588.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3574.00	
Hydraulic tool	5.00			3579.00	
Packer	5.00			3584.00	19.00 Bottom Of Top Packer
Packer	4.00			3588.00	
Stubb	1.00			3589.00	
Recorder	0.00	6798	Inside	3589.00	
Recorder	0.00	8367	Outside	3589.00	
Perforations	20.00			3609.00	
Bullnose	3.00			3612.00	24.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57763

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.09.19 @ 15:34:26

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:

60000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	600 GIP	0.000
70.00	OMCW 24%O 36%M 40%W	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

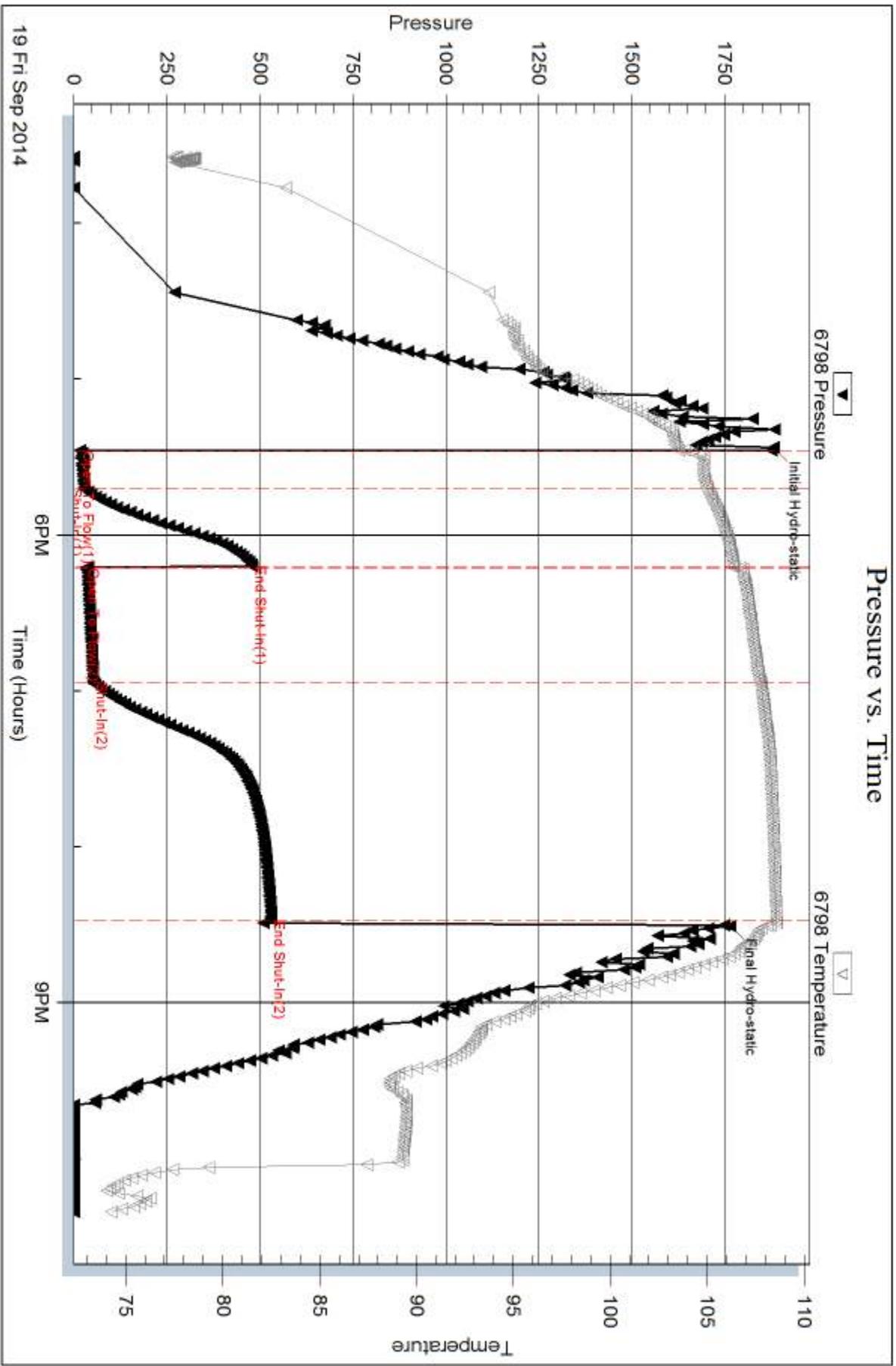
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .11 @ 81 degrees

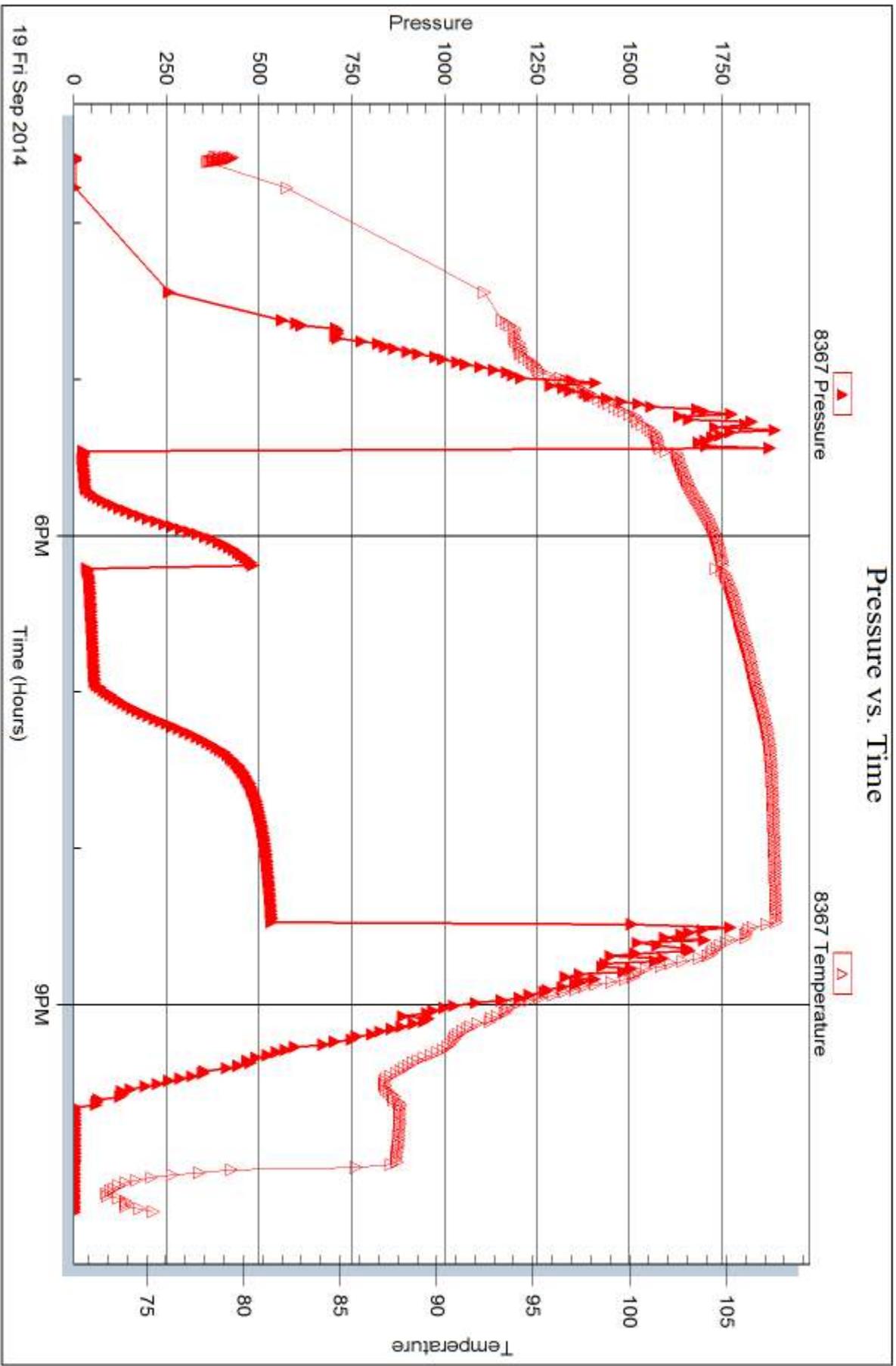


Serial #: 8367

Outside Coral Production Corporation

Spangenberg #35-3

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corporation**

1600 Stout St Ste 1500
Denver, CO 80202

ATTN: Tim Lauer

Spangenberg #35-3

35-21S-14W Stafford,KS

Start Date: 2014.09.20 @ 05:38:06

End Date: 2014.09.20 @ 12:46:13

Job Ticket #: 57764 DST #: 3

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

Printed: 2014.09.24 @ 14:42:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57764

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.09.20 @ 05:38:06

GENERAL INFORMATION:

Formation: **LKC "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:16:51

Time Test Ended: 12:46:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 3610.00 ft (KB) To 3655.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3665.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 196.25 psig @ 3611.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.20

End Date:

2014.09.20

Last Calib.:

2014.09.20

Start Time:

05:38:07

End Time:

12:46:13

Time On Btm:

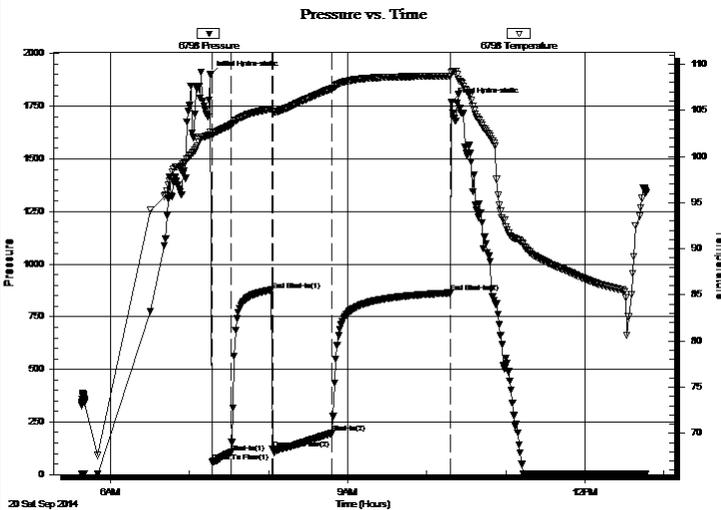
2014.09.20 @ 07:15:51

Time Off Btm:

2014.09.20 @ 10:18:51

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes
IS: Weak Surface Blow Back
FF: Strong Blow , BOB in 2 minutes
FS: 4 inch Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.67	102.59	Initial Hydro-static
1	62.27	102.27	Open To Flow (1)
16	105.14	103.43	Shut-In(1)
47	877.05	105.15	End Shut-In(1)
47	120.79	104.88	Open To Flow (2)
93	196.25	107.35	Shut-In(2)
182	863.19	108.73	End Shut-In(2)
183	1771.29	109.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	882 GIP	0.00
945.00	Gassy Oil 30%G 70%O	10.74

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corporation

1600 Stout St Ste 1500
Denver, CO 80202

ATTN: Tim Lauer

35-21S-14W Stafford,KS

Spangenberg #35-3

Job Ticket: 57764

DST#: 3

Test Start: 2014.09.20 @ 05:38:06

GENERAL INFORMATION:

Formation: **LKC "K-L"**

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 07:16:51 Tester: Leal Cason

Time Test Ended: 12:46:13 Unit No: 74

Interval: 3610.00 ft (KB) To 3655.00 ft (KB) (TVD) Reference Elevations: 1946.00 ft (KB)

Total Depth: 3665.00 ft (KB) (TVD) 1935.00 ft (CF)

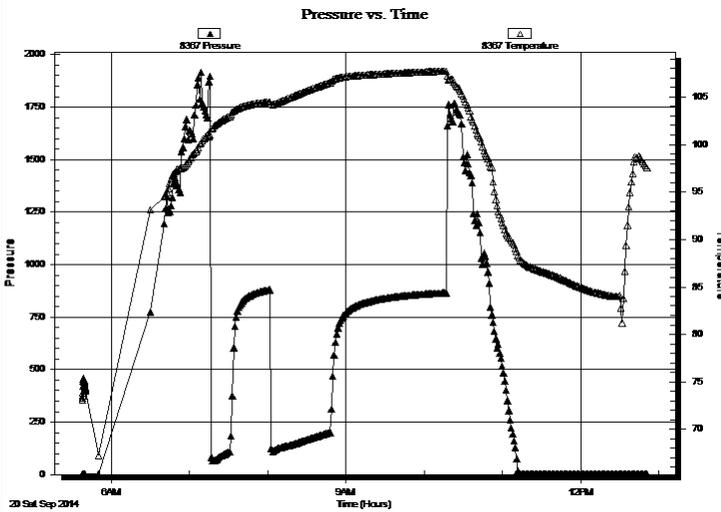
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8367

Outside

Press@RunDepth: psig @ 3611.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.09.20 End Date: 2014.09.20	Last Calib.: 2014.09.20
Start Time: 05:38:07 End Time: 12:51:21	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes
IS: Weak Surface Blow Back
FF: Strong Blow , BOB in 2 minutes
FS: 4 inch Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	882 GIP	0.00
945.00	Gassy Oil 30%G 70%O	10.74

* 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

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57764

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.09.20 @ 05:38:06

Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 48.04 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3610.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			3596.00	
Hydraulic tool	5.00			3601.00	
Packer	5.00			3606.00	19.00 Bottom Of Top Packer
Packer	4.00			3610.00	
Stubb	1.00			3611.00	
Recorder	0.00	6798	Inside	3611.00	
Recorder	0.00	8367	Outside	3611.00	
Perforations	3.00			3614.00	
Change Over Sub	1.00			3615.00	
Drill Pipe	31.00			3646.00	
Change Over Sub	1.00			3647.00	
Perforations	15.00			3662.00	
Bullnose	3.00			3665.00	55.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corporation

35-21S-14W Stafford,KS

1600 Stout St Ste 1500
Denver, CO 80202

Spangenberg #35-3

Job Ticket: 57764

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.09.20 @ 05:38:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	882 GIP	0.000
945.00	Gassy Oil 30%G 70%O	10.742

Total Length: 945.00 ft Total Volume: 10.742 bbl

Num Fluid Samples: 0

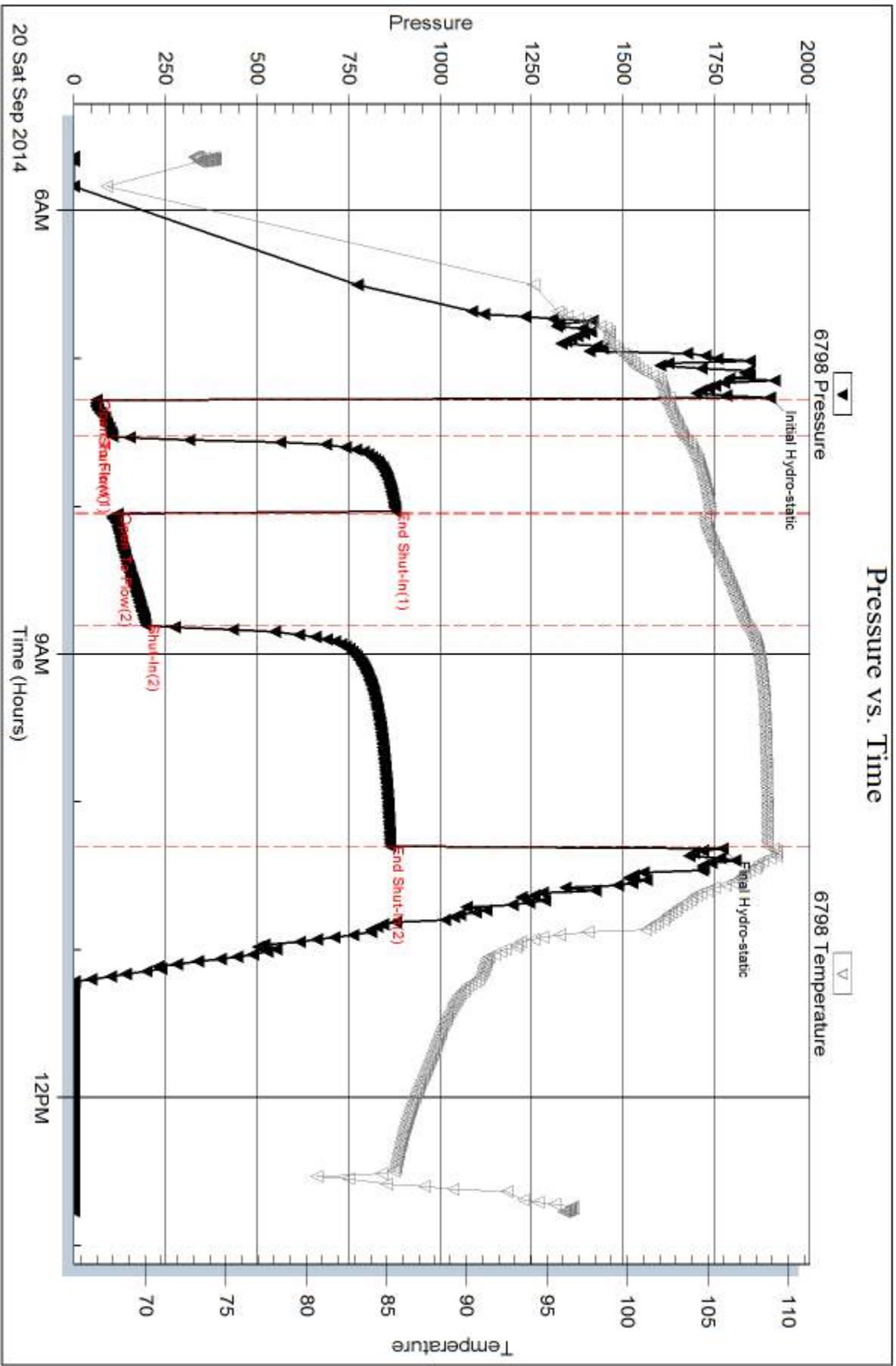
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 29.8 @ 90 degrees

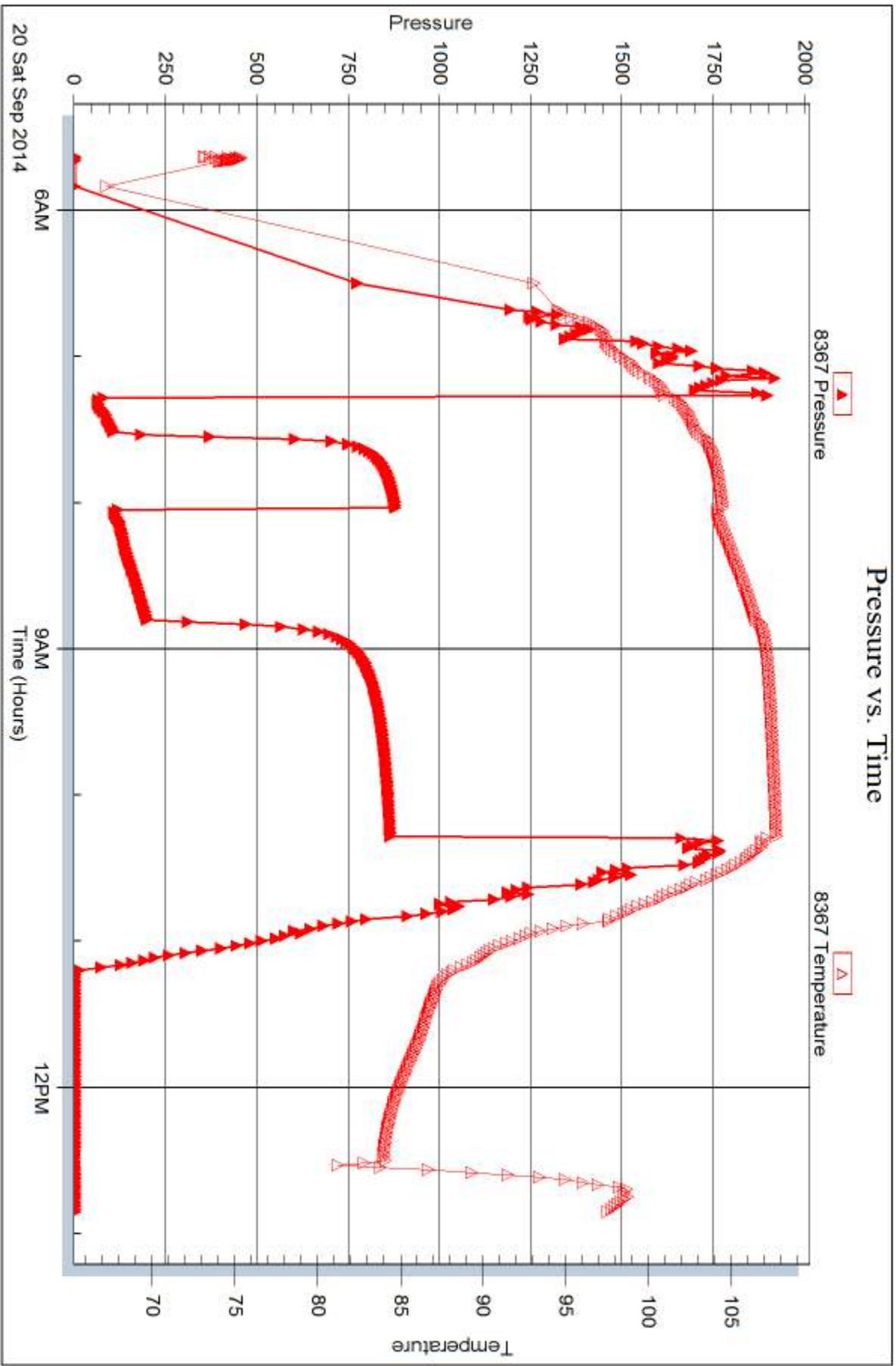


Serial #: 8367

Outside Coral Production Corporation

Spangenberg #35-3

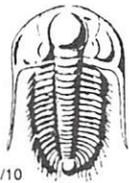
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 57764

Printed: 2014.09.24 @ 14:42:37



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57762

Well Name & No. Spangenberg 35-3 Test No. 1 Date 09/19/14
 Company Coral Production Corporation Elevation 1946 KB 1935 GL
 Address 1600 Stout St Ste 1500 Denver, CO 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 21
 Location: Sec. 35 Twp. 21S Rge. 14W Co. Stafford State KS

Interval Tested 3568 - 3580 Zone Tested Lansing "I"
 Anchor Length 12 Drill Pipe Run 3297 ~~3297~~ Mud Wt. 9.1
 Top Packer Depth 3563 Drill Collars Run 276 ~~348~~ Vis 51
 Bottom Packer Depth 3568 Wt. Pipe Run 0 WL 7.2
 Total Depth 3580 Chlorides 4000 ppm System LCM 1/2

Blow Description IF: weak Blow, Built to 1 inch
ISI: NO BLOW BACK
FF: weak Blow, Built to 1 inch
FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>OWCM</u>	<u>10</u>	<u>44</u>	<u>46</u>	<u>46</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

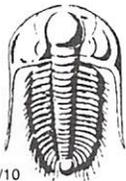
Rec Total 65 BHT 110 Gravity N/C API RW .65 @ 70° F Chlorides 68000 ppm

(A) Initial Hydrostatic 1830 Test 1150 T-On Location 01:45
 (B) First Initial Flow 17 Jars _____ T-Started 04:02
 (C) First Final Flow 39 Safety Joint _____ T-Open 05:49
 (D) Initial Shut-In 581 Circ Sub _____ T-Pulled 08:18
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 10:01
 (F) Second Final Flow 54 Mileage (80) 35rt 54.25 Comments _____
 (G) Final Shut-In 604 Sampler _____
 (H) Final Hydrostatic 1813 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1204.25
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1204.25

Approved By Tim J. Lauer Our Representative _____

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **57763**

4/10

Well Name & No. Spangenberg 35-3 Test No. 2 Date 09/19/14
 Company Coral Production Corporation Elevation 1946 KB 1935 GL
 Address 1600 Stout St Ste 1500 Denver, CO 80202
 Co. Rep / Geo. Tim Lauer Rig MURFIN 21
 Location: Sec. 35 Twp. 21S Rge. 14W Co. Stafford State KS

Interval Tested 3588 - 3612 Zone Tested Lansing "J"
 Anchor Length 24 Drill Pipe Run 3296 Mud Wt. 9.3
 Top Packer Depth 3583 Drill Collars Run 276 Vis 55
 Bottom Packer Depth 3588 Wt. Pipe Run 0 WL 6.8
 Total Depth 3612 Chlorides 3000 ppm System LCM 1

Blow Description IF: Fair Blow, Built to 4 inches
ISI: NO Blow Back

FF: Fair Blow, BOB in 35 minutes

FSE: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>600</u>	<u>GIP</u>				
<u>70</u>	<u>OMCW</u>		<u>24</u>	<u>40</u>	<u>36</u>

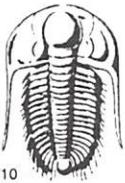
Rec Total 70 BHT 109 Gravity NIC API RW .11 @ 81 °F Chlorides 60,000 ppm

(A) Initial Hydrostatic 1882 Test 1150 T-On Location 15:15
 (B) First Initial Flow 17 Jars _____ T-Started 15:34
 (C) First Final Flow 29 Safety Joint _____ T-Open 17:27
 (D) Initial Shut-In 480 Circ Sub _____ T-Pulled 20:28
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 22:20
 (F) Second Final Flow 53 Mileage (80) 54.25 Comments _____
 (G) Final Shut-In 531 Sampler _____
 (H) Final Hydrostatic 1765 Straddle _____ Ruined Shale Packer _____

Initial Open 15 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 90 Day Standby _____ Total 1204.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1204.25

Approved By Tim Lauer Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57764

4/10

Well Name & No. Spangenberg 35-3 Test No. 3 Date 09/20/14
 Company coral Production Corporation Elevation 1946 KB 1935 GL
 Address 1600 Stout St Ste 1500 Denver, CO 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin 21
 Location: Sec. 35 Twp. 21S Rge. 14W Co. Stafford State KS

Interval Tested 3610 - 3665 Zone Tested Lansing "K+L"
 Anchor Length 55 Drill Pipe Run 3328 Mud Wt. 9.3
 Top Packer Depth 3605 Drill Collars Run 276 Vis 55
 Bottom Packer Depth 3610 Wt. Pipe Run 0 WL 6.8
 Total Depth 3665 Chlorides 3000 ppm System LCM 1#

Blow Description IF: Strong Blow, BOB in 3 minutes
ISI: weak surface Blow Back

FF: strong Blow, BOB in 2 minutes

FSI: 4 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>882</u>	<u>GIP</u>				
<u>945</u>	<u>GSP oil</u>	<u>30</u>	<u>70</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 945 BHT 109 Gravity 26.8 API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic	<u>1899</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>05:15</u>
(B) First Initial Flow	<u>62</u>	<input type="checkbox"/> Jars		T-Started	<u>05:38</u>
(C) First Final Flow	<u>105</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>07:16</u>
(D) Initial Shut-In	<u>877</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>10:17</u>
(E) Second Initial Flow	<u>121</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>12:46</u>
(F) Second Final Flow	<u>196</u>	<input checked="" type="checkbox"/> Mileage	<u>80</u> 54.25	Comments	
(G) Final Shut-In	<u>863</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1771</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
Initial Open	<u>15</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby		Total	<u>1204.25</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1204.25</u>		

Approved By Tim J. Lauer Our Representative [Signature]

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Tim J. Lauer

Petroleum Geologist

Office 316.832.0530
Cell 316.253.1275

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Coral Production Corporation		
LEASE	#35-3 Spangenberg		
FIELD	650' FNL, 1950' FWL, NW/4		
LOCATION	650' FNL, 1950' FWL, NW/4		
SEC	35	TWSP	21s
RGE	14w		
COUNTY	Stafford	STATE	Kansas
CONTRACTOR	Murfin Drilling Rig #21		
SPUD	9-15-2014	COMP	9-21-2014
RTD	3810'	LTD	3807'
MUD UP	2715	TYPE MUD	Chemical

ELEVATIONS

KB 1946'
DF
GL 1935'

Measurements Are All From Kelly Bushing

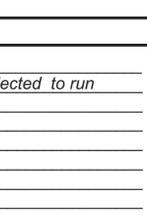
CASING

CONDUCTOR
SURFACE 8-5/8" @ 865'
PRODUCTION 5-1/2" @ 3807'

ELECTRICAL SURVEYS

Nabors: DPL, DIL, ML (Engr: Jeff Lubbers)

FORMATION TOPS	ELECTRIC LOG	SAMPLE LOG
Topeka	3010 (-1064)	3011 (-1065)
Heebner	3304 (-1358)	3305 (-1359)
Lansing	3434 (-1488)	3434 (-1488)
Base Ks. City	3656 (-1710)	3658 (-1712)
Penn Cgl	3677 (-1731)	3680 (-1734)
Viola	3706 (-1760)	3708 (-1762)
Simpson Shale	3755 (-1809)	3757 (-1811)
Arbuckle	3797 (-1851)	3799 (-1853)
Total Depth	3807 (-1861)	3810 (-1864)



ELEVATIONS
KB 1946'
GL 1935'
COMPANY & WELL Coral Prod #35-3 Spangenberg
LOCATION 650' FNL, 1950' FWL, NW/4
SEC 35 TWSP Stafford STATE Kansas

REMARKS

Due to structural position and drill stem test results, operator elected to run production casing to further test the location.

Respectfully submitted,

Tim J. Lauer
9/22/2014

LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite

SAMPLE DESCRIPTION

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

DEPTH

REMARKS

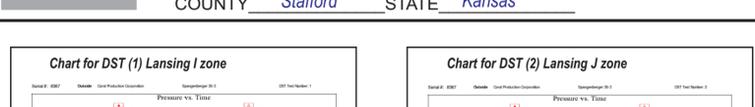
DEPTH	SAMPLE DESCRIPTION	REMARKS
2900'	Sh; med-drk.gry, silty, s. mica IP, some platy. Ls; buff-dk.gry, mott. foss., micro-fnxn., most dns, scat. mly. txt. w/br IXLN por, NSFO, n. flor., n. stn., n. odor.	SPUD 6:15 PM 9-15-2014 RTD 10:30 PM 9-20-2014 "BIT RECORD" 1.) HTO DP506 (RR-PDC) Under surface to 2904' 2.) HTO GX20C (New) 2904' to 3810' "VERTICAL SURVEYS" 0.2' @ 341' 0.6' @ 866' 0.4' @ 1379' 0.2' @ 2396' 0.3' @ 2904' 0.9' @ 3580' 1.2' @ 3810' 9-15-2014 - MIRT, RURT Spud @ 8:00 PM 9-16-2014 - 7:00 AM PTD @ 866' Prep to set 8 5/8" @ 865 9-17-2014 - 7:00 AM Drlg @ 1654' 9-18-2014 - 7:00 AM Drlg @ 3085' 9-19-2014 - 7:00 AM PTD @ 3580' Running DST (1) 9-20-2014 - 7:00 AM PTD @ 3612' Running DST (2) 9-21-2014 - 7:00 AM RTD @ 3810' Running Superior OH Logs (DPL, DIL and Microlog) 9-22-2014 - 7:00 AM Set 5 1/2" prod csg @ 3807' Plug dn 5:15 PM 9-21-2014 <i>Pipe Strap on Bit Trip Board: 2904.85' Strap: 2904.87' Diff: 0.02' long</i> <i>Mud Check at 3200: (After displac and inf. mud+up) vis: 51 wt: 9.1 Chlor: 4.000 LCM: 1/2# Ph: 8.0 WL: 7.2 (displace native fluid @ 2715)</i> <i>Geologist on location 3185' 9:30 AM 9-18-2014</i> <i>Mud Check at 3200: (After displac and inf. mud+up) vis: 51 wt: 9.1 Chlor: 4.000 LCM: 1/2# Ph: 8.0 WL: 7.2 (displace native fluid @ 2715)</i> <i>21 Stand Short Trip at 3580' drag 20-50K over on stangs 5-16</i> <i>Mud Check at 3580 during DST: vis: 55 wt: 9.3 Chlor: 3.000 LCM: 1# Ph: 8.0 WL: 6.8</i> DST (1) 3568'-3580' 30-30-30-60 <i>Blow: weak, built to 1" on IFP no blowback on ISIP weak, built to 1" on FFP no blowback on FSIP</i> 65' OWC <i>IHP: 1830 FFP: 44-54 IFP: 17-29 FSIP: 604' ISIP: 581' FHP: 1813</i> <i>Temp: 110°F</i> <i>Chlorides MUD: 3,000 PPM DST: 68,000 PPM</i> <i>Rst = 0.05 Ohms @ 70°F</i> <i>Gravity: NA</i> <i>(Oil appears heavy and sticky)</i> <i>*Note: ISIP bldg, but began break over FSIP broken over but still bldg</i> <i>Mud Check at 3585: LCM: 1/6 # Ph: 9.3 Chlor: 6.000 vis: 46 wt: 9.1 Ph: 9.5 WL: 9.6</i> DST (2) 3588'-3612' 15-30-45-90 <i>Blow: fair, built to 4" on IFP no blowback on ISIP fair to strong, BOB in 35 min on FFP, no blowback on FSIP</i> 60' OWC <i>IHP: 1822 FFP: 44-54 IFP: 17-29 FSIP: 604' ISIP: 581' FHP: 1765</i> <i>Temp: 109°F</i> <i>Chlorides MUD: 6,000 PPM DST: 60,000 PPM</i> <i>Rst = 0.11 Ohms @ 81°F</i> <i>Gravity: NA</i> <i>(Oil appears heavy and sticky)</i> <i>*Note: ISIP bldg, about to break over FSIP broken over</i> <i>Mud Check at 3665 during DST: vis: 62 wt: 9.4 Chlor: 7.000 LCM: 1# Ph: 8.0 WL: 9.2</i> DST (3) 3610'-3665' 15-30-45-90 <i>Blow: strong, BOB in 3 min on IFP weak surface blowback on ISIP strong, BOB in 2 min on FFP built to 4" blowback on FSIP</i> 882' G.O.P <i>(30% gas, 70% oil, 0% mud, 0% wtr)</i> <i>IHP: 1899 FFP: 121-196 IFP: 62-105 FSIP: 873 ISIP: 877 FHP: 1863</i> <i>Temp: 109°F</i> <i>Chlorides MUD: 7,000 PPM DST: NA</i> <i>Rst = NA</i> <i>Gravity: 26.8° API corrected</i> <i>Both SIP curves broken over</i> <i>Rot TD reached 10:30 PM 9/20/2014</i> <i>Mud Check at 3810 after log: vis: 55 wt: 9.3 Chlor: 6.000 LCM: 1# Ph: 8.0 WL: 8.8</i>

COMPANY & WELL

LOCATION 650' FNL, 1950' FWL of NW/4
SEC 35 TWSP 21s RGE 14w
COUNTY Stafford STATE Kansas

ELEVATIONS

KB 1946'
GL 1935'



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. 636

Date	9-16-14	Sec.	35	Twp.	21	Range	14	County	Stafford	State	KS	On Location		Finish	9:20 AM
------	---------	------	----	------	----	-------	----	--------	----------	-------	----	-------------	--	--------	---------

Location 281-K19 SW 2N 1/2E Sinto

Lease	SPangenberg	Well No.	35-3	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	Martin		21	Charge To	Coral Production Corporation
Type Job	Surface	T.D.	866	Street	
Hole Size	12 1/4	Depth	869	City	
Csg.	8 5/8	Depth		State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	450 6 0/40 3%cc 2%gel
Cement Left in Csg.	42 1/4	Shoe Joint	42 1/2	1/2 lb flow seal	150 com 3%cc 2%gel 1/2 lb flow seal
Meas Line		Displace	52 1/2	Common	420

EQUIPMENT

Pumptrk	10	No.	Cement Helper	Bills	Rick	Poz. Mix	180
Bulktrk	21	No.	Driver	Tyler		Gel.	11
Bulktrk	3	No.	Driver	Doug		Calcium	22

JOB SERVICES & REMARKS

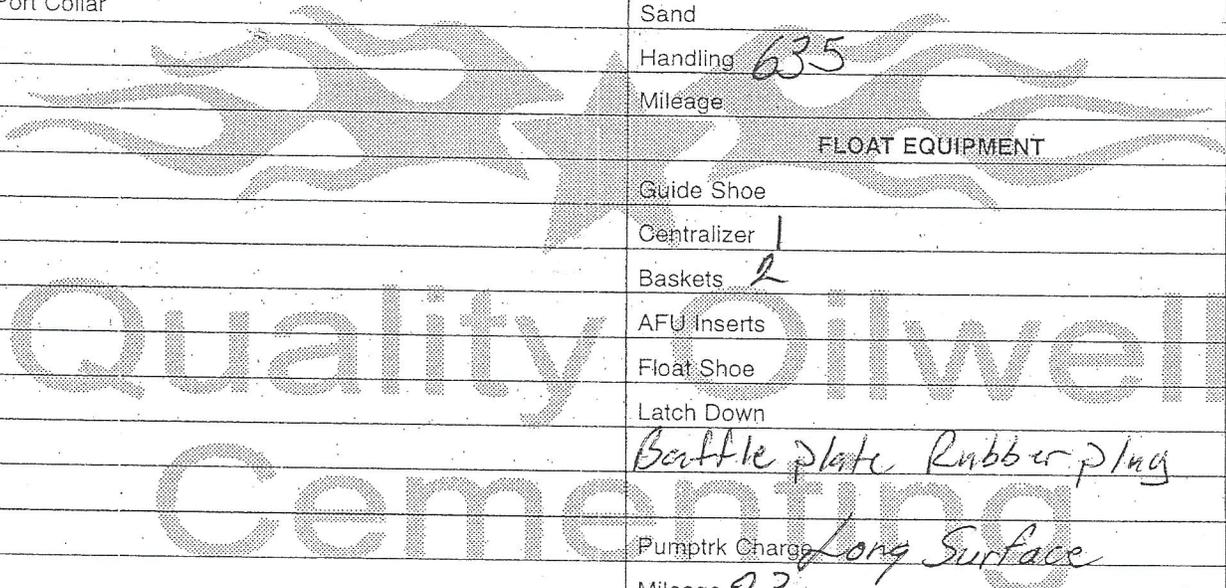
Remarks:	Cement did circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	300#
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	635
		Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	1
Baskets	2
AFU Inserts	
Float Shoe	
Latch Down	
	Beattle plate Rubber plug
Pumptrk Charge	Long Surface
Mileage	23

Tax	
Discount	
Total Charge	

X Signature *Juan Pano*



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. 753

Date	9-21-14	Sec.	35	Twp.	21	Range	14	County	Stafford	State	KS	On Location	1.15 PM	Finish	5:15 PM
Lease								Location		281 + 19 SW to 40th 1310					
Spungenburg								Well No.		35-3					
Contractor								Owner		L N K W Sinto					
Muffin								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								Lphg string							
Hole Size								T.D.		3810					
Csg.								Depth		3807					
Tbg. Size								Depth		Coral production					
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered					
33ft								33ft		170 SWS					
Meas Line								Displace		1090 Salt + 5% gel					
EQUIPMENT								Common							
Pumptrk								No.		Cement					
10								9		Helper					
Bulktrk								No.		Driver					
9								9		Driver					
Bulktrk								No.		Driver					
9								9		Driver					
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt 16							
Rat Hole								Flowseal							
30 SWS								Kol-Seal 850#							
Mouse Hole								Mud CLR 48 500 gal							
15								CFL-117 or CD110 CAF 38							
Centralizers								Sand							
#1, 3, 5, 7, 9								Handling 194							
Baskets #6								Mileage							
DV or Port Collar								50							
Dropped Bull								FLOAT EQUIPMENT							
45mm Ben								Guide Shoe							
Plus Rotor								Centralizer 5							
down hole								Baskets							
with wrench								AFU Inserts							
Displaced								Float Shoe							
Lift								Latch Down 1							
700# PSI								Rubber plug							
Level								Pumptrk Charge							
1200# PSI								prod string							
Signature								Mileage		23					
gc b and g								Tax							
								Discount							
								Total Charge							