



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1266311
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: _____



1266311

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg. Co. Inc.**

100 S. Main Ste. 505
Wichita, KS 67202-3738

ATTN: Aaron Young

Huson Trust C #1

12-30s-17w Kingman,KS

Start Date: 2015.06.22 @ 21:41:43

End Date: 2015.06.23 @ 04:36:28

Job Ticket #: 57878 DST #: 1

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

Printed: 2015.06.25 @ 13:27:48

Pickrell Drlg. Co. Inc.
12-30s-17w Kingman,KS
Huson Trust C #1
DST # 1
Hertha
2015.06.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.
100 S. Main Ste. 505
Wichita, KS 67202-3738
ATTN: Aaron Young

12-30s-17w Kingman,KS

Huson Trust C #1

Job Ticket: 57878 **DST#: 1**
Test Start: 2015.06.22 @ 21:41:43

GENERAL INFORMATION:

Formation: **Hertha**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:23:13
Time Test Ended: 04:36:28
Interval: **3732.00 ft (KB) To 3760.00 ft (KB) (TVD)**
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1443.00 ft (KB)
1433.00 ft (CF)
KB to GR/CF: 10.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68

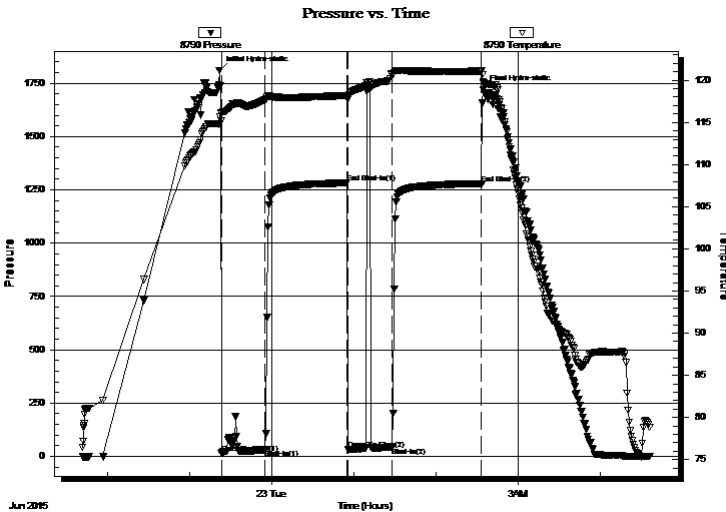
Serial #: 8790

Inside

Press@RunDepth: 44.93 psig @ 3737.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.22 End Date: 2015.06.23 Last Calib.: 2015.06.23
Start Time: 21:41:48 End Time: 04:36:27 Time On Btm: 2015.06.22 @ 23:21:43
Time Off Btm: 2015.06.23 @ 02:34:43

TEST COMMENT: IF: Weak blow . surf. - 3"
IS: No blow .
FF: No blow . Fishd tool 15 min. into. surf. - 1"
FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.35	114.88	Initial Hydro-static
2	15.91	115.18	Open To Flow (1)
34	31.44	117.68	Shut-In(1)
94	1282.85	118.19	End Shut-In(1)
94	32.93	117.72	Open To Flow (2)
127	44.93	120.68	Shut-In(2)
192	1280.01	121.09	End Shut-In(2)
193	1719.29	119.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 30%w, 70%w	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

12-30s-17w Kingman,KS

100 S. Main Ste. 505
Wichita, KS 67202-3738

Huson Trust C #1

Job Ticket: 57878

DST#: 1

ATTN: Aaron Young

Test Start: 2015.06.22 @ 21:41:43

Tool Information

Drill Pipe:	Length: 3724.00 ft	Diameter: 3.80 inches	Volume: 52.24 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 52.24 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3732.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Hydraulic tool	5.00			3720.00	
Jars	5.00			3725.00	
Safety Joint	2.00			3727.00	
Packer	5.00			3732.00	17.00 Bottom Of Top Packer
Packer - Shale	4.00			3736.00	
Stubb	1.00			3737.00	
Recorder	0.00	8790	Inside	3737.00	
Recorder	0.00	8792	Outside	3737.00	
Perforations	24.00			3761.00	
Bullnose	3.00			3764.00	32.00 Anchor Tool
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drig. Co. Inc.

12-30s-17w Kingman,KS

100 S. Main Ste. 505
Wichita, KS 67202-3738

Huson Trust C #1

Job Ticket: 57878

DST#: 1

ATTN: Aaron Young

Test Start: 2015.06.22 @ 21:41:43

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:

57000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 0.08 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCW 30%m, 70%w	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

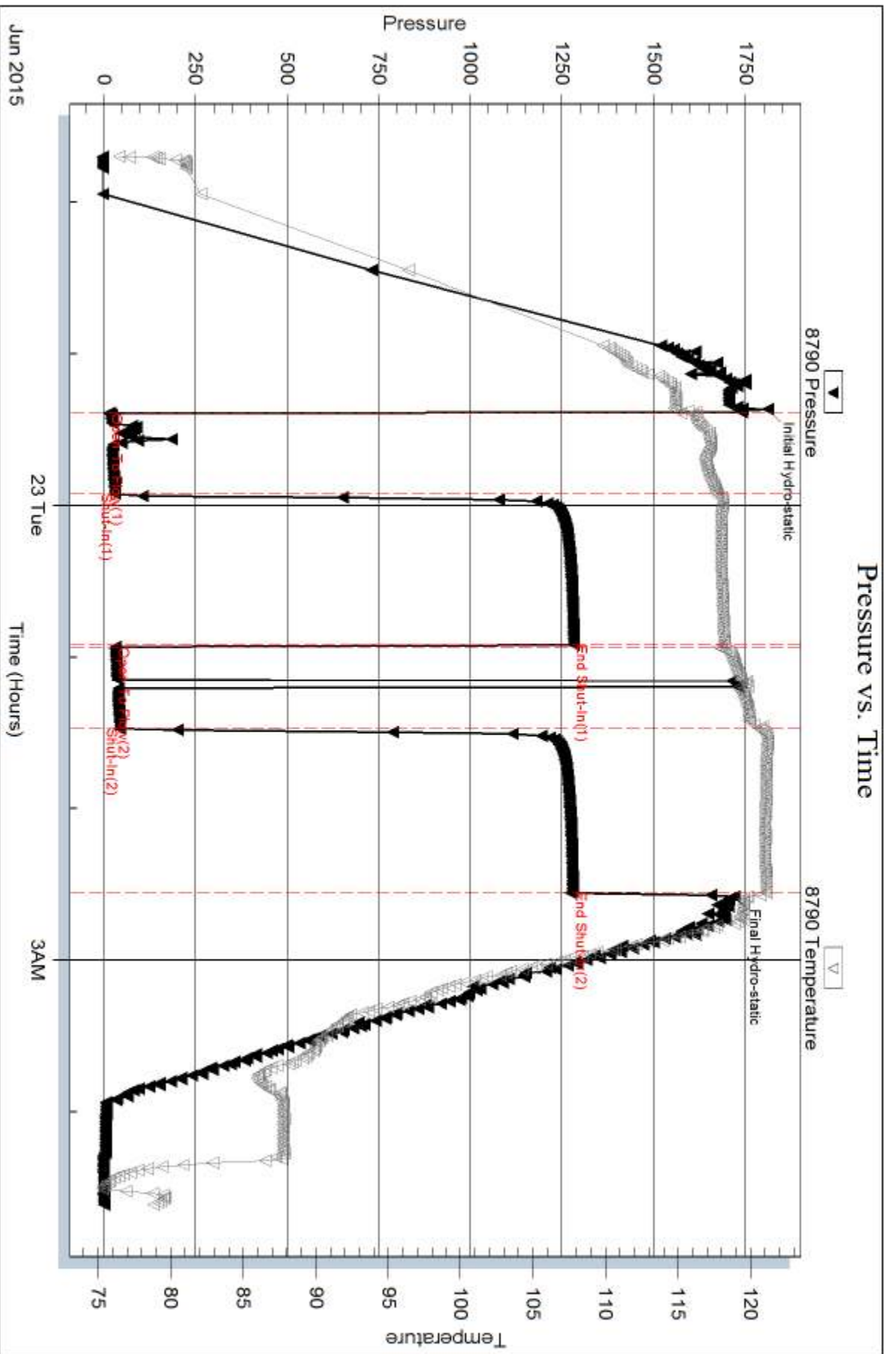
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

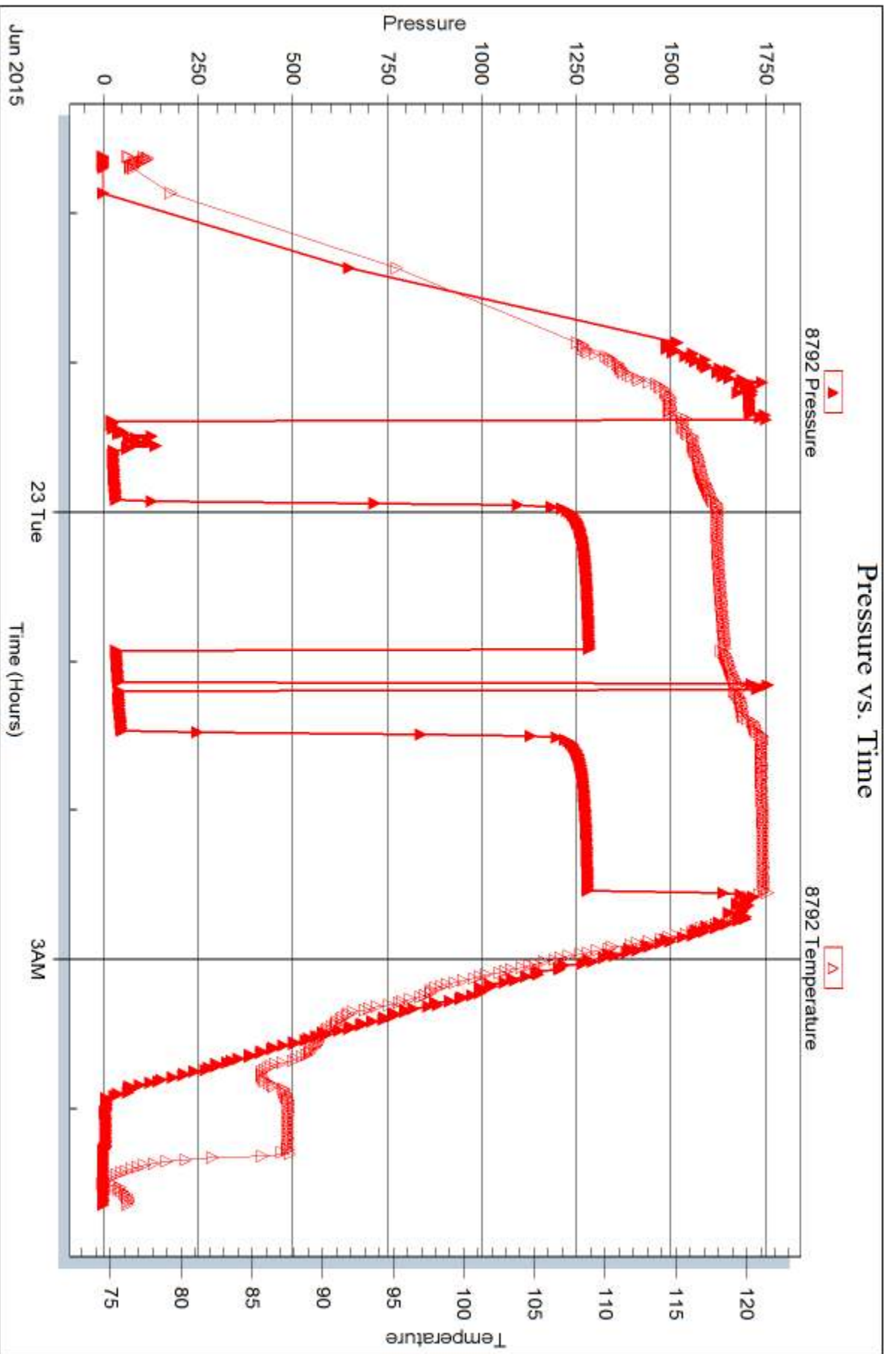


Serial #: 8792

Outside Pckell Drg. Co. Inc.

Huson Trust C#1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 57878

Printed: 2015.06.25 @ 13:27:49



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg. Co. Inc.**

100 S. Main Ste. 505
Wichita, KS 67202-3738

ATTN: Aaron Young

Huson Trust C #1

12-30s-17w Kingman,KS

Start Date: 2015.06.24 @ 09:09:32

End Date: 2015.06.24 @ 17:09:17

Job Ticket #: 57879 DST #: 2

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

Printed: 2015.06.25 @ 13:26:00

Pickrell Drlg. Co. Inc.
12-30s-17w Kingman,KS
Huson Trust C #1
DST # 2
Miss.
2015.06.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.
 100 S. Main Ste. 505
 Wichita, KS 67202-3738
 ATTN: Aaron Young

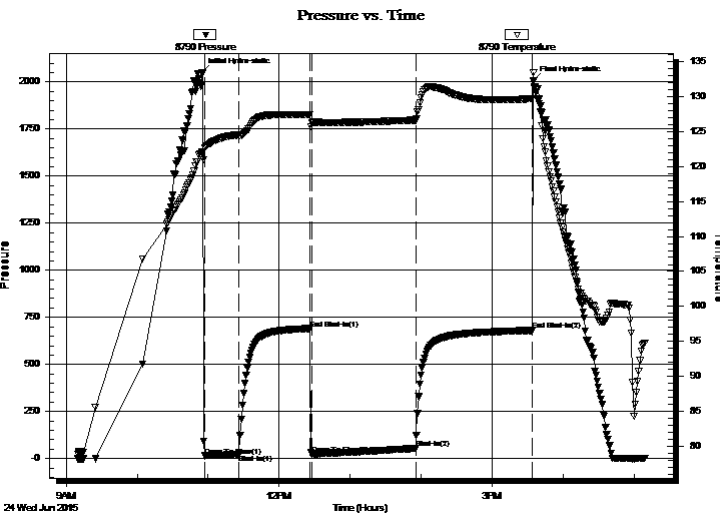
12-30s-17w Kingman,KS
Huson Trust C #1
 Job Ticket: 57879 **DST#: 2**
 Test Start: 2015.06.24 @ 09:09:32

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:57:02
 Time Test Ended: 17:09:17
 Interval: **4123.00 ft (KB) To 4136.00 ft (KB) (TVD)**
 Total Depth: 4136.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 68
 Reference Elevations: 1443.00 ft (KB)
 1433.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8790 Inside
 Press@RunDepth: 54.88 psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.24 End Date: 2015.06.24 Last Calib.: 2015.06.24
 Start Time: 09:09:37 End Time: 17:09:16 Time On Btm: 2015.06.24 @ 10:54:47
 Time Off Btm: 2015.06.24 @ 15:35:02

TEST COMMENT: IF: Strong blow . BOB @ 1 1/2 min.
 IS: No blow .
 FF: Strong blow . BOB immed. GTS @ 35 min. Gauged.
 FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.56	121.97	Initial Hydro-static
3	14.43	122.66	Open To Flow (1)
31	22.03	124.52	Shut-In(1)
92	690.78	127.47	End Shut-In(1)
93	21.68	126.29	Open To Flow (2)
181	54.88	126.64	Shut-In(2)
279	680.13	129.68	End Shut-In(2)
281	2007.03	133.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drig mud 100%m	0.63

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	13.00	10.26
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.
100 S. Main Ste. 505
Wichita, KS 67202-3738
ATTN: Aaron Young

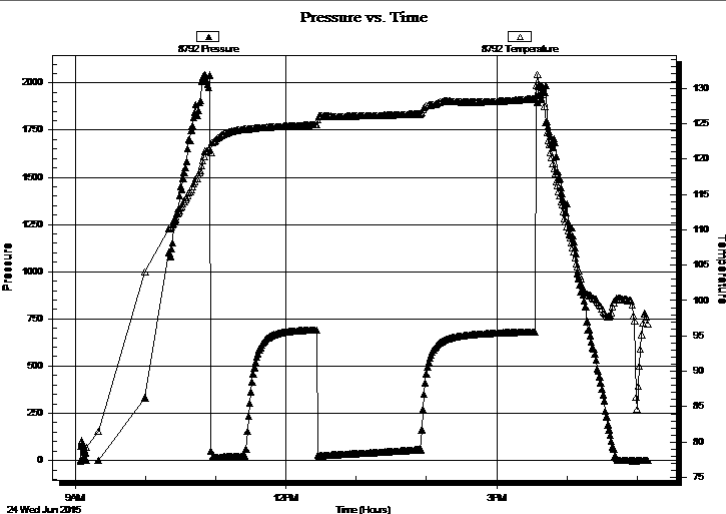
12-30s-17w Kingman,KS
Huson Trust C #1
Job Ticket: 57879 **DST#: 2**
Test Start: 2015.06.24 @ 09:09:32

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:57:02
Time Test Ended: 17:09:17
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 68
Interval: **4123.00 ft (KB) To 4136.00 ft (KB) (TVD)**
Reference Elevations: 1443.00 ft (KB)
Total Depth: 4136.00 ft (KB) (TVD) 1433.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 10.00 ft

Serial #: 8792 Outside
Press@RunDepth: psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.24 End Date: 2015.06.24 Last Calib.: 2015.06.24
Start Time: 09:04:32 End Time: 17:08:56 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . BOB @ 1 1/2 min.
IS: No blow .
FF: Strong blow . BOB immed. GTS @ 35 min. Gauged.
FS: No blow .



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

Length (ft)	Description	Volume (bbl)
45.00	Drig mud 100% m	0.63

* Recovery from multiple tests

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	13.00	10.26
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drig. Co. Inc.

12-30s-17w Kingman,KS

100 S. Main Ste. 505
Wichita, KS 67202-3738

Huson Trust C #1

Job Ticket: 57879

DST#: 2

ATTN: Aaron Young

Test Start: 2015.06.24 @ 09:09:32

Tool Information

Drill Pipe:	Length: 4102.00 ft	Diameter: 3.80 inches	Volume: 57.54 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 57.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4123.00 ft			Final 71500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 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
Shut In Tool	5.00			4106.00	
Hydraulic tool	5.00			4111.00	
Jars	5.00			4116.00	
Safety Joint	2.00			4118.00	
Packer	5.00			4123.00	22.00 Bottom Of Top Packer
Packer - Shale	4.00			4127.00	
Stubb	1.00			4128.00	
Recorder	0.00	8790	Inside	4128.00	
Recorder	0.00	8792	Outside	4128.00	
Perforations	9.00			4137.00	
Bullnose	3.00			4140.00	17.00 Anchor Tool

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drlg. Co. Inc.
100 S. Main Ste. 505
Wichita, KS 67202-3738
ATTN: Aaron Young

12-30s-17w Kingman,KS
Huson Trust C #1
Job Ticket: 57879 **DST#: 2**
Test Start: 2015.06.24 @ 09:09:32

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	10000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: 0.08 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Drig mud 100%m	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl
 Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: RR-1
 Laboratory Name: Caraw ay Laboratory Location: Liberal, KS
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Pickrell Drig. Co. Inc.

12-30s-17w Kingman,KS

100 S. Main Ste. 505
Wichita, KS 67202-3738

Huson Trust C #1

Job Ticket: 57879

DST#: 2

ATTN: Aaron Young

Test Start: 2015.06.24 @ 09:09:32

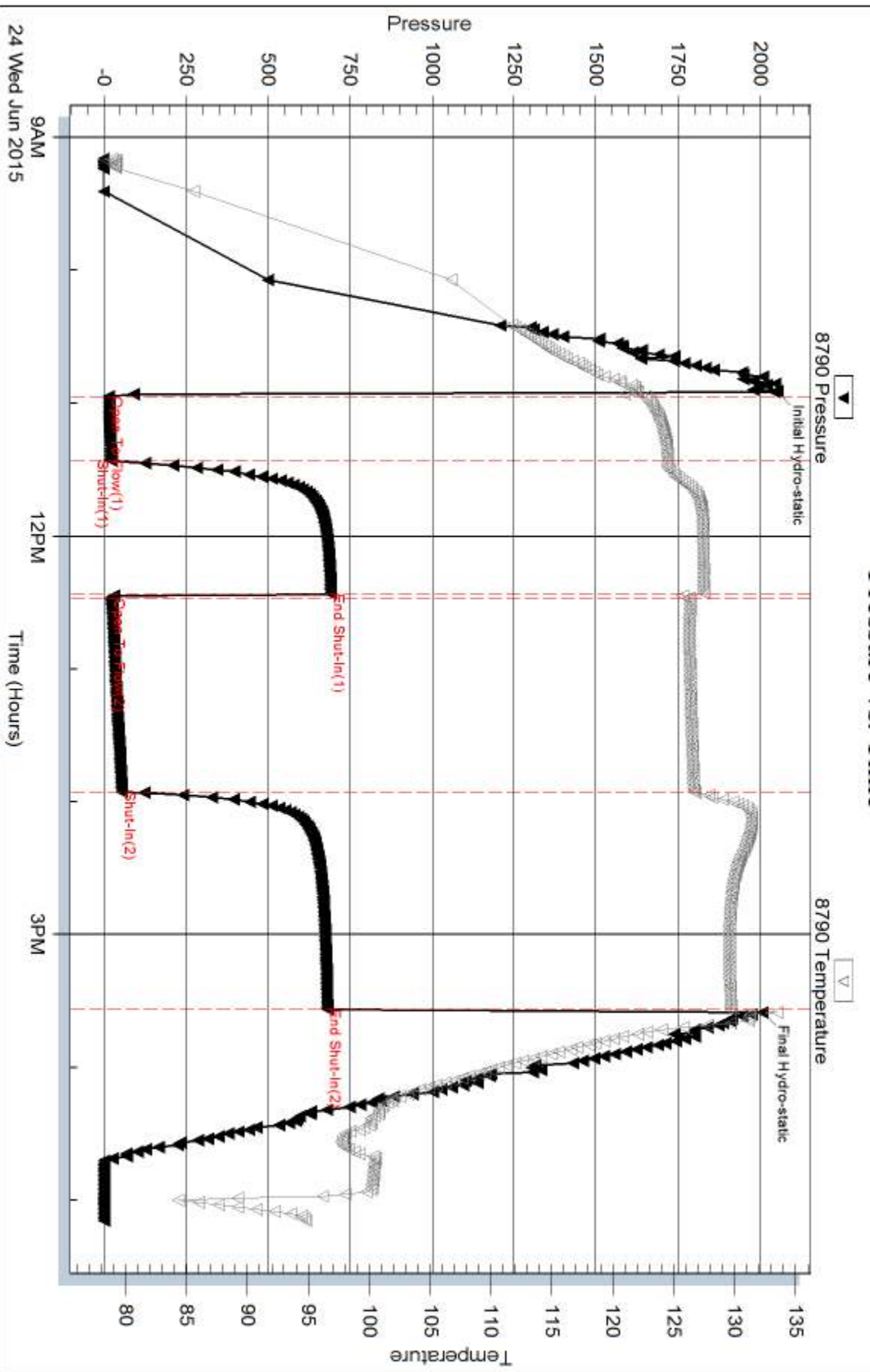
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	40	0.13	13.00	10.26
2	40	0.13	13.00	10.26
2	50	0.13	16.00	11.38
2	60	0.13	18.00	12.13
2	70	0.13	21.00	13.25
2	80	0.13	24.00	14.37

Pressure vs. Time

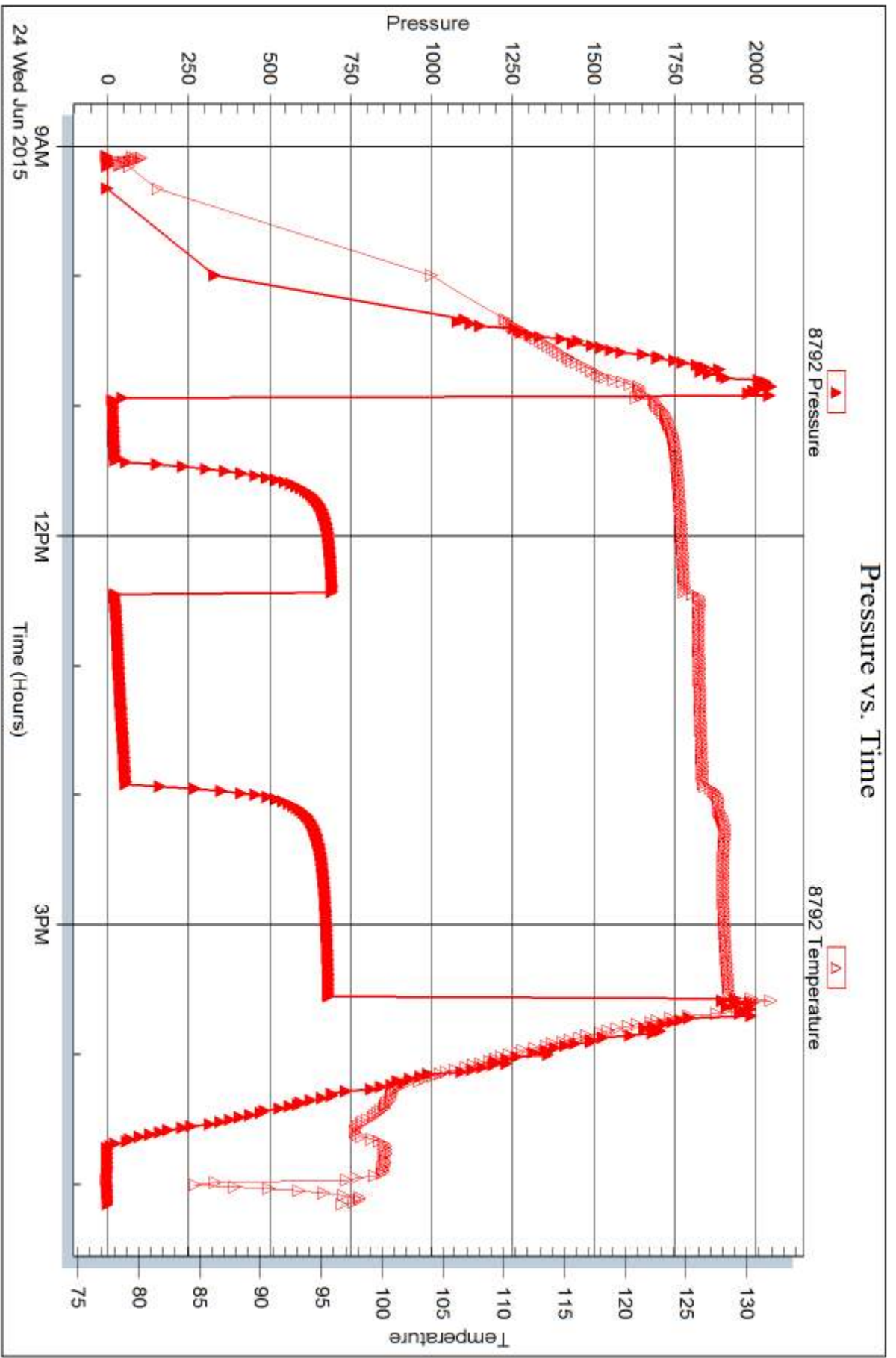


Serial #: 8792

Outside Pckell Drg. Co. Inc.

Huson Trust C#1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57879

Printed: 2015.06.25 @ 13:26:01



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drlg. Co. Inc.**

100 S. Main Ste. 505
Wichita, KS 67202-3738

ATTN: Aaron Young

Huson Trust C #1

12-30s-17w Kingman,KS

Start Date: 2015.06.24 @ 23:46:17

End Date: 2015.06.25 @ 08:13:32

Job Ticket #: 57880 DST #: 3

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

Printed: 2015.06.25 @ 13:24:52

Pickrell Drlg. Co. Inc.
12-30s-17w Kingman,KS
Huson Trust C #1
DST # 3
Miss.
2015.06.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drig. Co. Inc.
 100 S. Main Ste. 505
 Wichita, KS 67202-3738
 ATTN: Aaron Young

12-30s-17w Kingman,KS
Huson Trust C #1
 Job Ticket: 57880 **DST#: 3**
 Test Start: 2015.06.24 @ 23:46:17

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:39:32
 Time Test Ended: 08:13:32
 Interval: **4132.00 ft (KB) To 4146.00 ft (KB) (TVD)**
 Total Depth: 4146.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 68
 Reference Elevations: 1443.00 ft (KB)
 1433.00 ft (CF)
 KB to GR/CF: 10.00 ft

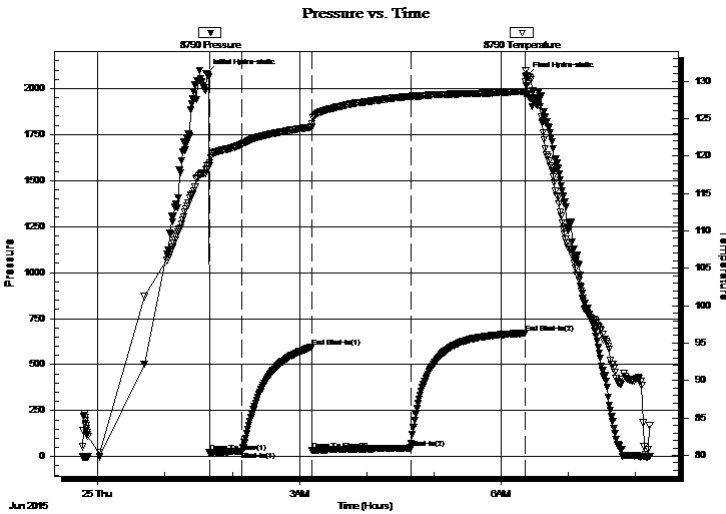
Serial #: 8790

Inside

Press@RunDepth: 47.25 psig @ 4137.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.24 End Date: 2015.06.25 Last Calib.: 2015.06.25
 Start Time: 23:46:22 End Time: 08:13:31 Time On Btm: 2015.06.25 @ 01:37:02
 Time Off Btm: 2015.06.25 @ 06:22:17

TEST COMMENT: IF: Strong blow . BOB @ 5 min.
 IS: No blow .
 FF: Strong blow . BOB @ 16 min.
 FS: Good blow back. surf. - 10"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.27	118.31	Initial Hydro-static
3	21.05	118.69	Open To Flow (1)
32	29.72	121.56	Shut-In(1)
94	595.13	123.85	End Shut-In(1)
95	33.04	124.29	Open To Flow (2)
183	47.25	127.96	Shut-In(2)
285	671.05	128.62	End Shut-In(2)
286	2062.59	131.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GOWCM 10%g, 5%o, 25%w, 60%m	1.40
0.00	1390' 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

Pickrell Drig. Co. Inc.
100 S. Main Ste. 505
Wichita, KS 67202-3738
ATTN: Aaron Young

12-30s-17w Kingman,KS
Huson Trust C #1
Job Ticket: 57880 **DST#: 3**
Test Start: 2015.06.24 @ 23:46:17

Tool Information

Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 81000.00 lb
			<u>Total Volume: 57.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4132.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	17.00 Bottom Of Top Packer
Packer - Shale	4.00			4136.00	
Stubb	1.00			4137.00	
Recorder	0.00	8790	Inside	4137.00	
Recorder	0.00	8792	Outside	4137.00	
Perforations	10.00			4147.00	
Bullnose	3.00			4150.00	18.00 Anchor Tool
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drlg. Co. Inc.

12-30s-17w Kingman,KS

100 S. Main Ste. 505
Wichita, KS 67202-3738

Huson Trust C #1

Job Ticket: 57880

DST#: 3

ATTN: Aaron Young

Test Start: 2015.06.24 @ 23:46:17

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 10.39 in³
Resistivity: ohm.m
Salinity: 10000.00 ppm
Filter Cake: 0.08 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 110000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GOWCM 10%g, 5%o, 25%w, 60%m	1.403
0.00	1390' GIP	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

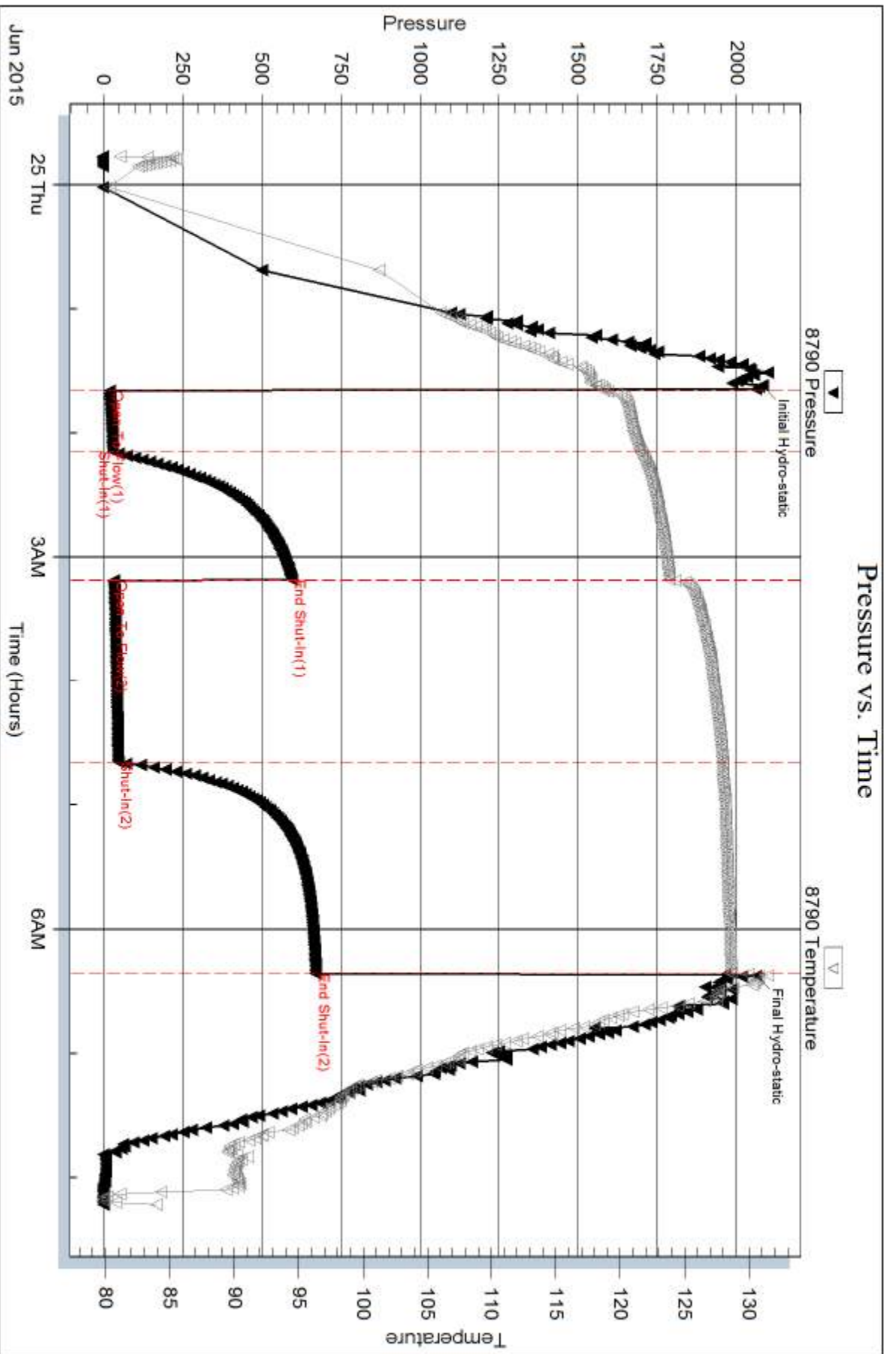
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

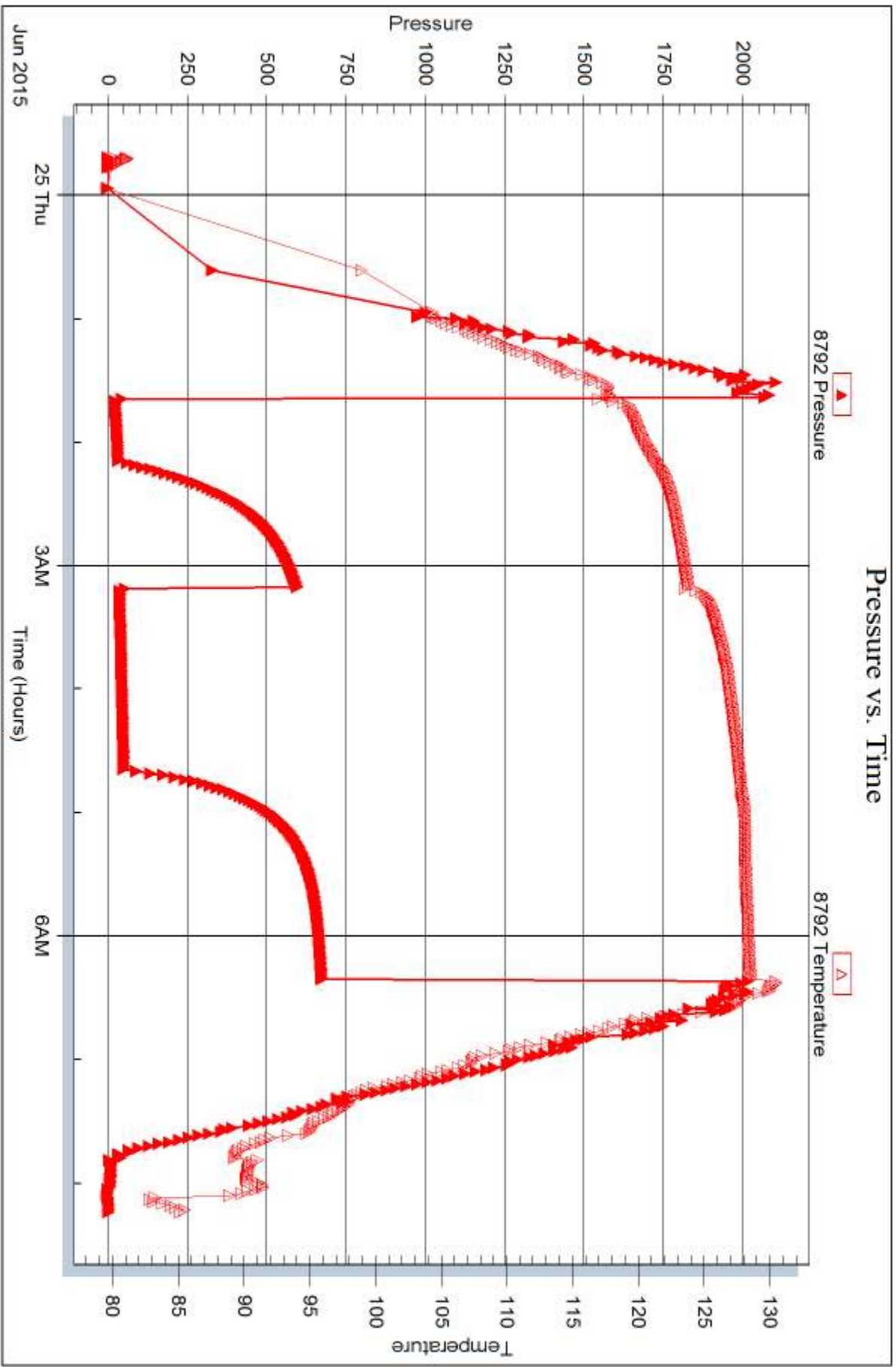


Serial #: 8792

Outside Pckell Drg. Co. Inc.

Huson Trust C#1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 57880

Printed: 2015.06.25 @ 13:24:54



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57878

4/10

Well Name & No. Huson Trust C #1 Test No. 1 Date 6-22-15
 Company Pickrell Drdg. Co. Inc. Elevation 1443 KB 1433 GL
 Address 100 S. Main Ste. 505 Wichita, KS 67202-3738
 Co. Rep / Geo. Aaron Young Rig Pickrell #1
 Location: Sec. 12 Twp. 30s Rge. 17w Co. Kingman State KS

Interval Tested 3732-3760 Zone Tested Hertha
 Anchor Length 28' Drill Pipe Run 3724 Mud Wt. 8.64
 Top Packer Depth 3727 Drill Collars Run Ø Vis 49
 Bottom Packer Depth 3732 Wt. Pipe Run Ø WL 10.8
 Total Depth 3760 Chlorides 7000 ppm System LCM Ø*
 Blow Description IF: Weak blow, surf. - 3" ISI: No blow.
FF: No blow. Flshd tool 15min into surf. - 1"
FSTI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 121 Gravity N/C API RW 1 @ 90 ° F Chlorides 57000 ppm
 Test 1050 T-On Location 2045
 Jars 250 T-Started 2141
 Safety Joint 75 T-Open 2323
 Circ Sub _____ T-Pulled 0230
 Hourly Standby _____ T-Out 0436
 Mileage 112 112 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1737 Total 1737
 Initial Open 30 Extra Copies _____
 Initial Shut-In 60 Sub Total 0
 Final Flow 30 Total 1737
 Final Shut-In 60 MP/DST Disc't _____

Approved By Aaron Young Our Representative Ryan Reynolds

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. 57879

Well Name & No. Huson Trust C # 1 Test No. 2 Date 6-24-15
 Company Pickrell Drly Co. Inc. Elevation 1443 KB 1433 GL
 Address 100 S. Main Ste. 505 Wichita, KS 67202-3738
 Co. Rep / Geo. Aaron Young Rig Pickrell 1
 Location: Sec. 12 Twp. 30s. Rge. 17w. Co. Kingman State KS

Interval Tested 4123-4136 Zone Tested Miss.
 Anchor Length 13 Drill Pipe Run 4102 Mud Wt. 9.3
 Top Packer Depth 4118 Drill Collars Run Ø Vis 57
 Bottom Packer Depth 4123 Wt. Pipe Run Ø WL 10.4
 Total Depth 4136 Chlorides 10000 ppm System LCM 1/2#
 Blow Description IF; Strong blow. BOB @ 1 1/2 min. FSI; No blow.
FF; Strong blow. BOB immed. GTS @ 35 min. Gaged.
FST: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Drly 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 45 BHT 130 Gravity N/C API RW N/C @ N/C °F Chlorides 10000 ppm
 Test 1150 T-On Location 0815
 Jars 250 T-Started 0910
 Safety Joint 75 T-Open 1057
 Circ Sub _____ T-Pulled 1528
 Hourly Standby _____ T-Out 1709
 Mileage 112 112 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1737 Sub Total 0
 Total 1737 Total _____
 MP/DST Disc't _____

Approved By _____ Our Representative Ryan Reynolds
 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. 57880

Well Name & No. Huson Trust "C" #1 Test No. 3 Date 6-24-15
 Company Pickrell Drilling Co. Inc. Elevation 1443 KB 1433 GL
 Address 100 S. Main Ste. 505 Wichita, KS 67202-3738
 Co. Rep / Geo. Aaron Young Rig Pickrell #1
 Location: Sec. 12 Twp. 30s Rge. 17w Co. Kingman State KS

Interval Tested 4132-4146 Zone Tested Miss.
 Anchor Length 14 Drill Pipe Run 4134 Mud Wt. 9.3
 Top Packer Depth 4127 Drill Collars Run Ø Vis 57
 Bottom Packer Depth 4132 Wt. Pipe Run Ø WL 10.4
 Total Depth 4146 Chlorides 10000 ppm System LCM 1/2#
 Blow Description IF: Strong blow, BOB @ 5 min. ISI: No blow.
FF: Strong blow, BOB @ 16 min. FSI: Grad blowback, surf - 10"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1390</u>	<u>GIP</u>				
<u>100</u>	<u>Gowcm</u>	<u>10</u>	<u>5</u>	<u>25</u>	<u>60</u>

Rec Total 100 BHT 129 Gravity N/C API RW .06 @ 85 °F Chlorides 110000 ppm
 Test 1150 T-On Location 2300
 Jars 250 T-Started 2346
 Safety Joint 75 T-Open 0140
 Circ Sub T-Pulled 0610
 Hourly Standby T-Out 0814
 Mileage 112 112 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1737
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1737

Approved By [Signature] Our Representative Ryan Reynolds
 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.

ALLIED OIL & GAS SERVICES, LLC

055784

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <u>6-10-15</u>	SEC. <u>12</u>	TWP. <u>30</u>	RANGE <u>7</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 AM</u>	JOB FINISH <u>8:00 AM</u>
LEASE <u>Huson Trust</u>	WELL # <u>1</u>	LOCATION <u>Kingman KS 135</u>			COUNTY <u>Kingman</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>2 E 3/4 S E into</u>					

CONTRACTOR Pickrell #10

TYPE OF JOB surf sec 212

HOLE SIZE 12 1/4 T.D. 252

CASING SIZE 8 5/8 2.5" DEPTH 210

TUBING SIZE DEPTH 210

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 12

EQUIPMENT

OWNER

CEMENT AMOUNT ORDERED 180 com 39 cc
29 gal

COMMON	<u>180</u>	@ <u>17.90</u>	<u>3,222.00</u>
POZMIX		@	
GEL	<u>337</u>	@ <u>.50</u>	<u>169.50</u>
CHLORIDE	<u>508</u>	@ <u>1.10</u>	<u>558.80</u>
ASC		@	<u>3,950.80</u>
		@ <u>35%</u>	<u>1,382.61</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>194.64</u>	@ <u>2.78</u>	<u>482.71</u>
MILEAGE	<u>8.88 x 45 x</u>	<u>2.75</u>	<u>1,098.90</u>
TOTAL			

PUMP TRUCK CEMENTER Robert Yakubovitch

366 HELPER Ben

BULK TRUCK

511112 DRIVER Marland

BULK TRUCK

DRIVER

REMARKS:

see log

Thank you!!!

CHARGE TO: Pickrell

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mike Kern

SIGNATURE Mike Kern

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ _____

MILEAGE Hum 45 @ 7.70 346.50

MANIFOLD @ _____

Hum 45 @ 4.40 198.00

TOTAL 3,638.36
35% 1,273.43

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 7,588.66

DISCOUNT 2,656.03 IF PAID IN 30 DAYS

4,932.63



P.O. Box 205803
Dallas, TX 75320-5803

Voice: (832) 482-3742
Fax: (832) 482-3738

INVOICE

Invoice Number: 150015
Invoice Date: Jun 26, 2015
Page: 1

Federal Tax I.D.#: 20-8651475

Bill To:
Pickrell Drilling Co. Inc. 100 South Main Suite 505 Wichita, KS 67202

Customer ID	Field Ticket #	Payment Terms	
Pick	MLK1506260830	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Jun 26, 2015	7/26/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Huson Trust C #1		
1.00	CEMENT SERVICE	Production Long String	2,765.75	2,765.75
227.37	CEMENT SERVICE	Cubic Feet Charge	2.48	563.88
299.95	CEMENT SERVICE	Ton Mileage Charge	2.75	824.86
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
1.00	EQUIPMENT SALES	5-1/2 AFU Flapper Float Shoe	545.00	545.00
4.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	228.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	660.00	660.00
12.00	CEMENT MATERIALS	HiVis Sweep	58.70	704.40
50.00	CEMENT MATERIALS	60/40/4% Poz Blend	18.92	946.00
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
750.00	CEMENT MATERIALS	Gilsonite	0.98	735.00
675.00	CEMENT MATERIALS	Salt	0.68	459.00
10.00	CEMENT MATERIALS	KCL	34.30	343.00
1.00	CEMENT SUPERVISOR	Jason Thimesch		
1.00	CEMENT SUPERVISOR	Jake Heard		
1.00	CEMENT SUPERVISOR	Justin Bower		

Cement long string

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 4,138.01

ONLY IF PAID ON OR BEFORE

Jul 26, 2015

Subtotal	11,822.89
Sales Tax	504.07
Total Invoice Amount	12,326.96
Payment/Credit Applied	
TOTAL	12,326.96

Field Ticket Number: MLK1506280830 Field Ticket Date: Friday, June 26, 2015

Bill To: Pickrell Drilling #N/A #N/A	Job Name: 02 Production/Long String Well Location: Kingman, ks Well Name: Huson Trust C Well Number: 1 Well Type: Rig Number: Shipping Point: Medicine Lodge, KS Sales Office: Mid Con
--	---

PERSONEL	EQUIPMENT
Thinesch, Jason	673
Heard, Jake	892/555
Power, Justin	819/823

SERVICES - SERVICES - SERVICES

Description	Qty	Unit	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
Casing Pump Charge 4001' to 5000'	1.00	min. 4 hr	2,765.75	2765.75	1,797.74	35%	1,797.74
Products handling service charge	227.37	per cu. Ft.	2.40	563.88	1.61	35%	366.52
Drayage for Products	299.95	ton-mile	2.75	824.87	1.79	35%	536.16
Light Vehicle Mileage	30.00	per mile	4.40	132.00	2.86	35%	85.80
Heavy Vehicle Mileage	30.00	per mile	7.70	231.00	5.01	35%	150.15

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT

Description	Qty	Unit	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
5 1/2 AFU Flapper Float Shoe	1.00	each	545.00	545.00	354.25	35%	354.25
5 1/2 Centralizer	4.00	each	57.00	228.00	37.05	35%	148.20
5 1/2 Latch Down Plug	1.00	each	660.00	660.00	429.00	35%	429.00

MATERIALS - MATERIALS - MATERIALS

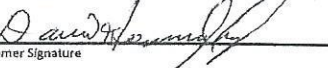
Description	Qty	Unit	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
HIVis Sweep	12.00	per bbl	58.70	704.40	38.16	35%	457.86
ALLIED 60/40 POZ 4% BLEND - CLASS A	50.00	per sack	18.92	946.00	12.30	35%	614.90
CLASS A COMMON	150.00	per sack	17.90	2,685.00	11.64	35%	1,745.25
Gilsonite	750.00	per pound	0.90	735.00	0.64	35%	477.75
Salt	675.00	per pound	0.68	459.00	0.44	35%	298.35
KCL	10.00	per gal	34.30	343.00	22.30	35%	222.95

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours		per hour	440.00	0.00	286.00	35%	0.00
--	--	----------	--------	------	--------	-----	------

	Gross	Discount	Final
Services Total	4,517.49	1,581.12	2,936.37
Equipment Total	1,433.00	501.55	931.45
Materials Total	5,872.40	2,055.34	3,817.06
Additional Items	0.00	0.00	0.00
Final Total	11,822.89	4,138.01	7,684.88

Allied Rep: _____
Customer Agent: _____
This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

x  _____
Customer Signature Field Ticket Total (USD): **\$7,684.88**

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Oil & Gas Services, LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As
-TERMS: Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has
-ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing
-PRICES AND TAXES: All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal,
-TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road
-PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the
-DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit
-SERVICE CONDITIONS AND LIABILITIES:

- 1). ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for
 - A). Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and
 - B). Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S
- 2). With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine
- 3). ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

-WARRANTIES:

- 1). ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and services when installed, and used,
- 2). More specifically:
 - A). Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or
 - B). Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of
 - C). Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent, and ALLIED will accomplish the job as an independent contractor

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: Huson Trust "C" #1
API: 15-095-22295
Location: Section 12 - T30S - R7W
License Number: 5123
Spud Date: 6/09/2015
Surface Coordinates: 1980' FSL and 1980' FWL
Approx. NE - SW
**Bottom Hole
Coordinates:**
Ground Elevation (ft): 1433' **K.B. Elevation (ft):** 1443'
Logged Interval (ft): 2800' **To:** 4220' **Total Depth (ft):** 4220'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Mud-Co

Region: Kingman Co., KS
Drilling Completed: 6/25/15

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Pickrell Drilling Company, Inc.
Address: 100 S Main Ste 505
Wichita, KS 67202+3738

GEOLOGIST

Name: Aaron L. Young, M.S.
Company: Pickrell Drilling Company, Inc.
Address: 100 S Main, Suite 505
Wichita, Kansas 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #1

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ RR	15-15-15	212	202	?
2	7-7/8	ENP223	15-15-15	4220	4018	110.25

SURVEYS: 212'-.75, 780'-.75, 1254'-.5, 1759'-.75, 2265'-.75, 2800'-1, 4220'-1

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 38,000 - 42,000 lbs. on bit and approx 70-80 RPM.
Running 9 stands of collars; 520'
Pumping approx 1000 psi at standpipe.

Daily Status

6/09/15 - Spud @ 10:30pm
 6/10/15 - WOC @ 212', Ran 5 jts of New 8 5/8" 28# surface casing set @ 210', cmt w/ 180 sx Common, 2% gel, 3% CC
 6/11/15 - Drilling @ 655'
 6/12/15 - Drilling @ 1538'
 6/13/15 - Drilling @ 2294'
 6/14/15 - Drilling @ 2932'
 6/15/15 - Drilling @ 3557'
 6/16/15 - SD for extremely muddy conditions
 6/17/15 - Still SD
 6/18/15 - Pumping water off roads. Plan to resume 6/22

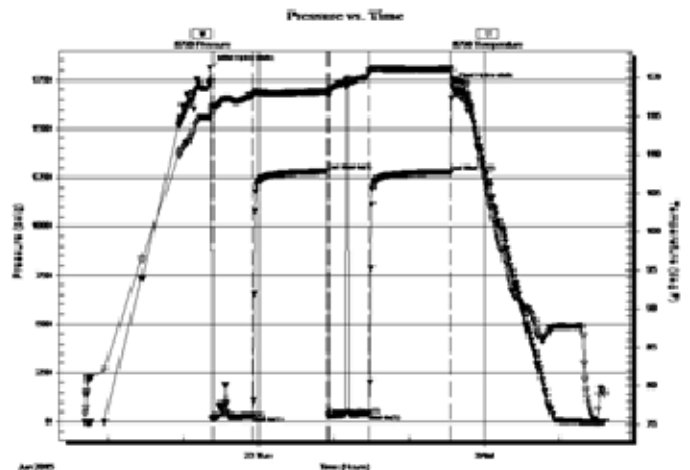
6/22/15 - Resume drilling
 6/23/15 - DST #1: 3732'-3760' (Hertha)
 6/24/15 - DST #2: 4123'-4136' (Miss)
 2/25/15 - DST #3: 4132'-4146' (Miss), TD'd at 4220' (RTD), Pipe strap 1.27 short to board
 2/26/15 - TD @ 4220', Logged, Ran 101 jts of New 5 1/2" 14# prod casing set @ 4212', cmt w/ 150sx Class A, 10% salt, w/ 5# KC/sx, 25sx in RH, 25sx in MH

DST #1 HERTHA 3732'-3760'
30"-60"-30"-60"

IF: Weak surface blow - 3"
 ISI: No blow
 FF: No blow, Flushed tool 15min, surf- 1"
 FSI: No blow

Rec': 60' MCW (30% M, 70% W)

SIPs: 1283-1280#, FPs: 16-31#, 33-45#, HPs: 1810-1719#



DST #2 MISSISSIPPIAN 4123'-4136' 30"-60"-90"-90"

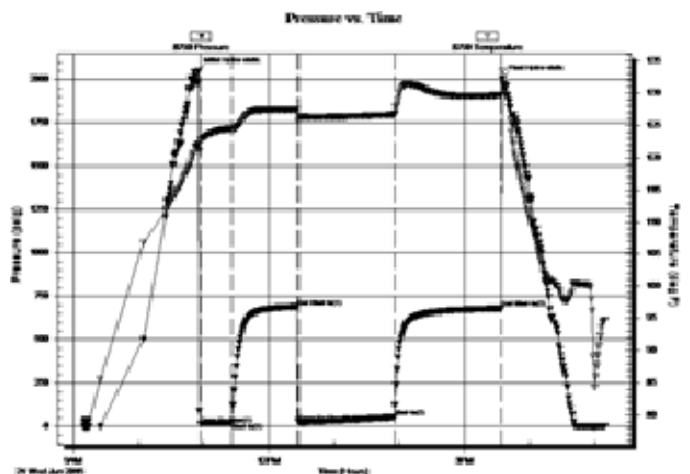
IF: BOB in 1 1/2min
 ISI: No blow
 FF: BOB immed. GTS @ 35min. Guaged
 FSI: No blow

Rec': 45' Drlg mud (100% M)

FF @ 35 min GTS:

40" 10 mcf/d
 50" 11 mcf/d
 60" 12 mcf/d
 70" 13 mcf/d
 80" 14 mcf/d
 90" 16 mcf/d

SIPs: 691-680#, FPs: 14-22#, 22-55#, HPs: 2052-2007#

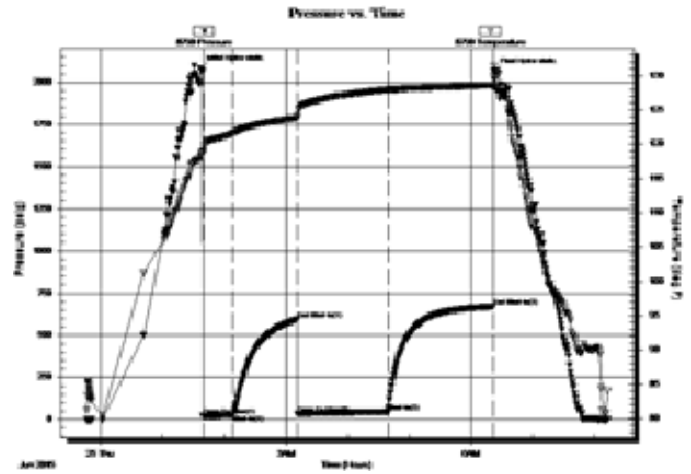


DST #3 MISSISSIPPIAN 4132'-4146'
30"-60"-90"-90"

IF: BOB in 5min
ISI: GTS on blow down, No blow back
FF: BOB in 16min
FSI: Blow back surf - 10"

Rec': 100' GOWCM (10% G, 5% O, 25% W, 60% M)

SIP: 595-671#, FP: 21-30#, 33-47#, HP: 2082-2063#



ROCK TYPES

	Anhy		Gyp		Shgy		Sandylms
	Bent		Igne		Sltst		Shale
	Brec		Lmst		Ss		Sltstn
	Cht		Meta		Till		Shlyslts
	Clyst		Mrlst		Carb sh		Slttysh
	Coal		Salt		Dol		Lms
	Congl		Shale		Dtd		
	Dol		Shcol		Gry sh		

ACCESSORIES

MINERAL		Salt		Fossil		Clystn	
	Anhy		Sandy		Gastro		Dol
	Arggrn		Silt		Oolite		Grysh
	Arg		Sil		Ostra		Gryslt
	Bent		Sulphur		Pelec		Lms
	Bit		Tuff		Pellet		Sandylms
	Brecfrag		Chlorite		Pisolite		Sh
	Calc		Dol		Plant		Sltstn
	Carb		Sand		Strom		
	Chtdk		Silty		Fuss		
	Chtlt				Oomold		
	Dol	FOSSIL				TEXTURE	
	Feldspar		Algae	STRINGER			Boundst
	Ferrpel		Amph		Anhy		Chalky
	Ferr		Belm		Arg		Cryxln
	Glau		Bioclst		Bent		Earthy
	Gyp		Brach		Coal		Finexln
	Hvymin		Bryozoa		Dol		Grainst
	Kaol		Cephal		Gyp		Lithogr
	Marl		Coral		Ls		Microxln
	Minxl		Crin		Mrst		Mudst
	Nodule		Echin		Sltstrg		Packst
	Phos		Fish		Ssstrg		Wackest
	Pyr		Foram		Carbsh		

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- Fenest
- F Fracture
- X Inter
- ⊕ Moldic
- Organic
- P Pinpoint
- ∇ Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- r Subrnd
- a Subang
- A Angular

OIL SHOWS

- Even
- ⊙ Spotted
- ⊖ Ques
- Dead
- ⊗ Gas show

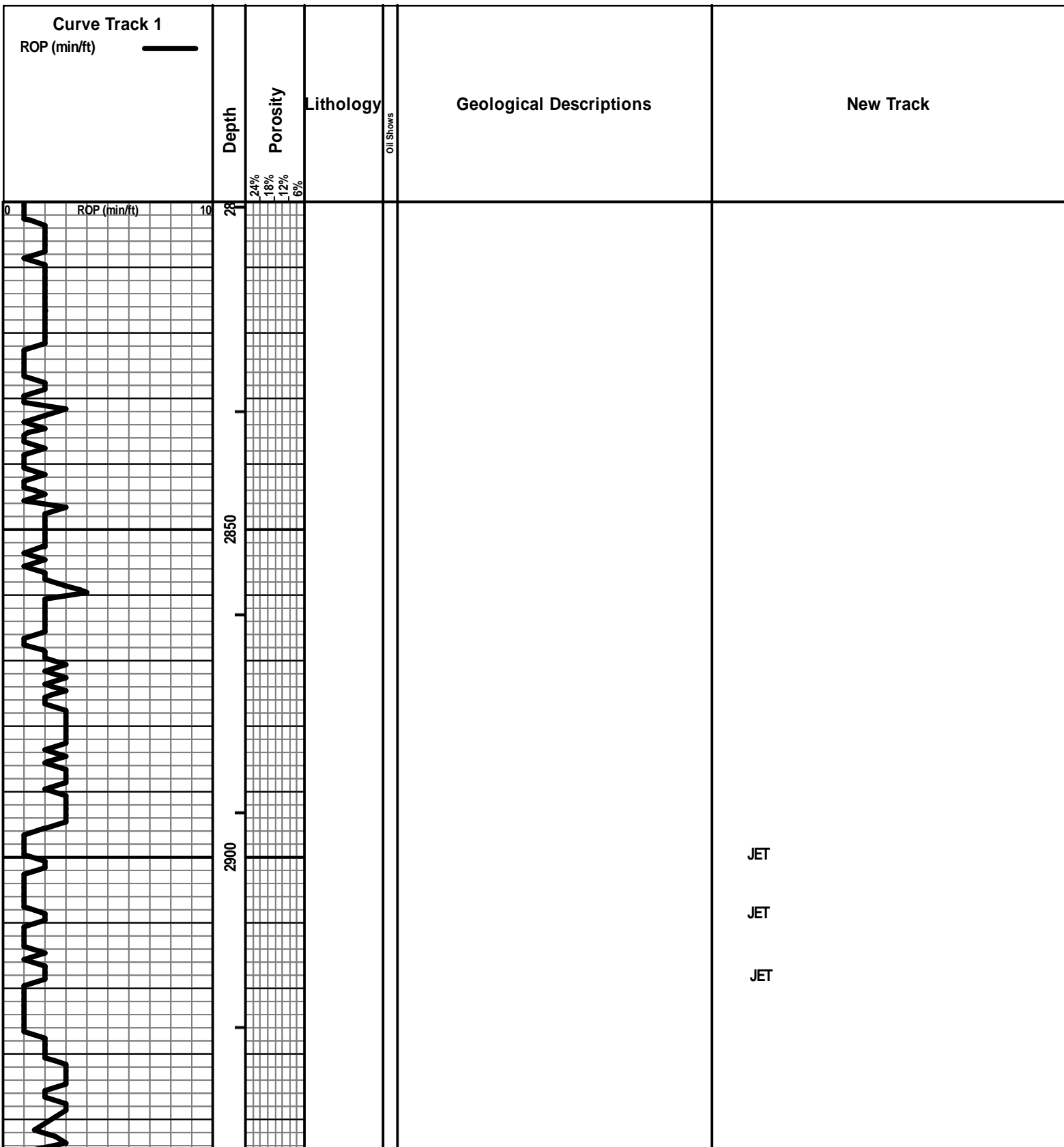
INTERVALS

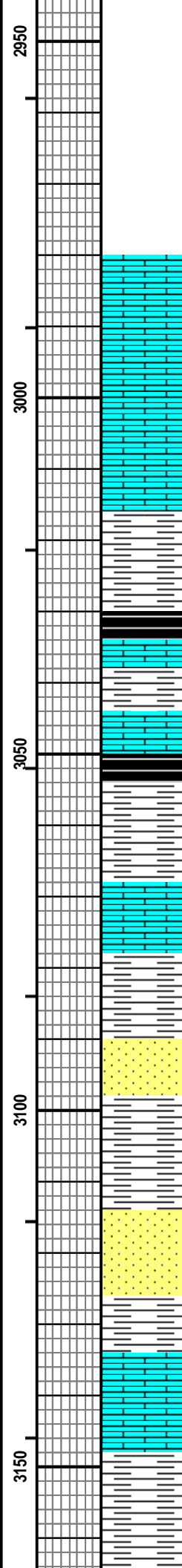
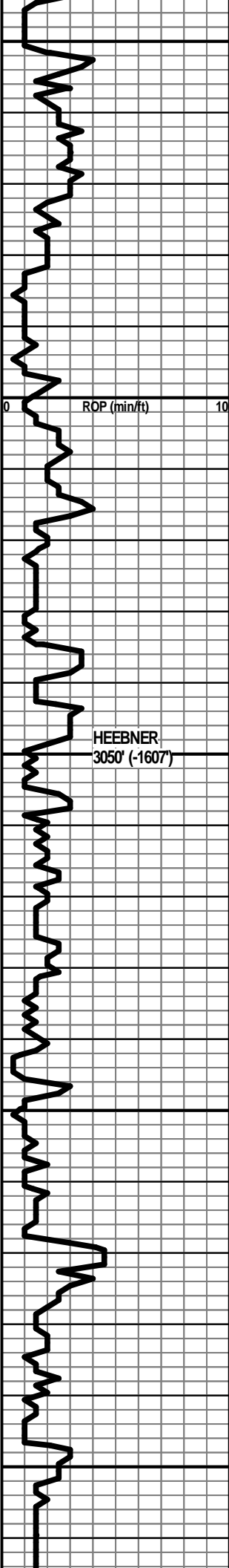
- Core
- Dst

Dst

EVENTS

- ▽ Rft
- ▾ Sidewall
- ▬ Conn





LS - TAN / GY, F XLN, MOD DNS / DNS

LS - GY, F XLN, MOD DNS / DNS, FOSS

SH - GRN / GY, SOFT

SH - BLK, SLI CARB

SH - LT GRN / LT GY, W/ LS - DK TAN, F XLN, V
DNS, FOSS IN PT

SH - BLK, CARB

SH - GRN / GY

LS - CRM, TAN, F XLN, MOD DNS, W/ SH - GRN /
GY

SS - CLR / WHT, FN GR, W CEM, SLI GLAUC, NS

SH - PRED GRN / GY IN PT

SS - CLR / WHT / GY, FN GR, W CEM, DNS, SLI
GLAUC, NS

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS

SH - GY, MOD SOFT

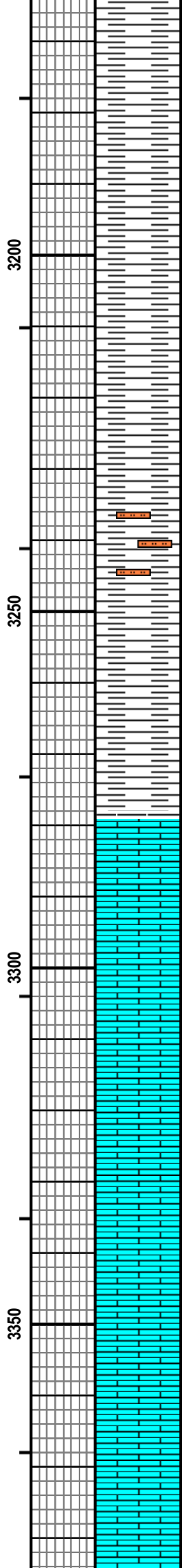
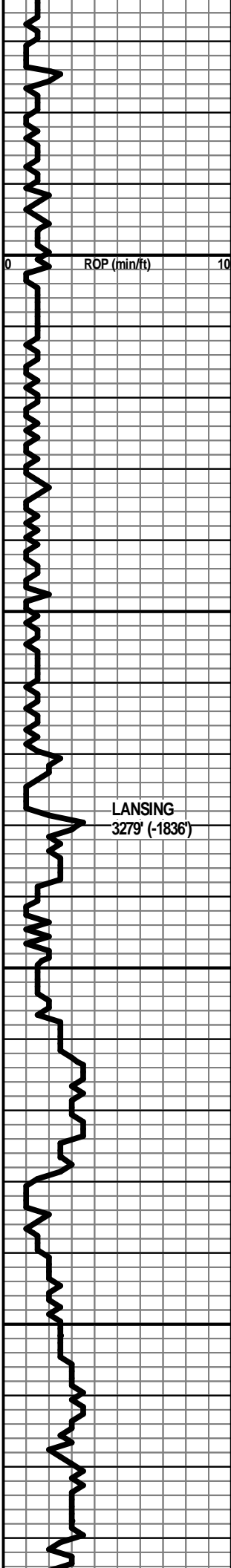
WT 8.7
VIS 45
LCM TRC

WT 8.7
VIS 45
LCM TRC

START PREMIX IN

WT 8.8
VIS 46
LCM 1/2#

WT 8.8
VIS 48
LCM 1#



SH - GRN / GY

SH - GY

SH - LT GY / DK GRN

SH - LT GY / LT GRN

SH - LT GY, SLTY

SH - GY, MOD DNS

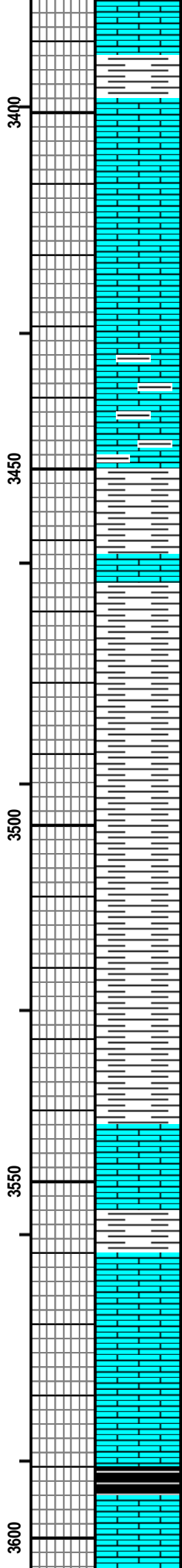
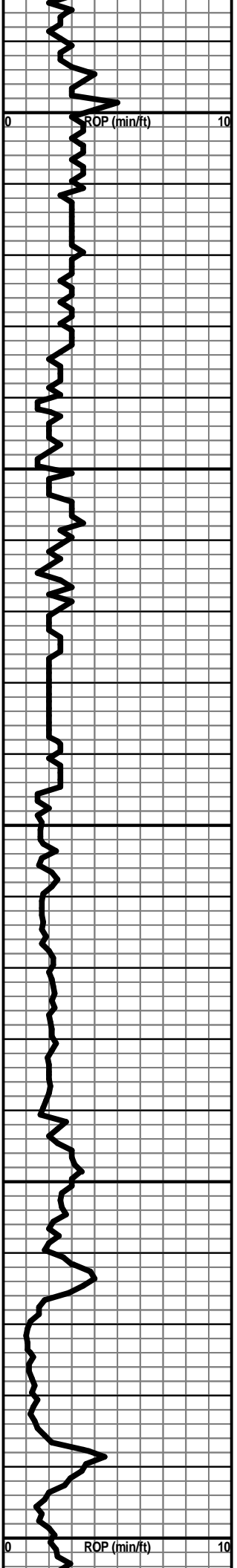
LS - TAN / BRN, F XLN, DNS, ABUND FOSS

LS - CRM / TAN, VF / F XLN, MOD DNS /
SUBCHKY, CHKY IN PT, FOSS IN PT,
STYLOLITIZED

LS - TAN, F XLN, DNS, FOSS

LS - GY, F XLN, MOD DNS / DNS, FOSS

LS - TAN / GY, VF / F XLN, MOD DNS, FOSS IN PT



LS - TAN / GY, VF / F XLN, MOD DNS, ABUND FOSS

SH - GRN / GY

LS - TAN, F XLN, DNS

LS - GY / TAN, F XLN, MOD DNS, SHLY - GY / LT GRN / DK GRN

SH - LT GRN

SH - LT GY / DK GY

SH - GY

SH - GY

SH - DK GY

LS - GY, F XLN, DNS, FOSS (CRI), W/ SH - GY

LS - GY / TAN, F XLN, DNS

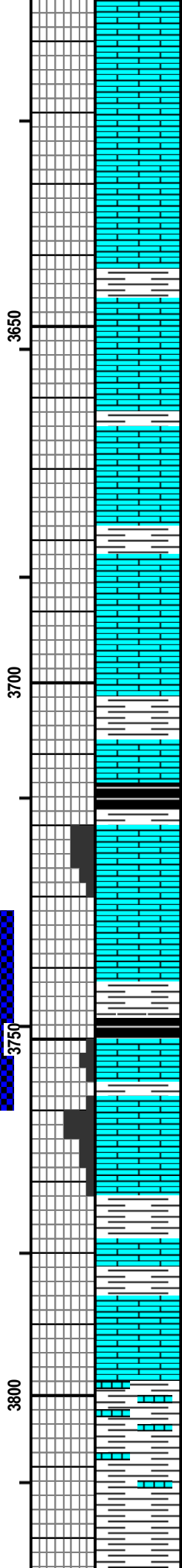
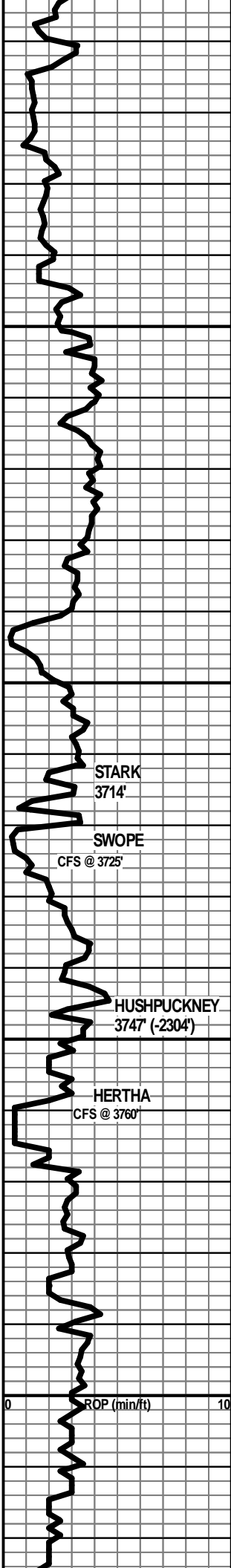
LS - TAN / CRM / WHT, VF / F XLN, SUBCHKY / CHKY IN PT

SH - BLK, SLI CARB

PICK UP PIT MUD

WT 9.2
VIS 45
LCM TRC

WT 9.2



LS - CRM / TAN, VF / F XLKN, SUBCHKY / MOD
DNS, FOSS, FOSS RPLCD BY CALCITE

LS - TAN / GY, F XLN, DNS

LS - TAN, VF / F XLN, SLI DNS, FOSS IN PT

SH - RD / RDSH ORNG / MAR / GRN

LS - TAN, VF / F XLN, MOD DNS

SH - MAR / GRN / GY

LS - TAN / GY, F XLN, FOSS + OOL, NO VIS POR,
NS

SH - PRED LT GRN / DK GRN

SH - BLK, CARB, PYRITIC I N PT, W/ SH - GY

LS - TAN, F XLN, F / G OOL POR, NS, NO ODOR,
ABUND OOLITES

LS - TAN / GY, F XLN, DNS

SH - GY

SH - BLK, CARB

LS - TAN / GY, F XLN, P / F INTXLN POR, FSFO,
LT BRN OIL, BLK STN IN PT, F ODOR, YEL-GRN
FLUOR

LS - BRN / GY, F XLN, OOMOLDIC POR, ABUND
OF OOLITES, FOSS IN PT, NS, NO ODOR, NO
FLUOR

SH - GY

LS - TAN / BRN, F XLN, V DNS

SH - LT GRN / GY

LS - TAN, F XLN, DNS

SH - GRN / GY, LMY IN PT, DNS

SH - GRN / GY, SOFT

SH - GY / BLK, FOSS IN PT

VIS 45
LCM TRC

WT 9.2
VIS 49
LCM TRC

WT 9.3
VIS 51

@ 3749' CIRC FOR 1 1/2 HRS, TOH, HUNG BIT
AND COLLARS IN HOLE FOR 1 WEEK B/C OF
MUDDY LOCATION, RESUMED DRLG 6/22 @
5PM

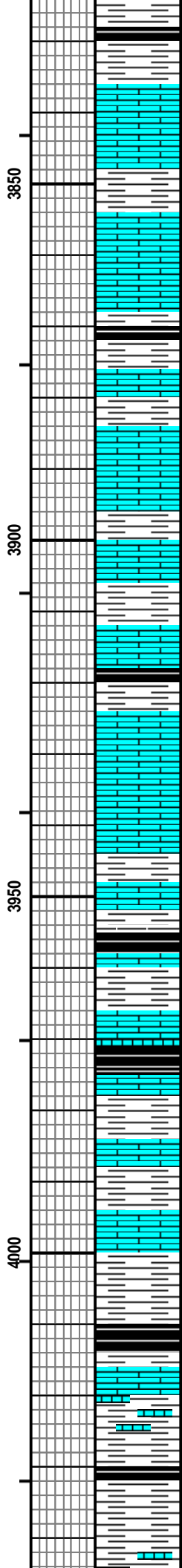
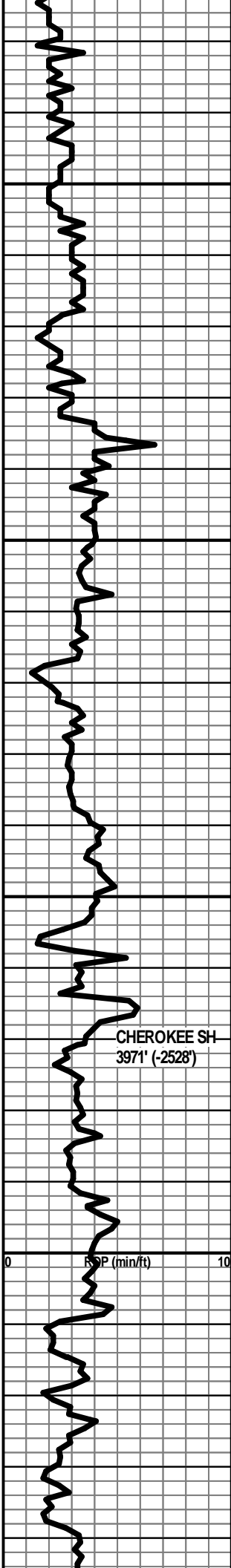
WT 8.9
VIS 44
LCM 0

DST #1
HERTHA
3732'-3760'
30"-60"-30"-60"

IF: Weak surface blow - 3"
ISI: No blow
FF: No blow, Flushed tool 15min, surf- 1"
FSI: No blow

Rec: 60' MCW (30% M, 70% W)

IH: 1810#
IF: 16#-31#
ISI: 1283#
FF: 33#-45#
FSI: 1280#
FL: 1710#

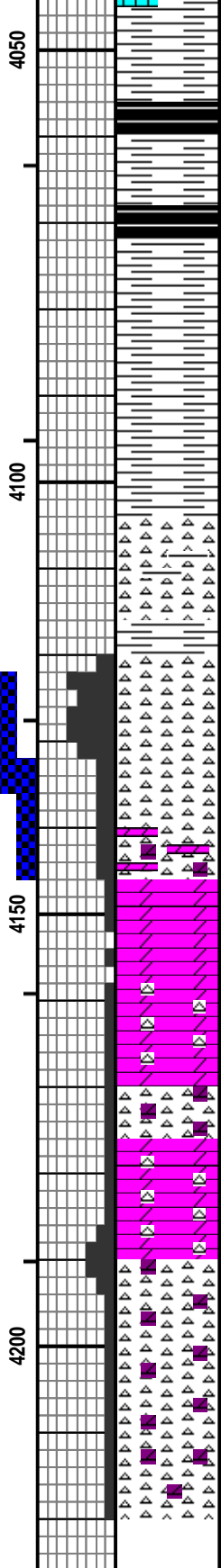
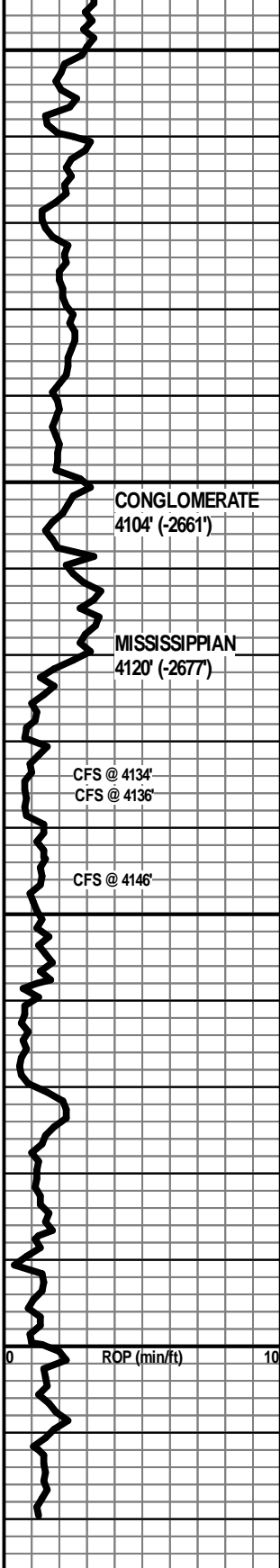


SH - GY / BLK, FOSS IN PT
 SH - BLK, SLI CARB
 SH - GY
 LS - TAN / LT GY, F XLN, DNS
 SH - RD / MAR / RD-ORNG
 SH - MAR / GRN, W/ LS - TAN / GY, F XLN, DNS
 LS - TAN / BRN, F XLN, V DNS, ABUND FOSS
 SH - GY, SOFT
 SH - BLK
 SH - RD / GRN, W/ LS - TAN, VF / F XLN
 LS - TAN / BRN, F XLN, DNS
 SH - GY, SOFT, W/ LS - TAN / GY, VF / F XLN
 SH - RD / MAR / GRN / GY, W/ LS - CRM / TAN, VF XLN, MOD DNS
 LS - TAN / GY, F XLN, DNS, FOSS IN PT
 SH - BLK, CARB
 SH - GY
 LS - TAN / BRN, F XLN, DNS
 SH - RD / MAR / GRN, W/ LS - CRM / TAN, VF / F XLN, MOD DNS
 SH - BLK, CARB
 SH - GY
 LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY
 SH - BLK, CARB, W/ LS - BRN, VF / F XLN, MOD DNS, FOSS, W/ SH - GRN / GY
 SH - GRN / GY
 LS - TAN, VF / F XLN, MOD DNS / SUBCHKY, FOSS
 SH - GY
 SH - BLK, CARB, W/ SH - GY
 LS - GY, F XLN, V DNS
 SH - GRN, LMY IN PT W/ FOSS (CRI), PYRITIC IN PT
 SH - BLK, CARB
 SH - LT GY
 SH - LT GY / LT GRN / MAR IN PT, LMY IN PT

WT 9.1
VIS 50

WT 9.1
VIS 54

WT 9.1
VIS 68
1# ADDED 15
HULLS LCM



MOD DNS IN PT

SH - LT GRN / GY

SH - BLK, CARB

SH - GY

SH - BLK, CARB

SH - LT GY / DK GY

SH - MAR / GRN / GY

SH - LT GY

SH - LT GY, DNS

CHT - LT GY / GRN / TAN, TRANSLCNT + OPAQ, V DNS, SHLY IN PT, NO POR, NS, NO ODOR, NO FLUOR

SH - MAR / GRN / GY

CHT - WHT, OPAQ, WEATH, P / F TRIP POR, FSFO, SHOW OF GAS BUBBLES, F ODOR, G YEL-GRN FLUOR

CHT - WHT / TAN, OPAQ, WEATH, F / G TRIP POR, FSFO, FSG BUBBLES, F ODOR, F ODOR, G YEL-GRN FLUOR

CHT - OFF-WHT, PRED WEATH, SLI DOLOMITIC, F / G TRIP POR, GSFO, FSG BUBBLES, G ODOR, V G YEL-GRN FLUOR, 4139'-46' - CHT - OFF WHT - DOLOMITIC, DNS, SLI BRN STN IN PT, SLI ODOR, NO FLUOR

DOLO - OFF WHT / WHT / TAN, VF XLN, SUBCHKY / DNS, V DNS IN PT, SLT LT BRN STN IN PT, POR POR IN PT, NSFO, NO ODOR, NO FLUOR

DOLO - OFF WHT / TAN, VF / F XLN, SUBCHKY / CHKY, NS, NO ODOR, NO FLUOR

DOLO - OFF WHT / TAN, F XLN, CHTLTC, DNS, NS

DOLO - OFF WHT / TAN, F XLN, V CHTLTC, V DNS, NS

CHT - OFF WHT / TAN, FRSH, DOLOMTC, DNS, NS

CHT - OFF WHT / GY, FRSH, DOLOMTC, DNS, NS

CHT - OFF WHT / GY, FRSH, SLI DOLOMTC, DNS, NS

RTD 4220'

DST #2
MISSISSIPPIAN
 4123'-4136'
 30" -60" -90" -90"

IF: BOB in 1 1/2min
 ISI: No blow
 FF: BOB immed. GTS @ 35min. Guaged
 FSI: No blow

Rec: 45' Drlg mud (100% M)

FF @ 35 min GTS:
 40" 10 mcf/d
 50" 11 mcf/d
 60" 12 mcf/d
 70" 13 mcf/d
 80" 14 mcf/d
 90" 16 mcf/d

IH: 2052#
 IF: 14#-22#
 ISI: 691#
 FF: 22#-55#
 FSI: 680#
 FH: 2007#

WT 9.3
 VIS 57
 LCM 1/2#

DST #3
MISSISSIPPIAN
 4132'-4146'
 30" -60" -90" -90"

IF: BOB in 5min
 ISI: GTS on blow down, No blow back
 FF: BOB in 16min
 FSI: Blow back surf - 10"

Rec: 100' GOWCM (10% G, 5% O, 25% W, 60% M)

IH: 2082#
 IF: 21#-30#
 ISI: 595#
 FF: 33#-47#
 FSI: 671#
 FH: 2063#

WT 9.0
 VIS 57
 LCM 1 1/2#

Pipe strap 1.27'
 short to board.