



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1080715  
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: \_\_\_\_\_

1080715

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Morris-Brandyberry 34-1
Doc ID	1080715

Tops

Name	Top	Datum
Top Anhydrite	1786	+435
Base Anhydrite	1820	+401
Topeka	3220	-999
Heebner	3432	-1211
Toronto	3456	-1235
LKC	3472	-1251
BKC	3685	-1464
Arbuckle	3830	-1609



## DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86  
Plainville, KS 67663

ATTN: Marc Downing

**34-8s-22w Graham,KS**

**Morris Brandyberry #34-1**

Start Date: 2012.04.25 @ 14:30:00

End Date: 2012.04.25 @ 20:29:00

Job Ticket #: 46062                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.30 @ 14:51:51

H&C Oil Operating Inc.

Morris Brandyberry #34-1

34-8s-22w Graham,KS

DST # 1

LKC-H,I,J

2012.04.25



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

PO Box 86  
Plainville, KS 67663

ATTN: Marc Downing

**Morris Brandyberry #34-1**

**34-8s-22w Graham,KS**

Job Ticket: 46062

**DST#: 1**

Test Start: 2012.04.25 @ 14:30:00

## GENERAL INFORMATION:

Formation: **LKC-H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:30

Time Test Ended: 20:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 61

**Interval: 3590.00 ft (KB) To 3650.00 ft (KB) (TVD)**

Reference Elevations: 2221.00 ft (KB)

Total Depth: 3650.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8673**

**Inside**

Press @ Run Depth: 31.00 psig @ 3594.60 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25

End Date:

2012.04.25

Last Calib.:

2012.04.25

Start Time: 14:30:05

End Time:

20:28:59

Time On Btm:

2012.04.25 @ 16:27:30

Time Off Btm:

2012.04.25 @ 18:53:00

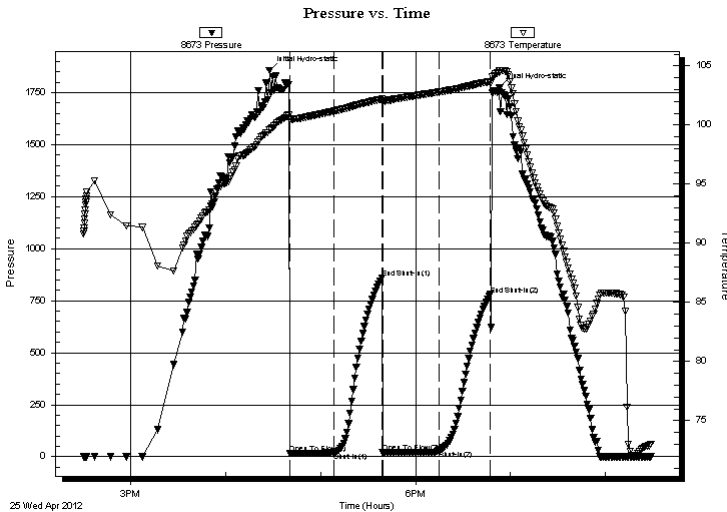
**TEST COMMENT:** IF: Weak surface blow, Died in 15 mins.

IS: No blow back over 30 mins

FF: No blow over 30 mins.

FS: No blow back over 30 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.82	99.61	Initial Hydro-static
13	16.31	100.45	Open To Flow (1)
41	19.80	101.18	Shut-In(1)
71	860.73	102.18	End Shut-In(1)
72	19.62	101.94	Open To Flow (2)
108	31.00	102.79	Shut-In(2)
140	779.58	103.67	End Shut-In(2)
146	1772.08	104.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud w ith oil specs	0.42

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

H&C Oil Operating Inc.

**Morris Brandyberry #34-1**

PO Box 86  
Plainville, KS 67663

**34-8s-22w Graham,KS**

Job Ticket: 46062 **DST#: 1**

ATTN: Marc Downing

Test Start: 2012.04.25 @ 14:30:00

### GENERAL INFORMATION:

Formation: **LKC-H,I,J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:30

Time Test Ended: 20:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreutzer Jr.

Unit No: 61

**Interval: 3590.00 ft (KB) To 3650.00 ft (KB) (TVD)**

Reference Elevations: 2221.00 ft (KB)

Total Depth: 3650.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8791 Outside**

Press @RunDepth: psig @ 3594.60 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.25 End Date: 2012.04.25

Last Calib.: 2012.04.25

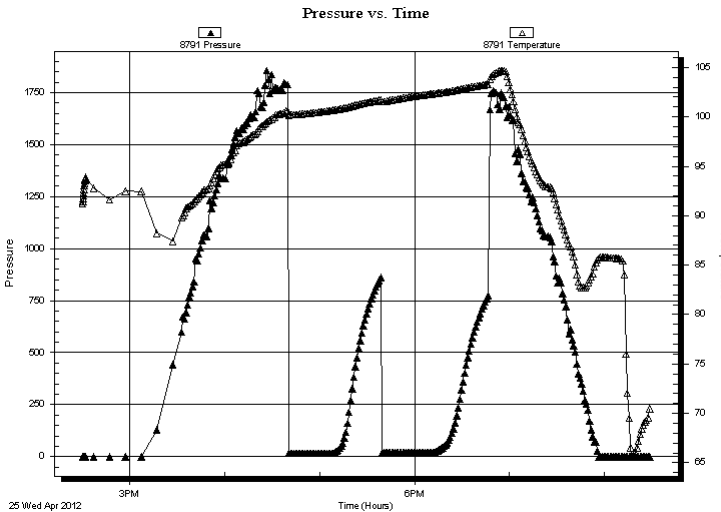
Start Time: 14:30:05 End Time: 20:28:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Weak surface blow , Died in 15 mins.  
IS: No blow back over 30 mins  
FF: No blow over 30 mins.  
FS: No blow back over 30 mins.

### PRESSURE SUMMARY



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

### Recovery

### Gas Rates

Length (ft)	Description	Volume (bbl)
30.00	mud w ith oil specs	0.42

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H&C Oil Operating Inc.

**Morris Brandyberry #34-1**

PO Box 86  
Plainville, KS 67663

**34-8s-22w Graham,KS**

ATTN: Marc Downing

Job Ticket: 46062

**DST#: 1**

Test Start: 2012.04.25 @ 14:30:00

## Tool Information

Drill Pipe:	Length: 3582.00 ft	Diameter: 3.80 inches	Volume: 50.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.25 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3590.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.59 ft			
Tool Length:	87.59 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3567.00	
Hydraulic tool	5.00			3572.00	
Jars	5.00			3577.00	
Safety Joint	3.00			3580.00	
Packer	5.00			3585.00	28.00 Bottom Of Top Packer
Packer	5.00			3590.00	
Stubb	1.00			3591.00	
Perforations	3.00			3594.00	
Change Over Sub	0.60			3594.60	
Recorder	0.00	8673	Inside	3594.60	
Recorder	0.00	8791	Outside	3594.60	
Blank Spacing	31.39			3625.99	
Change Over Sub	0.60			3626.59	
Perforations	20.00			3646.59	
Bullnose	3.00			3649.59	59.59 Bottom Packers & Anchor

**Total Tool Length: 87.59**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&C Oil Operating Inc.

**Morris Brandyberry #34-1**

PO Box 86  
Plainville, KS 67663

**34-8s-22w Graham,KS**

Job Ticket: 46062      **DST#: 1**

ATTN: Marc Downing

Test Start: 2012.04.25 @ 14:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w ith oil specs	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



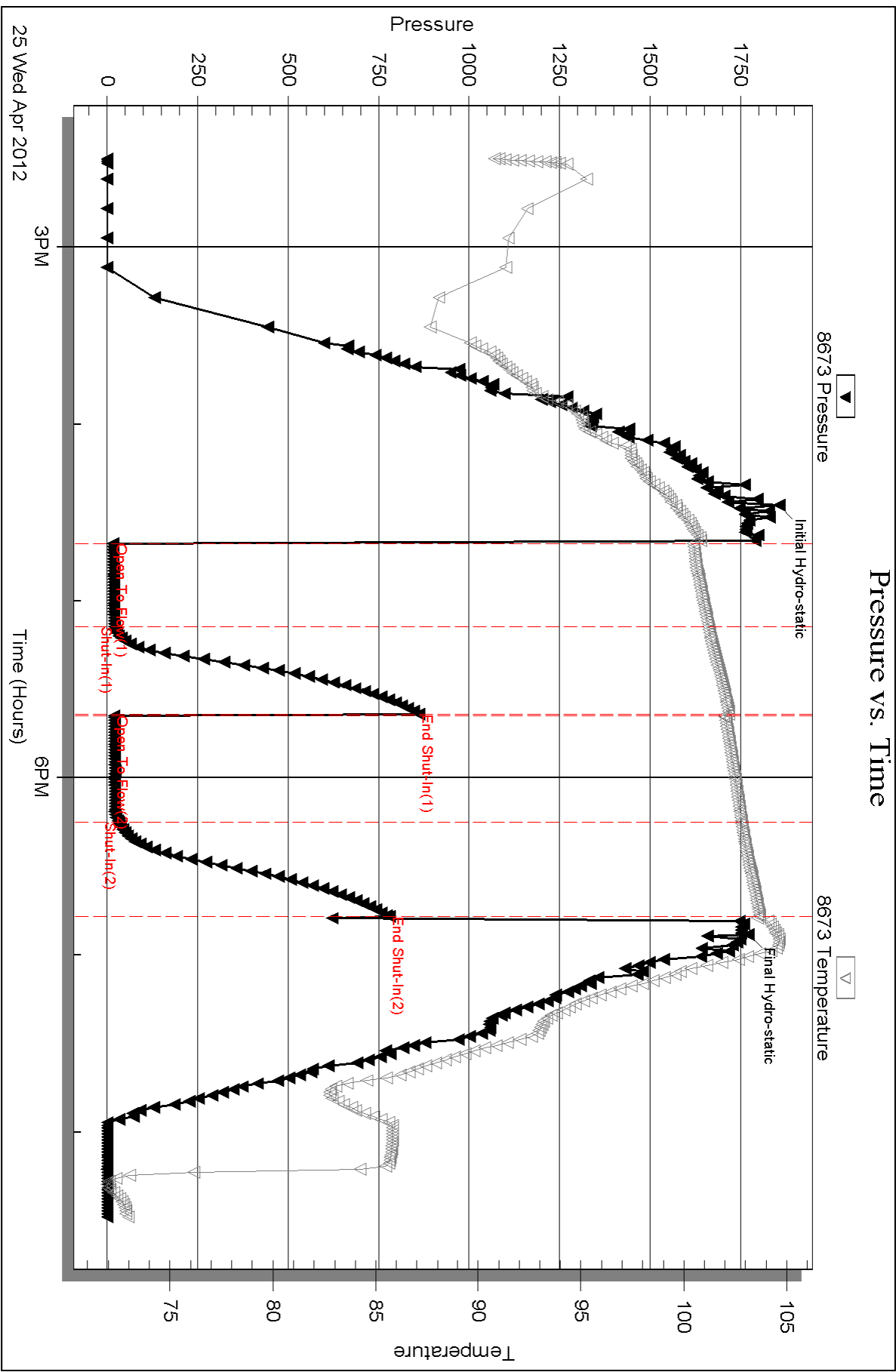
Serial #: 8673

Inside

H&C Oil Operating Inc.

34-85-22w Graham,KS

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46062

Printed: 2012.04.30 @ 14:51:53

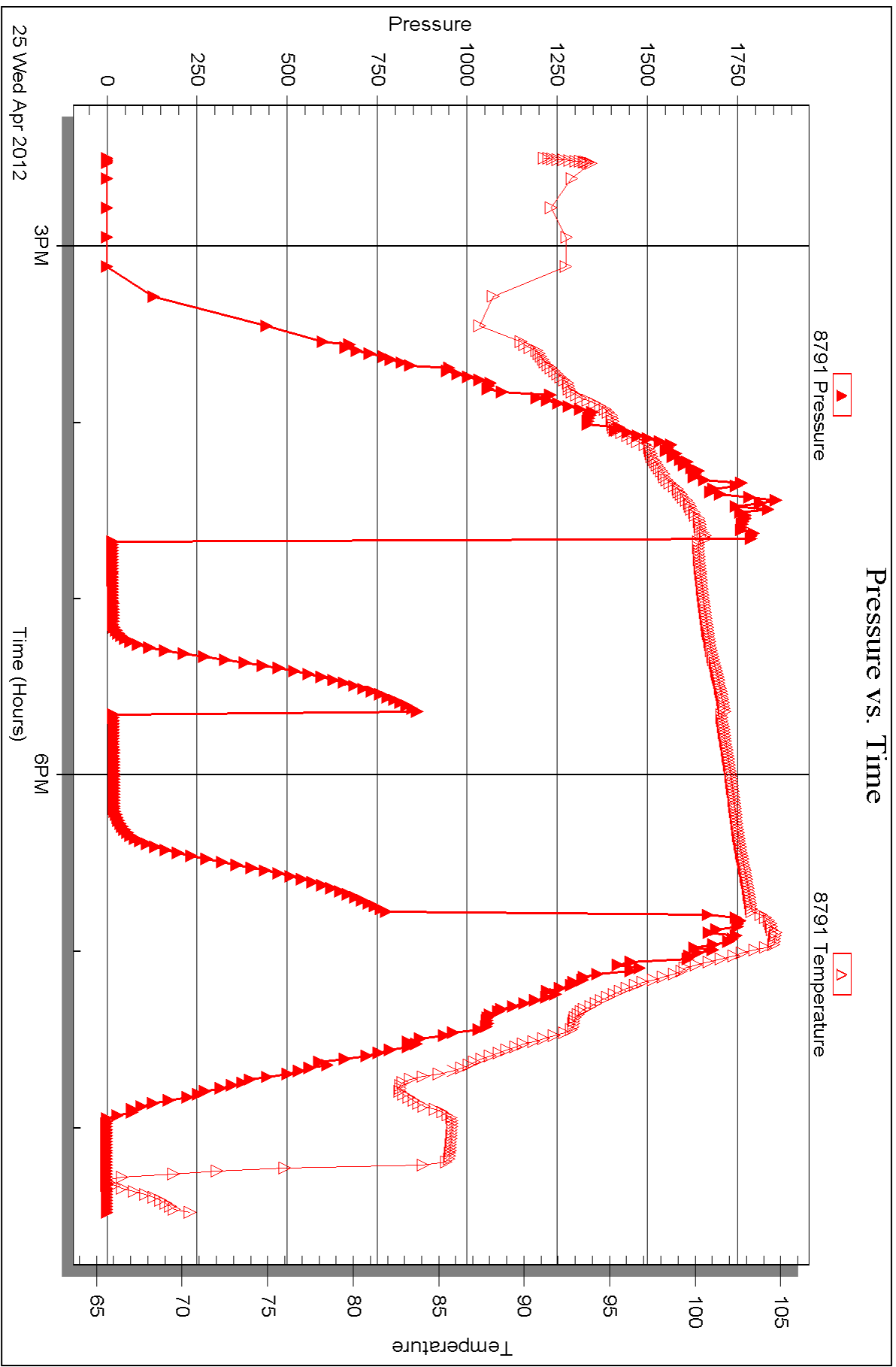
Serial #: 8791

Outside

H&C Oil Operating Inc.

34-85-22w Graham,KS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86  
Plainville, KS 67663

ATTN: Marc Downing

**34-8s-22w Graham,KS**

**Morris Brandyberry #34-1**

Start Date: 2012.04.27 @ 04:10:05

End Date: 2012.04.27 @ 10:15:59

Job Ticket #: 46063                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.30 @ 14:49:29

H&C Oil Operating Inc.

Morris Brandyberry #34-1

34-8s-22w Graham,KS

DST # 2

LKC-K

2012.04.27



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

PO Box 86  
Plainville, KS 67663

ATTN: Marc Downing

**Morris Brandyberry #34-1**

**34-8s-22w Graham,KS**

Job Ticket: 46063

**DST#: 2**

Test Start: 2012.04.27 @ 04:10:05

## GENERAL INFORMATION:

Formation: **LKC-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:19:30

Time Test Ended: 10:15:59

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

**Interval: 3648.00 ft (KB) To 3680.00 ft (KB) (TVD)**

Total Depth: 3890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2221.00 ft (KB)

2216.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8791**

**Inside**

Press @ Run Depth: 27.16 psig @ 3649.00 ft (KB)

Start Date: 2012.04.27

End Date:

2012.04.27

Start Time: 04:10:05

End Time:

10:15:59

Capacity: 8000.00 psig

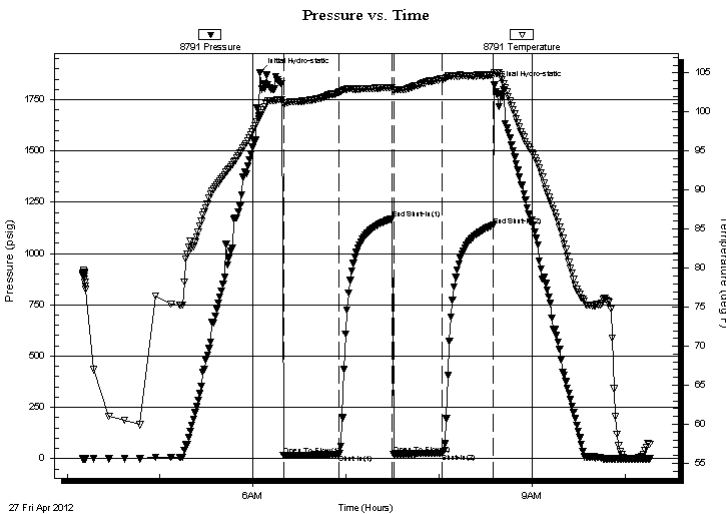
Last Calib.: 2012.04.27

Time On Btm: 2012.04.27 @ 06:04:30

Time Off Btm: 2012.04.27 @ 08:35:30

**TEST COMMENT:** IF: Weak surface blow over 30 mins.  
IS: No blow back over 30 mins.  
FF: Weak surface blow, Died in 10 mins.  
FS: No blow back over 30 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.06	99.61	Initial Hydro-static
15	15.01	101.12	Open To Flow (1)
51	22.99	102.54	Shut-In(1)
85	1170.07	103.14	End Shut-In(1)
86	22.06	102.68	Open To Flow (2)
118	27.16	104.20	Shut-In(2)
150	1136.66	104.65	End Shut-In(2)
151	1820.70	105.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
32.00	mud w ith oil specs	0.45

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

H&C Oil Operating Inc.

PO Box 86  
Plainville, KS 67663

ATTN: Marc Downing

**Morris Brandyberry #34-1**

**34-8s-22w Graham,KS**

Job Ticket: 46063

**DST#: 2**

Test Start: 2012.04.27 @ 04:10:05

## GENERAL INFORMATION:

Formation: **LKC-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:19:30

Time Test Ended: 10:15:59

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreutzer Jr.

Unit No: 61

**Interval: 3648.00 ft (KB) To 3680.00 ft (KB) (TVD)**

Reference Elevations: 2221.00 ft (KB)

Total Depth: 3890.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8673 Below (Straddle)**

Press @ Run Depth: psig @ 3681.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.27

End Date: 2012.04.27

Last Calib.: 2012.04.27

Start Time: 04:10:05

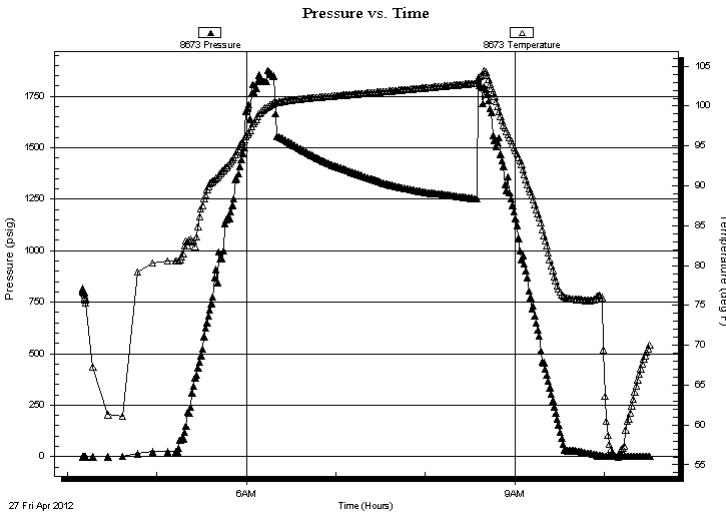
End Time: 10:30:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Weak surface blow over 30 mins.  
IS: No blow back over 30 mins.  
FF: Weak surface blow, Died in 10 mins.  
FS: No blow back over 30 mins.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
32.00	mud w ith oil specs	0.45

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H&C Oil Operating Inc.

**Morris Brandyberry #34-1**

PO Box 86  
Plainville, KS 67663

**34-8s-22w Graham,KS**

ATTN: Marc Downing

Job Ticket: 46063

**DST#: 2**

Test Start: 2012.04.27 @ 04:10:05

## Tool Information

Drill Pipe:	Length: 3645.00 ft	Diameter: 3.80 inches	Volume: 51.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 51.13 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3648.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	3676.00 ft			
Interval between Packers:	28.00 ft			
Tool Length:	265.57 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3630.00	
Hydraulic tool	5.00			3635.00	
Safety Joint	3.00			3638.00	
Packer	5.00			3643.00	23.00 Bottom Of Top Packer
Packer	5.00			3648.00	
Packer - Shale	0.00			3648.00	
Stubb	1.00			3649.00	
Recorder	0.00	8791	Inside	3649.00	
Recorder	0.00	8651	Outside	3649.00	
Perforations	26.00			3675.00	
Blank Off Sub	1.00			3676.00	28.00 Tool Interval
Packer	4.00			3680.00	
Stubb	1.00			3681.00	
Recorder	0.00	8673	Below	3681.00	
Perforations	2.00			3683.00	
Change Over Sub	0.60			3683.60	
Blank Spacing	188.37			3871.97	
Change Over Sub	0.60			3872.57	
Perforations	15.00			3887.57	
Bullnose	3.00			3890.57	214.57 Bottom Packers & Anchor

**Total Tool Length: 265.57**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&C Oil Operating Inc.

**Morris Brandyberry #34-1**

PO Box 86  
Plainville, KS 67663

**34-8s-22w Graham,KS**

Job Ticket: 46063

**DST#: 2**

ATTN: Marc Downing

Test Start: 2012.04.27 @ 04:10:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
32.00	mud w ith oil specs	0.449

Total Length: 32.00 ft      Total Volume: 0.449 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

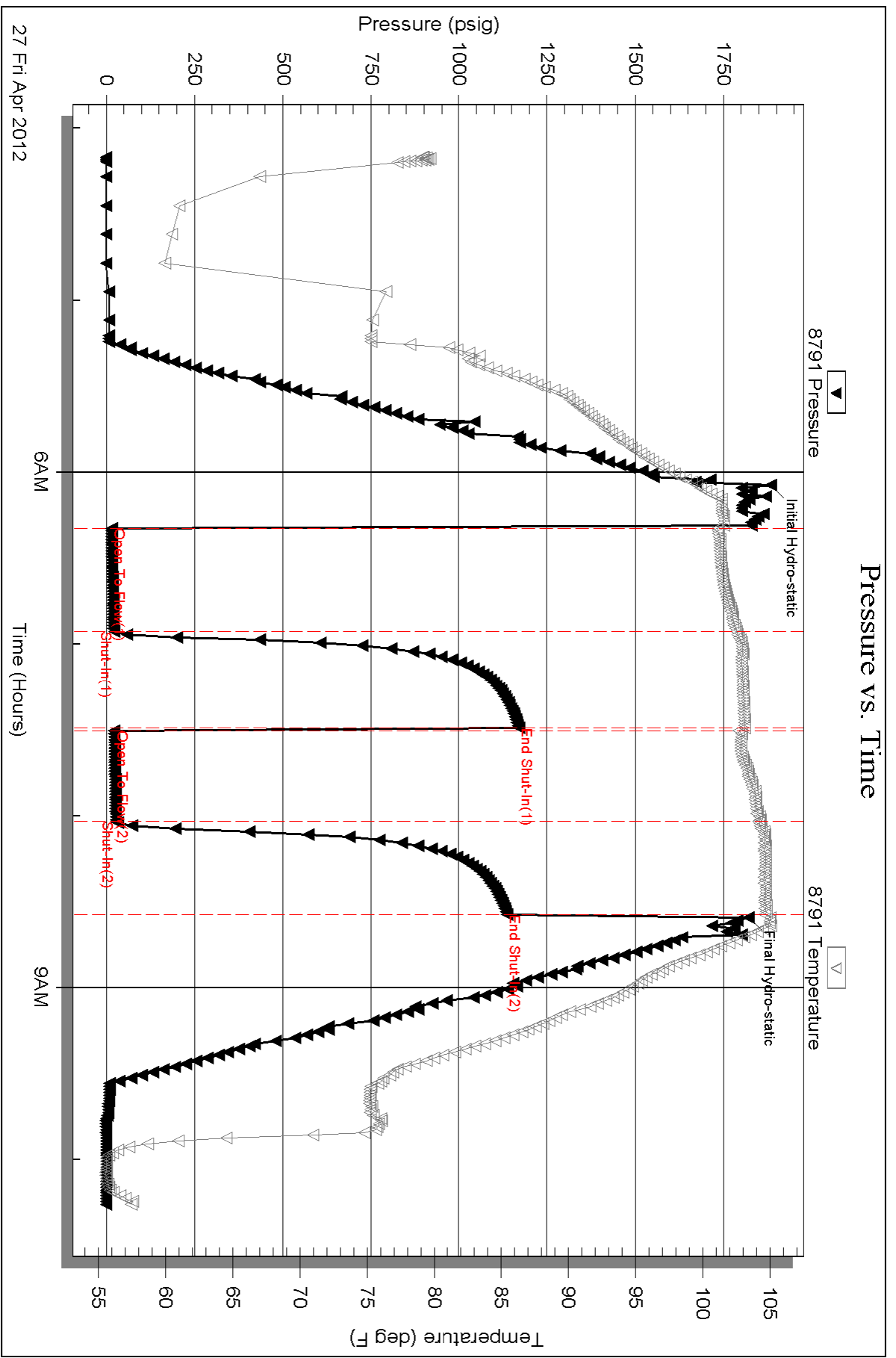
Serial #: 8791

Inside

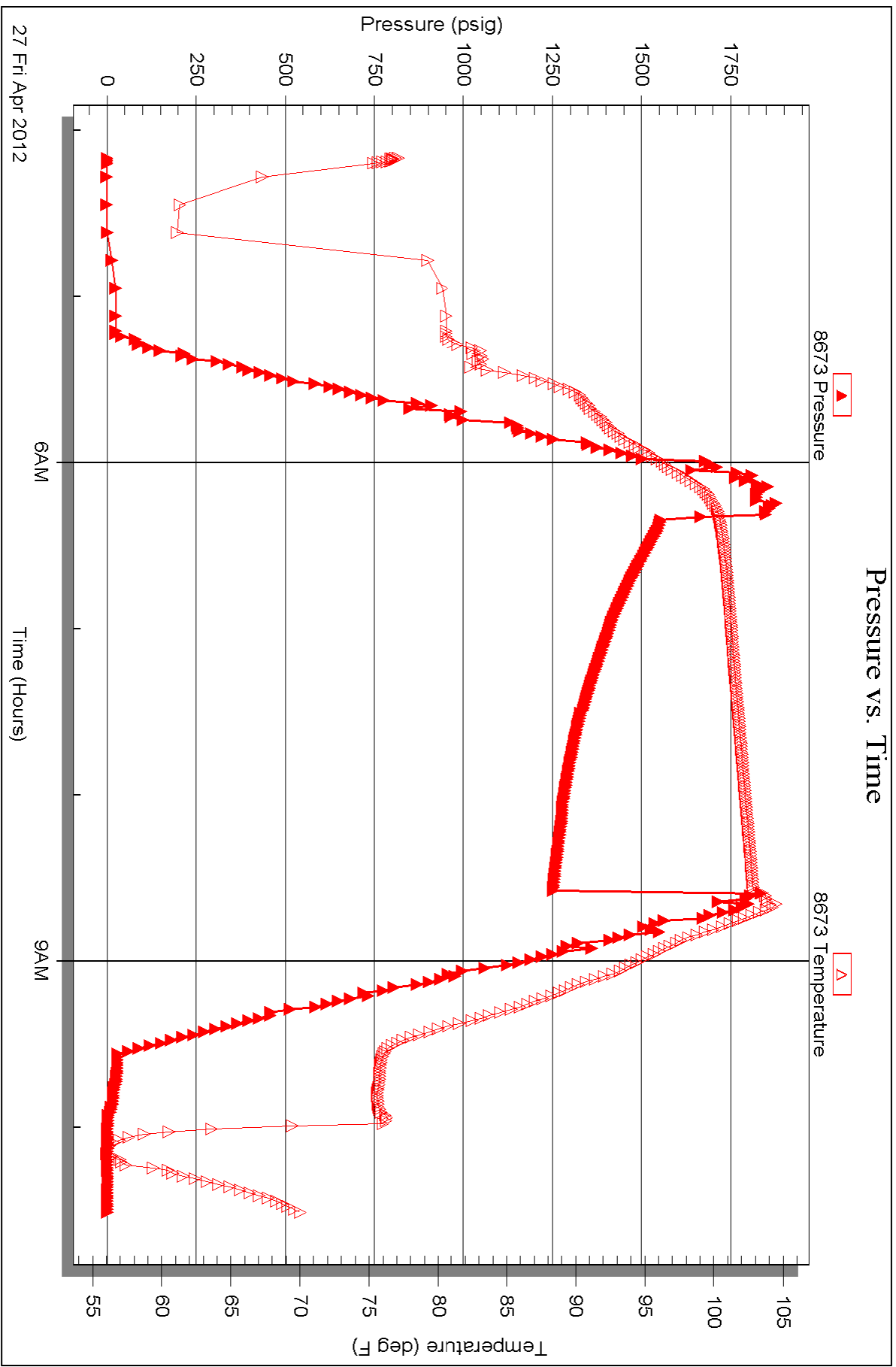
H&C Oil Operating Inc.

34-85-22w Graham,KS

DST Test Number: 2









# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 27 2012

H C Morris 341 DST1

Test Ticket

8673

NO. 46062

Well Name & No. Morris Brandyberry 34-1 Test No. 1 Date 4-25-2012  
 Company HFC oil operating Inc. Elevation 2221 KB 2216 GL  
 Address P.O. Box 86 Plainville, Ks 67663  
 Co. Rep / Geo. Mark Downing Rig American Eagle #3  
 Location: Sec. 34 Twp. 8S Rge. 22W Co. Graham State Ks

Interval Tested 3590 3650 Zone Tested LRC-H-5  
 Anchor Length 60 Drill Pipe Run 3582 Mud Wt. 9.1  
 Top Packer Depth 3585 Drill Collars Run -0- Vis 53  
 Bottom Packer Depth 3590 Wt. Pipe Run -0- WL 6.4  
 Total Depth 3650 Chlorides 1300 ppm System LCM 2#

Blow Description FF: Weak surface blow, died in 15 mins.

ISI: No blow back over 30 mins

FF: No blow over 30 mins.

FST: No blow back over 30 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud with oil spears</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 30 BHT 107.3 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic  Test 1150 T-On Location 13:30  
 (B) First Initial Flow  Jars T-Started 14:30  
 (C) First Final Flow  Safety Joint T-Open 16:40  
 (D) Initial Shut-In  Circ Sub T-Pulled 18:35  
 (E) Second Initial Flow  Hourly Standby T-Out 20:29  
 (F) Second Final Flow  Mileage 160RT 248 Comments  
 (G) Final Shut-In  Sampler  
 (H) Final Hydrostatic  Straddle  Ruined Shale Packer

Ruined Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 0  
 Total 1398  
 MP/DST Disc't  
 Sub Total 1398

Approved By \_\_\_\_\_ Our Representative Chuck Thompson

Tritobite 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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 30 2012

## Test Ticket

BY: \_\_\_\_\_

NO. 46063

Well Name & No. Morris Brandyberry 34- Test No. 2 Date 4-27-2012  
 Company H&C oil operating Inc. Elevation 2221 KB 2216 GL  
 Address P.O. Box 86 Plainville, Ks. 67663  
 Co. Rep / Geo. Marc Downing Rig American Eagle #12  
 Location: Sec. 34 Twp. 8s Rge. 22w Co. Graham State Ks

Interval Tested 3648 3680 Zone Tested LKC-K  
 Anchor Length 32 Drill Pipe Run 3615 Mud Wt. 9.4  
 Top Packer Depth 3643 Drill Collars Run -0- Vis 5.4  
 Bottom Packer Depth 3680 Wt. Pipe Run -0- WL 6.4  
 Total Depth 3890 Chlorides 1300 ppm System LCM 2#

Blow Description IF: Weak surface blow, over 30 mins.  
ISI: No blow back  
FF: Weak surface blow. Died in 10 mins.  
FBI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>32</u>	<u>mud with oil specs</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 32 BHT 104.6 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1883  Test 1150 T-On Location 1:00  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 4:10  
 (C) First Final Flow 23  Safety Joint \_\_\_\_\_ T-Open 6:19  
 (D) Initial Shut-In 1170  Circ Sub \_\_\_\_\_ T-Pulled 16:20 8:38  
 (E) Second Initial Flow 22  Hourly Standby 1/2 hr 50 T-Out 10:31  
 (F) Second Final Flow 27  Mileage 80x2 = 160x1. 248 Comments Couldn't get 2nd log to bottom, had to wait on orders.  
 (G) Final Shut-In 1137  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic 1821  Straddle 600  Ruined Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 150.03  
 Final Shut-In 30  Day Standby 1 day + 4.5 hrs Total 2198.03  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2048

Approved By \_\_\_\_\_ Our Representative Cheryl K...

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.

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 09, 2012

Charles Ramsay  
H & C Oil Operating Inc.  
PO BOX 86  
PLAINVILLE, KS 67663-0086

Re: ACO1  
API 15-065-23826-00-00  
Morris-Brandyberry 34-1  
NW/4 Sec.34-08S-22W  
Graham County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Charles Ramsay



# 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. 379

Date	4-27-12	Sec.	34	Twp.	8	Range	22	County	GRAHAM	State	KANSAS	On Location	5:15 PM
Lease	MOERS-BERRY, BERRY Well No. 34-1 Location BOGUE-PHILL-3W TO 370RD-2S-3W												
Contractor	AMERICAN Eagle #3 Owner H&C OIL OPERATING INC.												
Type Job	ROYAL PLUG To Quality Oilwell Cementing, Inc.												
Hole Size	8 7/8" You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Csg.	5 1/2" Charge H&C OIL OPERATING INC.												
Tbg. Size	To PO. BOX 816												
Tool	City PLAINVILLE State KANSAS L67063												
Cement Left in Csg.	The above was done to satisfaction and supervision of owner agent or contractor.												
Meas Line	Cement Amount Ordered 230 SKS 2 1/4" - 4 1/2" GEL-T FLO												
<b>EQUIPMENT</b>													
Pumptrk	No.	Cementite											
	#15	PAUL											
Bulktrk	No.	Driver											
	10	BEIAN											
Bulktrk	No.	Driver											
	P/u	ALISO											
<b>JOB SERVICES &amp; REMARKS</b>													
Remarks:													
Rat Hole	30												
Mouse Hole	-												
Centralizers													
Baskets													
D/V or Port Collar	CFL-117 or CD110 CAF 38												
	PLUGS SKS OF CEMENT												
	1ST @ 3809' 25 SKS.												
	2ND @ 1800' 25 SKS.												
	3RD @ 925' 100 SKS.												
	4TH @ 275' 40 SKS.												
	5TH @ 40' 10 SKS.												
	RAF-HOLE 30 SKS.												
	230 SKS												
	230 SKS												
	THANK YOU!												
	1 - 8 5/8" Day Hole PLUG												
	Pumptrk Charge plug												
	Mileage 46												
	Tax												
	Discount												
	Total Charge												
Signature <i>Paul M...</i>													

# 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. 332

Sec.	Twp.	Range	County	State	On Location	Finish
34	8	22	Craham	KS		11/15/04
Date 4-21-12			Location Begue & PTA 3 to 3200 25 12W			
Lease Morris Brandy Barry			Well No. 34-1			
Contractor Am. Engr. Eagle #3			Owner Site			
To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Surface					
Hole Size	12 1/4					
Csg.	8 5/8					
Tbg. Size						
Tool						
Cement Left in Csg.	15'					
Meas Line	Displace 13 1/2 B/L					
<b>EQUIPMENT</b>						
Pumptrk	No.	Cementer	Common			
Bulktrk	No.	Driver	Z			
Bulktrk	No.	Driver	S			
Bulktrk	No.	Driver	S			
<b>JOB SERVICES &amp; REMARKS</b>						
Remarks: Morris Brandy Barry						
Rat Hole						
Mouse Hole						
Centralizers						
Baskets						
DN or Port Collar						
8 5/8 on Bottom Est. Circulation. MIX LOSS & DISPLAC.						
CEMENT CIRCULATED						
<b>FLOAT EQUIPMENT</b>						
Guide Shoe						
Centralizer						
Baskets						
AFU Inserts						
Float Shoe						
Latch Down						
Pumptrk Charge Surface						
Mileage 46						
					Tax	
					Discount	
					Total Charge	
Signature: Brandy Barry						



COMPANY H&C Oil Drilling, Inc.  
 WELL Morris-Grandberry #39-1

FIELD Ulibek  
 LOCATION 6608 Fm + 2608 Fm  
 SEC. 34 T1P 4S R0E 22W  
 COUNTY Graham  
 STATE Kansas

PRODUCTION O/A  
 ELEVATION KB 2221  
 DF  
 GI 2216

Drilling Interval From: 3250 to: TD  
 Sample Start From: 3150 to: TD  
 Drilling Time From: 3250 to: TD  
 Sample End Time From: 3200 to: TD  
 Operator American Engr. & Log #3 5  
 Company H&C Oil Drilling, Inc.  
 Geologist Supervisor Marc Downing  
 Date 4-26-12  
 Well Name Morris-Grandberry #39-1  
 Log Title Log-Tech

NA CASING RECORD  
 SURF: 85% @ 228 PROD: None  
 TOTAL DEPTH DRILLERS: 3890'  
 TOTAL DEPTH LOG: 3890'

FORMATION TOPS AND STRUCTURAL POSITION			
FORMATION	SURF ELEVATION	LOG ELEVATION	STRUCTURAL POSITION
Tg. Anhydrite	NA	1880	16
Tg. Base Anhydrite	NA	1451	16
Topoka	3219	-989	-11
Headwater	3192	-1211	-8
Toronto	3165	-1235	-6
LKC	3147	-1251	-6
BKC	3128	-1469	-11
Arbusckle	3109	-1609	-15

REFERENCE WELL FOR STRUCTURE: Risk-Science Exploration, Inc.  
 Well: Grandberry #1 NE-NE-NE Sec. 34, T1P-22S

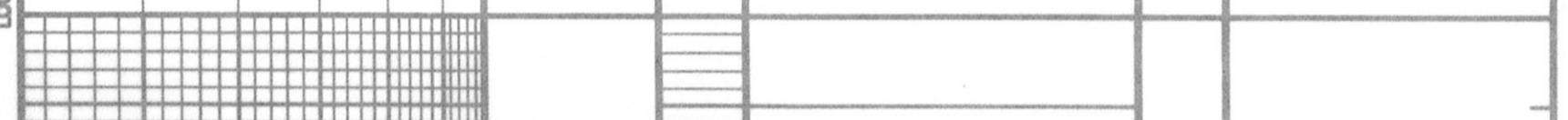
DATE	DAILY PENETRATION	BIT RECORD		FEET	HOURS
		NO	SIZE		

DRILL STEM TESTS					
No.	Interval	FP/Time	ISP/Time	RP/Time	HP-MH

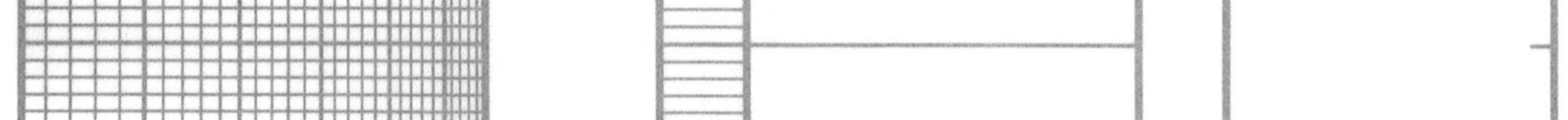
REMARKS AND RECOMMENDATIONS: Due to structural position, DST recovery & log evaluation, it was decided to plug & abandon the test hole.

1517 007

LEGEND



DRILLING TIME IN MINUTES PER FOOT



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
3100				
3200				
3300				
3400				
3500				
3600				
3700				
3800				
3900				



OST #1  
 3590-3650  
 30-30-30-30  
 I.F. Surf. died in 15min  
 F.F. Dead  
 I.F.P: 16-20  
 F.F.P: 22-31  
 S.P: 961-790  
 H.P: 1457-1772  
 Rec:  
 30' mud w/ oil spots.  
 BHT: 104°

OST #2  
 3648-3649  
 30-30-30-30  
 I.F. Surf  
 F.F. Surf. Died 10min  
 I.F.P: 15-23  
 F.F.P: 22-27  
 S.P: 1170-1137  
 H.P: 1483-1421  
 Rec:  
 32' mud w/ oil spots.  
 BHT: 105°

3996(1669)  
 3890(1669)