



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1074735

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Horchem E 3
Doc ID	1074735

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Cement Bond
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Horchem E 3
Doc ID	1074735

Tops

Name	Top	Datum
Anhydrite	2073	
Heebner	3932	
Toronto	3947	
Lansing	3963	
Base Kansas City	4274	
Pawnee	4402	
Fort Scott	4461	
Mississippi	4550	

ALLIED CEMENTING CO., LLC. 037369

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Creat Bend les

DATE <u>9-24-11</u>	SEC. <u>28</u>	TWP. <u>16</u>	RANGE <u>26 W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 am</u>	JOB FINISH <u>8:30 am</u>
LEASE <u>Horsehem</u>		WELL# <u>3</u>		LOCATION <u>Utrea 25 Bar 1/2 S Enter</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Southern Drilling Rig # 70 OWNER H+B Petroleum

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 415 CEMENT

CASING SIZE 8 3/8 24# DEPTH 412 AMOUNT ORDERED 260 sa com 3% ce

TUBING SIZE DEPTH 2% gel

DRILL PIPE 4 1/2 DEPTH 415

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 44.35

PERFS.

DISPLACEMENT freshwater

EQUIPMENT

PUMP TRUCK CEMENTER Bob Keller

398 HELPER Doug Dutton

BULK TRUCK

344-70 DRIVER Doug

BULK TRUCK

DRIVER

REMARKS:

Booze on bottom break circulation with
big mud mix in com 3% ce 2% gel
shut down release plug and displace
23.41 bbl freshwater and shut in.
Cement did circulate

CHARGE TO: H+B Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., 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 L. Cole Thompson

SIGNATURE L. Cole Thompson

Thompson

COMMON 260 @ 16.25 4,225.00

POZMIX @

GEL 5 @ 21.25 106.25

CHLORIDE 9 @ 58.20 523.80

ASC @

@

@

@

@

HANDLING 274 @ 2.25 616.50

MILEAGE 274 x 35 x .11 1054.90

TOTAL 6,526.45

SERVICE

DEPTH OF JOB 412

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE HVM 70 @ 7.00 490.00

MANIFOLD @

LV m 70 @ 4.00 280.00

Head + Manifold @

TOTAL 1895.00

PLUG & FLOAT EQUIPMENT

8 3/8 haffle plate @ 112.00 112.00

8 3/8 Rubber plug @ 112.00 112.00

@

@

TOTAL 224.00

SALES TAX (If Any) _____

TOTAL CHARGES 8,645.45

DISCOUNT 20% 20% 2,641.54 IF PAID IN 30 DAYS

6003.91

ALLIED CEMENTING CO., LLC. 043507

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Dakley

DATE <u>10-4-11</u>	SEC. <u>28</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00pm</u>	JOB FINISH <u>2:30pm</u>
LEASE <u>Horchem E</u>	WELL # <u>3</u>	LOCATION <u>utica 30 Yds E into</u>			COUNTY <u>Wagon</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR South wind #70

TYPE OF JOB Production

HOLE SIZE 2 7/8 T.D.

CASING SIZE 5/2 DEPTH 4628'

TUBING SIZE DEPTH 4620'

DRILL PIPE DEPTH

TOOL Port collar DEPTH 2106'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 12.98'

CEMENT LEFT IN CSG. 12.98'

PERFS.

DISPLACEMENT 109.83

EQUIPMENT

OWNER same

CEMENT

AMOUNT ORDERED 95 sks 4940 4940 gel

1/4" Flo-seal 150 sks com 108 salt

296 gel

COMMON 207 sks @ 16.25 3363.25

POZMIX 38 sks @ 8.50 323.00

GEL 6 sks @ 21.25 127.50

CHLORIDE @

ASC @

salt 15 sks @ 23.95 359.25

Flo-seal 23# @ 2.70 62.10

HANDLING 267 sks @ 2.25 600.25

MILEAGE 114 sk/mile 1027.95

TOTAL 5864.30

REMARKS:

Plug mousehole Rathole
start mixing cement down sta
casing. Cement mixed wash
pump and lines clean release
plug start Displacement
1200* lift 1300* land plug
float hold.

thank you

SERVICE

DEPTH OF JOB 4628'

PUMP TRUCK CHARGE 2405.00

EXTRA FOOTAGE @

MILEAGE 35 miles x 2 @ 7.00 490.00

MANIFOLD head @ 200.00

Light vehicle @ 4.00 280.00

TOTAL 3375.00

CHARGE TO: H + B Petroleum

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

5/2

1 AFU Guide shoe @ 349.00

1 Latchdown plug Assy @ 227.00

8 Centralizers @ 49.00 392.00

3 Baskets @ 337.00 1011.00

8 Reciprocating scratch @ 76.00 608.00

1 Port collar 260.00

TOTAL 5237.00

To Allied Cementing Co., LLC.
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SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE [Signature]



ALLIED CEMENTING CO., LLC. 036090

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Dakley, KS

DATE <u>10-17-11</u>	SEC. <u>28</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT <u>1:30pm</u>	ON LOCATION <u>1:30pm</u>	JOB START <u>5:00pm</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>Horchum E</u>	WELL # <u>3</u>	LOCATION <u>Utica 3W, Y25, Easto</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Trinity Oilfield Service OWNER Same

TYPE OF JOB production port collar

HOLE SIZE	T.D.
CASING SIZE	DEPTH
TUBING SIZE <u>2 7/8</u>	DEPTH <u>2094'</u>
DRILL PIPE	DEPTH
TOOL <u>port collar</u>	DEPTH <u>2094'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>8.17 bbl</u>	

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>hakeme</u>
	HELPER <u>Darwin</u>
BULK TRUCK # <u>394/112</u>	DRIVER <u>Ethan, Brandon</u>
BULK TRUCK #	DRIVER

CEMENT

AMOUNT ORDERED 4255kg 60/40 690gel
1/4 # flo seal, 20s/kg gel inside

COMMON	<u>165 sks @ 16.25</u>	<u>2681.25</u>
POZMIX	<u>110 sks @ 8.50</u>	<u>935.00</u>
GEL	<u>34 sks @ 21.25</u>	<u>722.50</u>
CHLORIDE	@	
ASC	@	
<u>flo seal 70#</u>	<u>@ 2.70</u>	<u>189.00</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>471 sks @ 2.25</u>	<u>1059.75</u>
MILEAGE	<u>114 sk/mile</u>	<u>1813.35</u>
		TOTAL <u>7400.85</u>

REMARKS:

pressure system to 1000#
open port collar, break circulation
mix 20s/kg gel, mix 275sk
cannot close port collar & test
to 1000# Run in 6 joints, wash
up pump (no backout 35 bbl
water. cement circulated.
Thank you.

SERVICE

DEPTH OF JOB	<u>2094'</u>	
PUMP TRUCK CHARGE		<u>2125.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>35 x 2 @ 7.00</u>	<u>490.00</u>
MANIFOLD	@	
<u>light vehicle mileage</u>	<u>@ 4.00</u>	<u>280.00</u>
	@	

CHARGE TO: Hd B Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2895.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
		TOTAL _____

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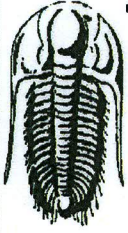
SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE M. H. ...



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&B Petroleum Corporation

28-16s-26w Ness,KS

PO Box 277
Ellinwood, KS 67526

Horchem E #3

Job Ticket: 43490

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.10.01 @ 21:52:55

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:15:10

Time Test Ended: 08:11:55

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: **4436.00 ft (KB) To 4507.00 ft (KB) (TVD)**

Reference Elevations: 2654.00 ft (KB)

Total Depth: 4507.00 ft (KB) (TVD)

2642.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8673

Inside

Press@RunDepth: 35.36 psig @ 4504.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.01 End Date: 2011.10.02

Last Calib.: 2011.10.02

Start Time: 21:52:57 End Time: 08:11:55

Time On Btm: 2011.10.02 @ 03:14:55

Time Off Btm: 2011.10.02 @ 05:26:55

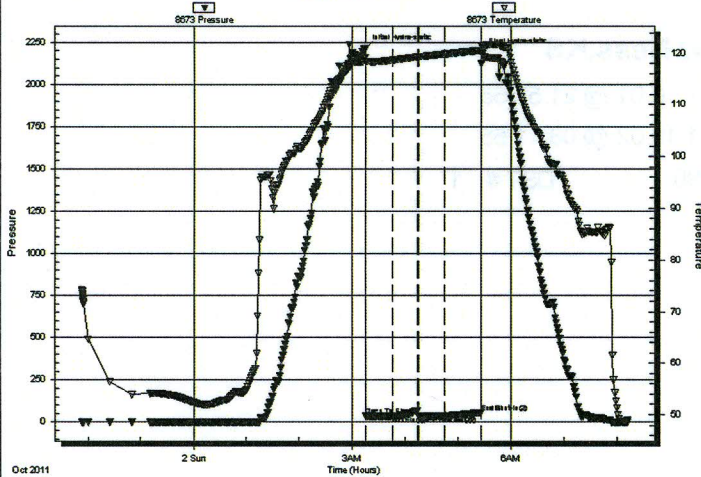
TEST COMMENT: IFF-Weak Blow, Dead in 8 Min.

ISI-Dead

FFP-Dead

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.10	119.13	Initial Hydro-static
1	34.21	118.36	Open To Flow (1)
31	34.77	118.66	Shut-In(1)
60	67.33	119.27	End Shut-In(1)
60	34.49	119.26	Open To Flow (2)
90	35.36	119.81	Shut-In(2)
131	56.06	120.53	End Shut-In(2)
132	2192.86	121.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum Corporation

28-16s-26w Ness,KS

PO Box 277
Ellinwood, KS 67526

Horchem E #3

Job Ticket: 43490

DST#: 1

ATTN: Jim Musgrove

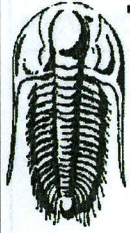
Test Start: 2011.10.01 @ 21:52:55

Tool Information

Drill Pipe:	Length: 4423.00 ft	Diameter: 3.80 inches	Volume: 62.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 70000.00 lb
		Total Volume: 62.04 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4436.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4409.00	
Shut In Tool	5.00			4414.00	
Hydraulic tool	5.00			4419.00	
Jars	5.00			4424.00	
Safety Joint	2.00			4426.00	
Packer	5.00			4431.00	28.00 Bottom Of Top Packer
Packer	5.00			4436.00	
Stubb	1.00			4437.00	
Perforations	3.00			4440.00	
Change Over Sub	1.00			4441.00	
Blank Spacing	62.00			4503.00	
Change Over Sub	1.00			4504.00	
Recorder	0.00	8673	Inside	4504.00	
Recorder	0.00	8736	Outside	4504.00	
Bullnose	3.00			4507.00	71.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum Corporation

28-16s-26w Ness,KS

PO Box 277
Ellinwood, KS 67526

Horchem E #3

Job Ticket: 43490

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.10.01 @ 21:52:55

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

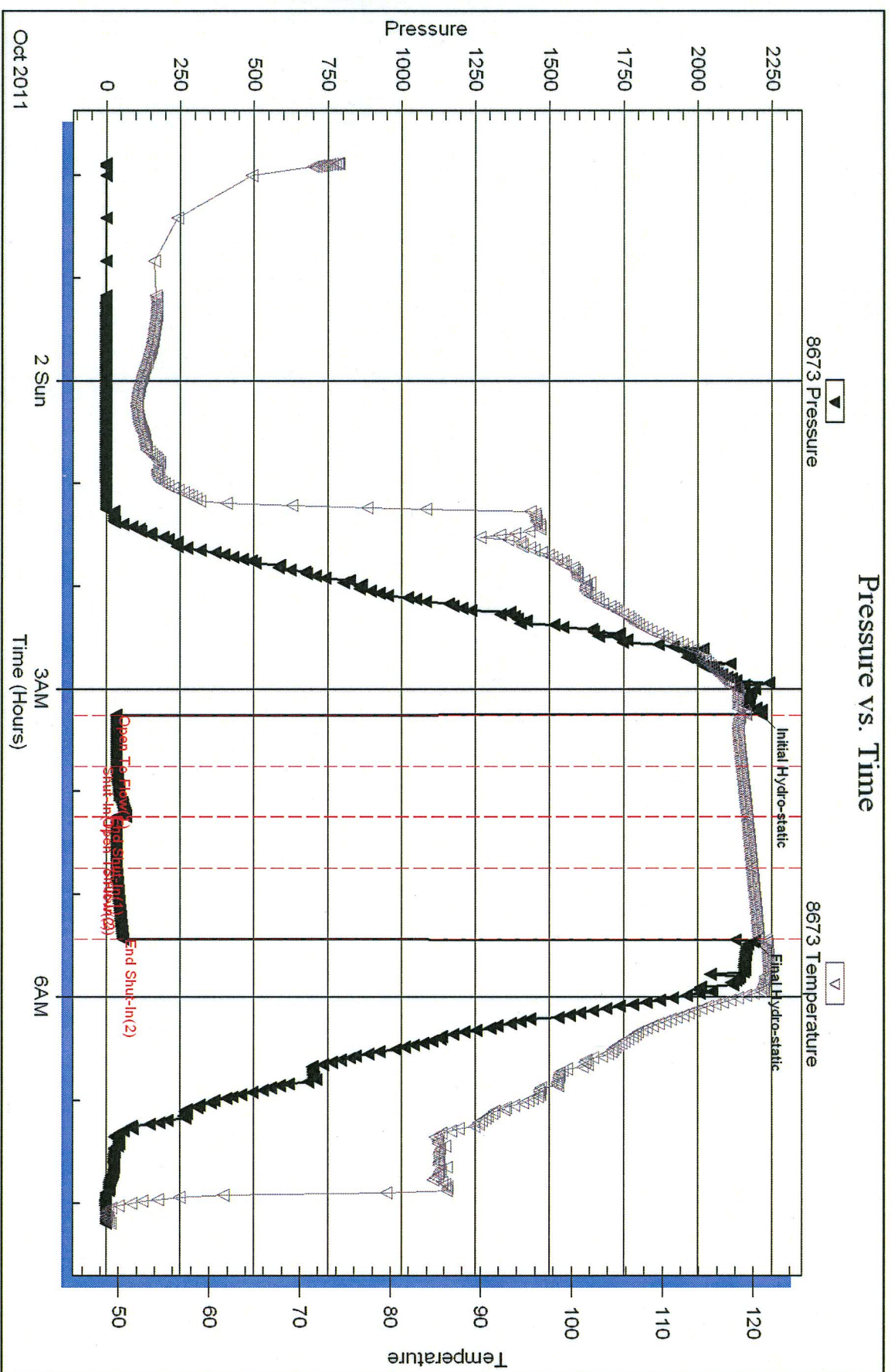
Serial #: 8673

Inside

H&B Petroleum Corporation

Horchem E#3

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 43490

Printed: 2011.10.06 @ 13:39:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&B Petroleum Corporation

28-16s-26w Ness, KS

PO Box 277
Elinwood, KS 67526

Horchem E #3

Job Ticket: 43491 **DST#: 2**

ATTN: Jim Musgrove

Test Start: 2011.10.02 @ 19:41:50

GENERAL INFORMATION:

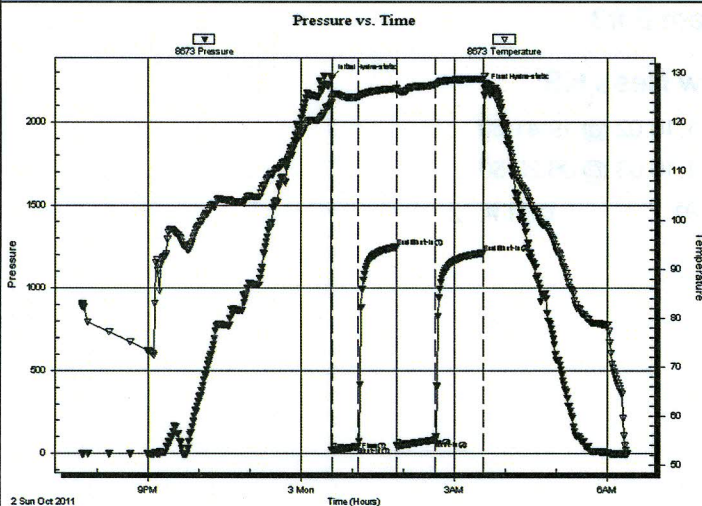
Formation: **Missippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:35
 Time Test Ended: 06:23:50
 Interval: **4559.00 ft (KB) To 4570.00 ft (KB) (TVD)**
 Total Depth: 4570.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2654.00 ft (KB)
 2642.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8673

Inside

Press@RunDepth: 81.42 psig @ 4563.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.02 End Date: 2011.10.03 Last Calib.: 2011.10.03
 Start Time: 19:41:52 End Time: 06:23:50 Time On Btm: 2011.10.03 @ 00:35:20
 Time Off Btm: 2011.10.03 @ 03:35:05

TEST COMMENT: IFF-Fair Blow, Built to 8"
 ISI-Surface Blow back for 10 Min.
 FFP-Good Blow, BOB in 45 Min.
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.45	124.64	Initial Hydro-static
1	20.52	123.84	Open To Flow (1)
32	42.88	125.11	Shut-In(1)
77	1248.09	126.79	End Shut-In(1)
77	46.64	126.28	Open To Flow (2)
122	81.42	127.52	Shut-In(2)
179	1212.40	128.73	End Shut-In(2)
180	2203.88	129.35	Final Hydro-static

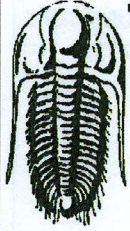
Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM-25%O-75%M	0.42
150.00	Free Oil	2.10
0.00	180' Gas In Pipe	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

H&B Petroleum Corporation

28-16s-26w Ness, KS

PO Box 277
Ellinwood, KS 67526

Horchem E #3

Job Ticket: 43491

DST#: 2

ATTN: Jim Musgrove

Test Start: 2011.10.02 @ 19:41:50

Tool Information

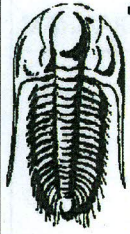
Drill Pipe:	Length: 4548.00 ft	Diameter: 3.80 inches	Volume: 63.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume:	63.80 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4559.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4532.00	
Shut In Tool	5.00			4537.00	
Hydraulic tool	5.00			4542.00	
Jars	5.00			4547.00	
Safety Joint	2.00			4549.00	
Packer	5.00			4554.00	28.00 Bottom Of Top Packer
Packer	5.00			4559.00	
Stubb	1.00			4560.00	
Perforations	3.00			4563.00	
Recorder	0.00	8673	Inside	4563.00	
Recorder	0.00	8736	Outside	4563.00	
Perforations	4.00			4567.00	
Bullnose	3.00			4570.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum Corporation

28-16s-26w Ness,KS

PO Box 277
Ellinwood, KS 67526

Horchem E #3

Job Ticket: 43491

DST#: 2

ATTN: Jim Musgrove

Test Start: 2011.10.02 @ 19:41:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM-25%O-75%M	0.421
150.00	Free Oil	2.104
0.00	180' Gas In Pipe	0.000

Total Length: 180.00 ft

Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8673

Inside

H&B Petroleum Corporation

Horchem E#3

DST Test Number: 2

