



KANSAS CORPORATION COMMISSION 1074735
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32158
Name: H & B Petroleum Corp.
Address 1: PO BOX 277
Address 2: _____
City: ELLINWOOD State: KS Zip: 67526 + _____
Contact Person: Al Hammersmith
Phone: (620) 564-3002
CONTRACTOR: License # 34066
Name: Trinity Oilfield Services Inc.
Wellsite Geologist: Jim Musgrove
Purchaser: NCRA

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 #: _____
09/24/2011 10/04/2011 10/19/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-135-25299-00-00
Spot Description: _____
SE SW NE NW Sec. 28 Twp. 16 S. R. 26 East West
1190 Feet from North / South Line of Section
1780 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Horchem E Well #: 3
Field Name: Unice South
Producing Formation: Mississippi
Elevation: Ground: 2644 Kelly Bushing: 2656
Total Depth: 4618 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 395 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2094 Feet
If Alternate II completion, cement circulated from: 2094
feet depth to: 0 w/ 425 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 3200 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
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: Deanna Garrison Date: 02/24/2012



1074735

Operator Name: H & B Petroleum Corp. Lease Name: Horchem E Well #: 3
 Sec. 28 Twp. 16 S. R. 26 East West County: Ness

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 Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
(If no, Submit Copy)

Log Formation (Top), Depth and Datum Sample

Name Top Datum
 Attached Attached Attached

List All E. Logs Run:

AttachedCASING RECORD New 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
Surface	12.25	8.625	23	410	Class A Commor	260	3%cc,2%gel
Production	7.875	5.5	15.5	4628	Class A Commor	150	10%salt,2%gel
Production	7.875	5.5	15.5	4628	60/40 Poz	95	4%gel,1/4#floseal

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	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4564-4572	500 gal 10% mud acid	4534

TUBING RECORD: Size: 2 3/8 Set At: 4572 Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 10/19/2011 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	54	0	0		36

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	<u>4564-4572</u> <u>Mississippi</u>
	<input type="checkbox"/> Other (Specify) _____	

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

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

ALLIED CEMENTING CO., LLC. 036090

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

RVICE 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>Horchman</u>			WELL # <u>3</u>		LOCATION <u>area 3W, Y2S, Euite</u>		COUNTY <u>Wess</u>
STATE <u>KS</u>							
OLD OR NEW (Circle one)							

CONTRACTOR Trinity Oilfield Services OWNER Same

TYPE OF JOB production port collar

HOLE SIZE _____ T.D. _____	CEMENT AMOUNT ORDERED <u>4255kg 6940 690g</u>	
CASING SIZE _____ DEPTH _____	<u>1/4" flo seal, 20kg gel inside</u>	
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 _____	COMMON <u>16.5 SK @ 16.25 2681.25</u>	
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>110 SK @ 8.36 935.00</u>	
CEMENT LEFT IN CSG. _____	GEL <u>34 SK @ 21.25 722.50</u>	
PERFS. _____	CHLORIDE _____	
DISPLACEMENT <u>8.17 661</u>	ASC _____	
EQUIPMENT		
PUMP TRUCK # <u>431</u> CEMENTER <u>halme</u>		
HELPER <u>Darren</u>		
BULK TRUCK # <u>374/112</u> DRIVER <u>Ethan, Brandon</u>		
BULK TRUCK # _____ DRIVER _____		
	HANDLING <u>471 SK @ 2.25 1059.75</u>	
	MILEAGE <u>112 SK/mile 1813.33</u>	
	TOTAL <u>2400.85</u>	

REMARKS:

pressure system to 1000#
open port collar, break circulation
mix 20 SK gel, mix 275 SK
cannot close port collar at test
to 1000# Run in 6 joints, wash
up pump (mix, backout 35661
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 work hole mix @ 7.00</u>	<u>280.00</u>
	TOTAL <u>2895.00</u>

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 _____

SIGNATURE Mike Hansen

PLUG & FLOAT EQUIPMENT	
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
	TOTAL _____
SALES TAX (If Any) _____	
TOTAL CHARGES _____	
DISCOUNT _____ IF PAID IN 30 DAYS	



**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: 43490 DST#: 1

ATTN: Jim Musgrove

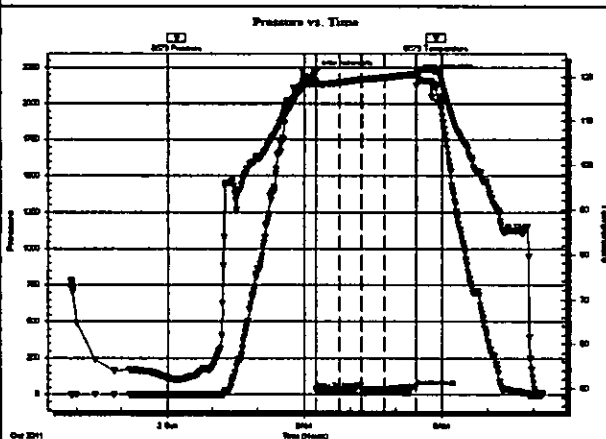
Test Start: 2011.10.01 @ 21:52:55

GENERAL INFORMATION:

Formation: **R Scott**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: **03:15:10**
 Time Test Ended: **08:11:55**
 Interval: **4436.00 ft (KB) To 4507.00 ft (KB) (TVD)**
 Total Depth: **4507.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 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: **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: **FFR-Weak Blow, Dead in 8 Min.**
SI-Dead
FFR-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Mn.)	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 (bb)
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
Blirwood, 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:

bbl

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:

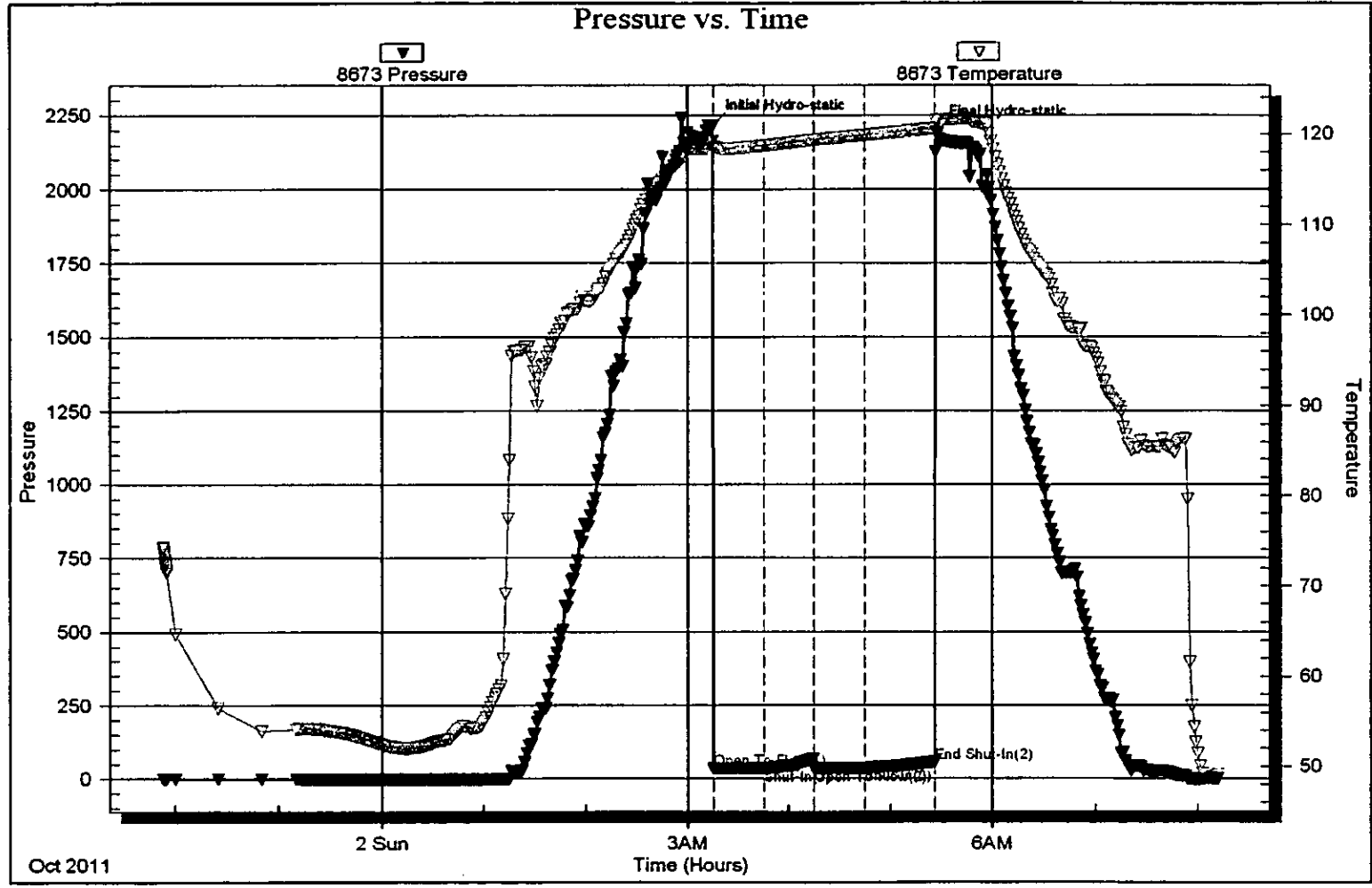
Serial #: 8673

Inside

H&B Petroleum Corporation

Horchem E#3

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&B Petroleum Corporation

28-16s-26w Ness, KS

PO Box 277
Blirwood, 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

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

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

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)

Start Date: 2011.10.02 End Date: 2011.10.03

Start Time: 19:41:52 End Time: 06:23:50

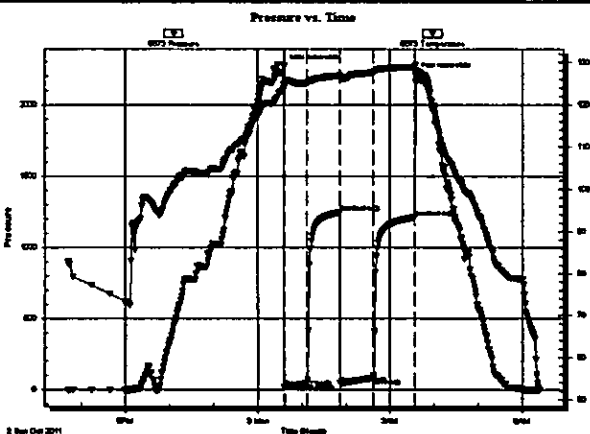
Capacity: 8000.00 psig

Last Calib.: 2011.10.03

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.
FFF-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

Gas Rates

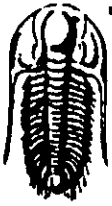
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 43491

Printed: 2011.10.06 @ 13:40:13



**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

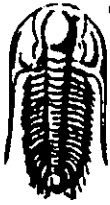
Tool Information

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
			<u>Total Volume: 63.80 bbl</u>	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	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	
Buttnose	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
Elinwood, 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: bbl

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

