



KANSAS CORPORATION COMMISSION 1055597
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 # _____

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: _____



1055597

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
---	---

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
-----------------------------------	-----------	---------	-------------	---------------	---------

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Ouderkirk 14
Doc ID	1055597

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Sonic Cement Bond

ALLIED CEMENTING CO., LLC. 30141

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell

DATE <u>11/12/11</u>	SEC. <u>7</u>	TWP. <u>10</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00p.</u>	JOB FINISH <u>4:30pm</u>
LEASE <u>Over-kink</u>		WELL # <u>14</u>	LOCATION <u>Zurich 2w 25 Ybr Sub</u>		COUNTY <u>Roeker</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southern Drilling #4
 TYPE OF JOB Surface Job
 HOLE SIZE 12 1/4 T.D. 368
 CASING SIZE 8 5/8 DEPTH 368.68
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 22.52661

EQUIPMENT

PUMP TRUCK CEMENTER Shane
 # 417 HELPER Heath
 BULK TRUCK
 # 378 DRIVER Kevin
 BULK TRUCK
 # DRIVER

REMARKS:

Ran 10 hrs + Loading St.
Est Circulation. Mixed 190 Sts
Cement Circulated!

CHARGE TO: A+B Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

Thanks!

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 Robert Stevenson

OWNER _____

CEMENT AMOUNT ORDERED 190 Com 32 CC
22 Gcl

COMMON	<u>190</u>	@	<u>13.50</u>	<u>2565.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>7</u>	@	<u>51.50</u>	<u>360.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>190</u>	@	<u>2.25</u>	<u>427.50</u>
MILEAGE	<u>10 1/2 hrs/mile</u>			<u>950.00</u>
TOTAL				<u>4384.00</u>

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1341.00</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

SALES TAX (If Any) _____
 TOTAL CHARGES [REDACTED]
 DISCOUNT [REDACTED] IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 033994

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS
Bottom 8:30pm 9:00pm

DATE <u>11-19-10</u>	SEC. <u>7</u>	TWP. <u>10</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>10:15pm</u>	JOB FINISH <u>11:15pm</u>
LEASE <u>Duderkirk</u> WELL # <u>14</u>		LOCATION <u>Zurich KS & West 2 South</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1/2 West South into.</u>					

CONTRACTOR Southwind Drilling Rig #4 OWNER _____
 TYPE OF JOB DV Production String
 HOLE SIZE 2 7/8 T.D. 3850'
 CASING SIZE 5 1/4 14 # DEPTH 3830.41'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL DV DEPTH 1676.91'
~~REPAIRS~~ Latch Down MINIMUM @ 3813.02
 MEAS. LINE _____ SHOE JOINT 17.39
 CEMENT LEFT IN CSG. 17.39
 PERFS. _____
 DISPLACEMENT 93.03 BBL Bottom 40.91 BBL Top.

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts
 # 398 HELPER Richard E.
 BULK TRUCK _____
 # 410 DRIVER Mark R.
 BULK TRUCK _____
 # 378 DRIVER Ron B.
 # 473 Driver Kevin T.

REMARKS:

Ran 89 jts 5 1/2 14# Casing Est. Circulation and Circulate 1 hr. on bottom Mix 50 sk scavenger cement and tailed w/200 sk ASC. Displaced plug w/ 93 Bbl H2O. Land plug @ 1500 psi Float did hold. Open DV tool and circulate 1 hr. Plug rathole w/ 30 sk cement Mixed 420 sk cement and displaced plug w/ 41 Bbl H2O to close DV Tool. 1000psi. Cement Did Circulate! Thank You

CHARGE TO: H&B Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

Robert Stevenson

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.

CEMENT

AMOUNT ORDERED 50 60/40 4 1/2 Gel 5 #/sk Gilsonite
200 ASC 10% salt 2 1/2 Gel 1/4 # Flo.
450 60/40 6 1/2 Gel 1/4 # Flo

COMMON	<u>300</u>	@	<u>13.50</u>	<u>4050.00</u>
POZMIX	<u>200</u>	@	<u>7.55</u>	<u>1510.00</u>
GEL		@		
CHLORIDE		@		
ASC	<u>200</u>	@	<u>16.70</u>	<u>3340.00</u>
<u>Gilsonite</u>	<u>250 #</u>	@	<u>1.85</u>	<u>212.50</u>
<u>Flo Seal</u>	<u>150 #</u>	@	<u>2.45</u>	<u>367.50</u>
HANDLING	<u>700</u>	@	<u>2.25</u>	<u>1575.00</u>
MILEAGE	<u>110 sk/mile</u>			<u>3500.00</u>
				TOTAL <u>14,555.00</u>

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1957.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD		@		
				TOTAL <u>2307.00</u>

5 1/2 PLUG & FLOAT EQUIPMENT

<u>9 DV Tool</u>	@		<u>2832.00</u>
<u>9 Turbolizers</u>	@	<u>42.00</u>	<u>378.00</u>
<u>3-Cement Baskets</u>	@	<u>161.00</u>	<u>483.00</u>
<u>Latch Down Plug</u>	@		<u>N-C</u>
<u>AFU Float Shoe</u>	@		<u>214.00</u>
TOTAL <u>3907.00</u>			

SALES TAX (If Any) _____
 TOTAL CHARGES _____

ROBERT E. O'DELL

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY H & B Petroleum Corporation
LEASE Ouderkirk #14
FIELD Marcotte
LOCATION 330' FNL & 1880' FWL
SEC 7 TWSP 10S RGE 19W
COUNTY Rooks STATE Kansas

CONTRACTOR Southwind Drilling Rig #4
SPUD 11-11-2010 COMP 11-19-2010
RTD 3850' LTD 3853'
MUD UP 3000' TYPE MUD Chemical

SAMPLES SAVED FROM 3000' TO RTD
DRILLING TIME KEPT FROM 3000' TO RTD
SAMPLES EXAMINED FROM 3000' TO RTD
GEOLOGICAL SUPERVISION FROM 3240' to RTD
GEOLOGIST ON WELL Bob O'Dell

ELEVATIONS

KB 2233

DF _____

GL 2226

Measurements Are All
From KB

CASING

CONDUCTOR _____

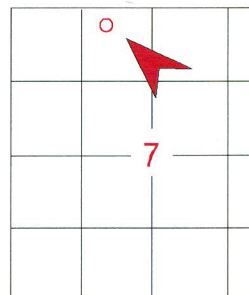
SURFACE 8-5/8" @ 368'

PRODUCTION 5-1/2" @ 385'

ELECTRICAL SURVEYS

DI, CN/CD, Micro

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	1649 (+ 584)	1656 (+ 577)
Topeka	3220 (- 9877)	3220 (- 987)
Heebner	3425 (- 1192)	3425 (- 1192)
Lansing	3462 (- 1229)	3464 (- 1231)
BKC	3671 (- 1438)	3671 (- 1438)
Arbuckle	3752 (- 1519)	3752 (- 1519)
Total Depth	3853 (- 1620)	3850 (- 1617)



API# 15-163-23905



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp**

Box 277
Ellinwood, KS 67526

ATTN: Al Hammersmith

7-10-19 Rooks,KS

Ouderkirk # 14

Start Date: 2010.11.16 @ 09:40:03

End Date: 2010.11.16 @ 16:25:03

Job Ticket #: 040961 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

H & B Petroleum Corp

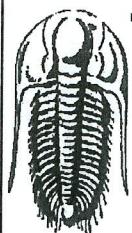
Ouderkirk # 14

7-10-19 Rooks,KS

DST # 1

Topeka

2010.11.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks,KS

Job Ticket: 040961 DST#: 1

ATTN: Al Hammersmith

Test Start: 2010.11.16 @ 09:40:03

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 11:49:33
 Time Test Ended: 16:25:03

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **38**

Interval: **3236.00 ft (KB) To 3273.00 ft (KB) (TVD)**
 Total Depth: **3273.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2233.00 ft (KB)**
2227.00 ft (CF)
 KB to GR/CF: **6.00 ft**

Serial #: 8354

Inside

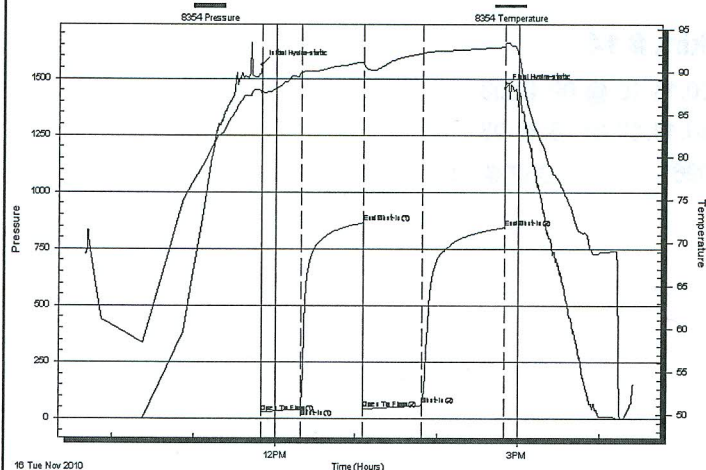
Press@RunDepth: **59.17 psig @ 3237.00 ft (KB)**
 Start Date: **2010.11.16** End Date: **2010.11.16**
 Start Time: **09:40:04** End Time: **16:25:03**

Capacity: **8000.00 psig**
 Last Calib.: **2010.11.16**
 Time On Btm: **2010.11.16 @ 11:49:18**
 Time Off Btm: **2010.11.16 @ 14:49:48**

TEST COMMENT: IF-Slid tool 8' to bottom - lost 10'-15' of mud - Weak blow building to 3/4"

FF-Weak building to 1/4"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.36	87.77	Initial Hydro-static
1	27.27	87.34	Open To Flow (1)
31	41.54	89.87	Shut-In(1)
76	863.40	91.12	End Shut-In(1)
77	42.90	90.86	Open To Flow (2)
120	59.17	92.18	Shut-In(2)
181	842.46	92.88	End Shut-In(2)
181	1459.04	93.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mdy Wtr w/oil show in top tool	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks,KS

Job Ticket: 040961

DST#: 1

ATTN: Al Hammersmith

Test Start: 2010.11.16 @ 09:40:03

Tool Information

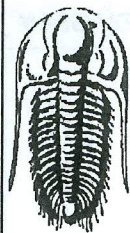
Drill Pipe:	Length: 3213.00 ft	Diameter: 3.80 inches	Volume: 45.07 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 45.07 bbl	Tool Chased 8.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3236.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3209.00	
Shut In Tool	5.00			3214.00	
Hydraulic tool	5.00			3219.00	
Jars	5.00			3224.00	
Safety Joint	3.00			3227.00	
Packer	5.00			3232.00	28.00 Bottom Of Top Packer
Packer	4.00			3236.00	
Stubb	1.00			3237.00	
Recorder	0.00	8354	Inside	3237.00	
Recorder	0.00	8653	Outside	3237.00	
Perforations	33.00			3270.00	
Bullnose	3.00			3273.00	37.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks,KS

Job Ticket: 040961

DST#: 1

ATTN: Al Hammersmith

Test Start: 2010.11.16 @ 09:40:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mdy Wtr w /oil show in top tool	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

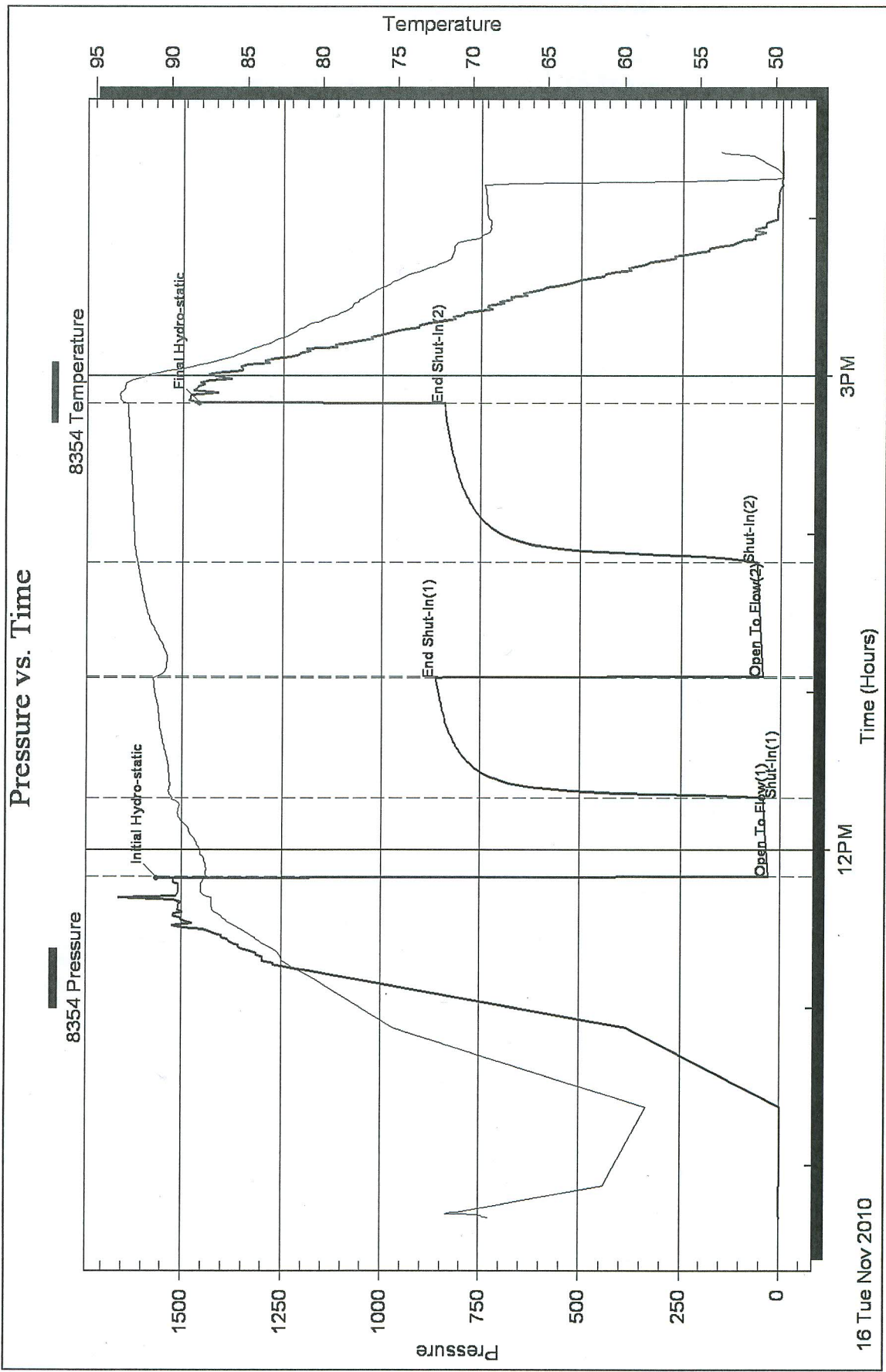
Serial #:

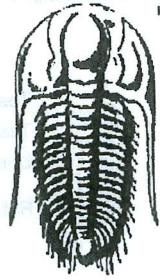
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 @ 70 = 60000ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp**

Box 277
Ellinwood, KS 67526

ATTN: Al Hammersmith

7-10-19 Rooks,KS

Ouderkirk # 14

Start Date: 2010.11.17 @ 17:35:44

End Date: 2010.11.18 @ 00:33:44

Job Ticket #: 040962 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2010.12.01 @ 20:39:13 Page 1

H & B Petroleum Corp

Ouderkirk # 14

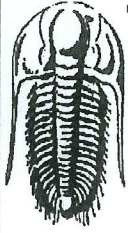
7-10-19 Rooks,KS

DST # 2

B-F

LKC

2010.11.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp

Box 277
Ellinwood, KS 67526

ATTN: Al Hammersmith

Ouderkirk # 14

7-10-19 Rooks, KS

Job Ticket: 040962

DST#: 2

Test Start: 2010.11.17 @ 17:35:44

GENERAL INFORMATION:

Formation: **B-F LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:59

Time Test Ended: 00:33:44

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3484.00 ft (KB) To 3560.00 ft (KB) (TVD)**

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2233.00 ft (KB)

2227.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: **8354**

Inside

Press@RunDepth: 174.73 psig @ 3487.00 ft (KB)

Start Date: 2010.11.17

End Date: 2010.11.18

Start Time: 17:35:45

End Time: 00:33:44

Capacity: 8000.00 psig

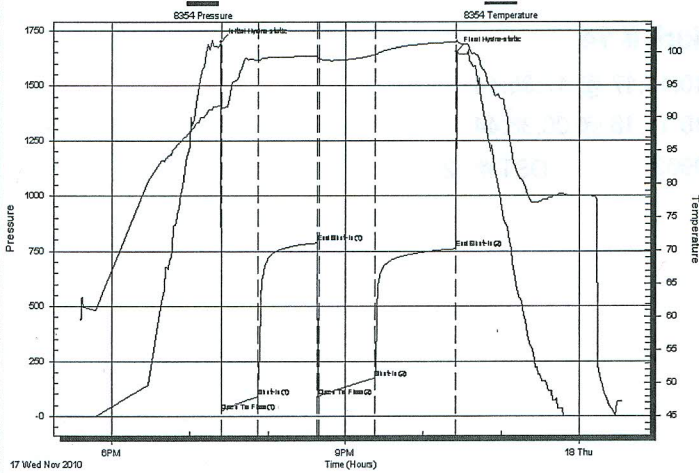
Last Calib.: 2010.11.18

Time On Btm: 2010.11.17 @ 19:23:44

Time Off Btm: 2010.11.17 @ 22:25:29

TEST COMMENT: IF-Strong B-B in 13 min
ISI-Weak surface blow died in 20 min
FF-Strong B-B in 15 min
FSI-Weak steady surface blow

Pressure vs. Time



PRESSURE SUMMARY

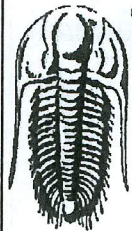
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.60	91.83	Initial Hydro-static
1	21.43	91.34	Open To Flow (1)
29	87.50	98.76	Shut-In(1)
75	787.33	99.32	End Shut-In(1)
76	89.90	99.02	Open To Flow (2)
120	174.73	99.54	Shut-In(2)
182	760.78	101.43	End Shut-In(2)
182	1654.34	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SltlyOCMdyWtr 5%o 75%w 20%m	1.68
120.00	MCGsyO 5%g 65%o 30%m	1.68
60.00	SltlyMCGsyO 5%g 92%o 3%m	0.84
55.00	CGsyO 10%g 90%o	0.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks, KS

Job Ticket: 040962

DST#: 2

ATTN: Al Hammersmith

Test Start: 2010.11.17 @ 17:35:44

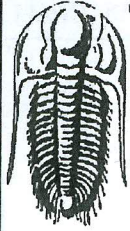
Tool Information

Drill Pipe:	Length: 3459.00 ft	Diameter: 3.80 inches	Volume: 48.52 bbl	Tool Weight:	3000.00 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:	50000.00 lb
			Total Volume: 48.52 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3484.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	76.00 ft				
Tool Length:	104.00 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			3457.00	
Shut In Tool	5.00			3462.00	
Hydraulic tool	5.00			3467.00	
Jars	5.00			3472.00	
Safety Joint	3.00			3475.00	
Packer	5.00			3480.00	28.00 Bottom Of Top Packer
Packer	4.00			3484.00	
Stubb	1.00			3485.00	
Perforations	1.00			3486.00	
Change Over Sub	1.00			3487.00	
Recorder	0.00	8354	Inside	3487.00	
Recorder	0.00	8653	Outside	3487.00	
Drill Pipe	61.00			3548.00	
Change Over Sub	1.00			3549.00	
Perforations	8.00			3557.00	
Bullnose	3.00			3560.00	76.00 Bottom Packers & Anchor
Total Tool Length:	104.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks, KS

Job Ticket: 040962 DST#: 2

ATTN: Al Hammersmith

Test Start: 2010.11.17 @ 17:35:44

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: inches

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

Oil API: 32 deg API
Water Salinity: 68000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SiltyOCMdyWtr 5%o 75%w 20%m	1.683
120.00	MCGsyO 5%g 65%o 30%m	1.683
60.00	SiltyMCGsyO 5%g 92%o 3%m	0.842
55.00	CGsyO 10%g 90%o	0.772

Total Length: 355.00 ft Total Volume: 4.980 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .09 @ 70 = 68000ppm

