



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 # 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: Robert O'Dell
Purchaser: NCRA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #: _____
11/11/2010 11/19/2010 01/05/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-163-23905-00-00
Spot Description: _____
E2 NW NE NW Sec. 7 Twp. 10 S. R. 19 East West
330 Feet from North / South Line of Section
1,880 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Ouderkirk Well #: 14
Field Name: Marcotte
Producing Formation: Arbuckle
Elevation: Ground: 2226 Kelly Bushing: 2233
Total Depth: 3850 Plug Back Total Depth: 3819
Amount of Surface Pipe Set and Cemented at: 368 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1676 Feet
If Alternate II completion, cement circulated from: 1676
feet depth to: 0 w/ 420 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 3000 ppm Fluid volume: 5680 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: 05/13/2011



1055597

Operator Name: H & B Petroleum Corp. Lease Name: Ouderkirk Well #: 14
 Sec. 7 Twp. 10 S. R. 19 East West County: Rooks

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1649	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3220	
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3425	
List All E. Logs Run:		Lansing	3462	
Attached		BKC	3671	
		Arbuckle	3752	

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	368	Common	190	3%CC 2%Gel
Production	7.875	5.5	14	3834	Scavenger/ASC	250	1%FC/10%salt,2%gel
DV Tool	7.875	5.5	14	1676	60/40 Pos	420	4%Gel,5#Gilsonite

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: <u>2 7/8</u>	Set At: <u>3803</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>01/05/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>96</u>	Gas Mcf	Water Bbls. <u>64</u>	Gas-Oil Ratio <u>31</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3752-3768</u>
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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

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

SERVICE POINT:
Russell

DATE <u>11/12/10</u>	SEC. <u>7</u>	TWP. <u>10</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00pm</u>	JOB FINISH <u>4:30pm</u>
LEASE <u>Outokumpu</u> WELL# <u>14</u>		LOCATION <u>Zurich 2w 25 1/2w Sub</u>		COUNTY <u>Rooks</u>	STATE <u>KS</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Southern Drilling #4 OWNER _____

TYPE OF JOB Surface Job

HOLE SIZE 12 1/4 T.D. 368

CASING SIZE 8 5/8 DEPTH 368.6ft

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 22.52 bbl

CEMENT			
AMOUNT ORDERED	<u>190</u>	CON	<u>39.00</u>
	<u>22.661</u>		
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>10.5/1/2 mile</u>		<u>950.00</u>
			TOTAL <u>4384.00</u>

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!

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@	<u>700</u> <u>350.00</u>
MANIFOLD		@	
		@	
		@	
			TOTAL <u>1341.00</u>

CHARGE TO: A+B Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
			TOTAL _____

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

SALES TAX (If Any) _____

TOTAL CHARGES ██████████

DISCOUNT ██████████ IF PAID IN 30 DAYS

Thanks!

ALLIED CEMENTING CO., LLC. 033994

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>Duderkin</u> WELL # <u>14</u>		LOCATION <u>Zurich KS. 2 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'
~~MEAS~~ Latch Down MINIMUM @ 3913.02
 MEAS. LINE SHOE JOINT 17.39
 CEMENT LEFT IN CSG. 17.39
 PERFS. _____
 DISPLACEMENT 93.03 BBL Bottom 40.91 BBL Top.

CEMENT
 AMOUNT ORDERED 50 @ 40 4 1/2 Gel 5 #/sk Wilsonite
200 ASC 10% Salt 2% Gel 1/4 # Flo.
450 @ 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>Wilsonite</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>14555.00</u>

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 89jts 5 1/2 14 # Casing Est. Circulation and Circulate 1 hr on bottom Mid 50 sk scavenge cement and tailed w/ 300 sk ASC. Displaced plug w/ 93 Bbl H₂O. Land plug @ 1500 psi Float did hold. Open DV tool and circulate 1 hr. Plug nothole w/ 30 sk cement Mixed 420 sk cement and displaced plug w/ 41 Bbl H₂O to close DV Tool 1000 psi. Cement Did Circulate! Thank You

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

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1957.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>50</u>	@	<u>2.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL <u>2307.00</u>			

5 1/2 PLUG & FLOAT EQUIPMENT

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

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.

SALES TAX (If Any) _____
 TOTAL CHARGES _____

ROBERT E. O'DELL

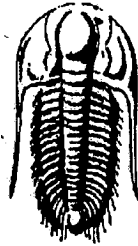
Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY <u>H & B Petroleum Corporation</u>	ELEVATIONS KB <u>2233</u> DF _____ GL <u>2226</u>
LEASE <u>Ouderkirk #14</u>	
FIELD <u>Marcotte</u>	Measurements Are All From <u>KB</u>
LOCATION <u>330' FNL & 1880' FWL</u>	
SEC <u>7</u> TWSP <u>10S</u> RGE <u>19W</u>	CASING CONDUCTOR _____ SURFACE <u>8-5/8" @ 368'</u> PRODUCTION <u>5-1/2" @ 385'</u>
COUNTY <u>Rooks</u> STATE <u>Kansas</u>	
CONTRACTOR <u>Southwind Drilling Rig #4</u>	ELECTRICAL SURVEYS <u>DI, CN/CD, Micro</u>
SPUD <u>11-11-2010</u> COMP <u>11-19-2010</u>	
RTD <u>3850'</u> LTD <u>3853'</u>	
MUD UP <u>3000'</u> TYPE MUD <u>Chemical</u>	
SAMPLES SAVED FROM <u>3000'</u> TO <u>RTD</u>	
DRILLING TIME KEPT FROM <u>3000'</u> TO <u>RTD</u>	
SAMPLES EXAMINED FROM <u>3000'</u> TO <u>RTD</u>	
GEOLOGICAL SUPERVISION FROM <u>3240'</u> to <u>RTD</u>	
GEOLOGIST ON WELL <u>Bob O'Dell</u>	

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



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: 2010.11.16 @ 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
Box 277
Elinwood, KS 67526
ATTN: Al Hammersmith

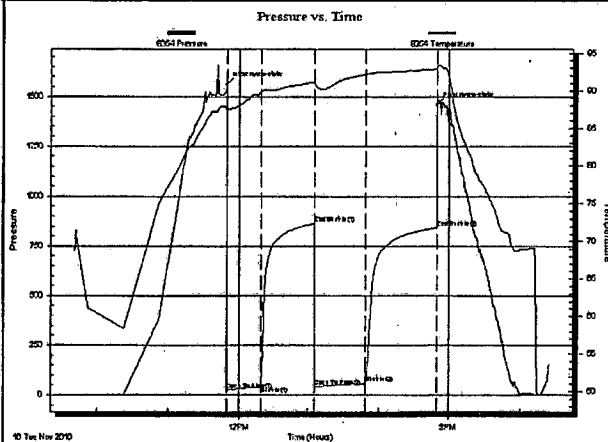
Ouderkirk # 14
7-10-19 Rooks, KS
Job Ticket: 040961 DST#: 1
Test Start: 2010.11.16 @ 09:40:03

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 11:49:33 Tester: Dan Bangle
Time Test Ended: 16:25:03 Unit No: 38
Interval: 3236.00 ft (KB) To 3273.00 ft (KB) (TVD) Reference Elevations: 2233.00 ft (KB)
Total Depth: 3273.00 ft (KB) (TVD) 2227.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 6.00 ft

Serial #: **8354** Inside
Press@RunDepth: 59.17 psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.11.16 End Date: 2010.11.16 Last Calib.: 2010.11.16
Start Time: 09:40:04 End Time: 16:25:03 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 SUMMARY

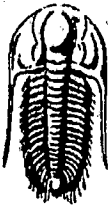
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.36	87.77	Initial Hydro-static
1	27.27	87.34	Open To Flow (1)
31	41.54	89.87	Shut-In (1)
76	863.40	91.12	End Shut-In (1)
77	42.90	90.86	Open To Flow (2)
120	59.17	92.18	Shut-In (2)
181	842.46	92.88	End Shut-In (2)
181	1459.04	93.16	Final Hydro-static

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
			<u>Total Volume: 45.07 bbl</u>	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		

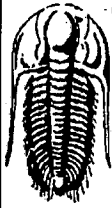
Tool Comments:

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

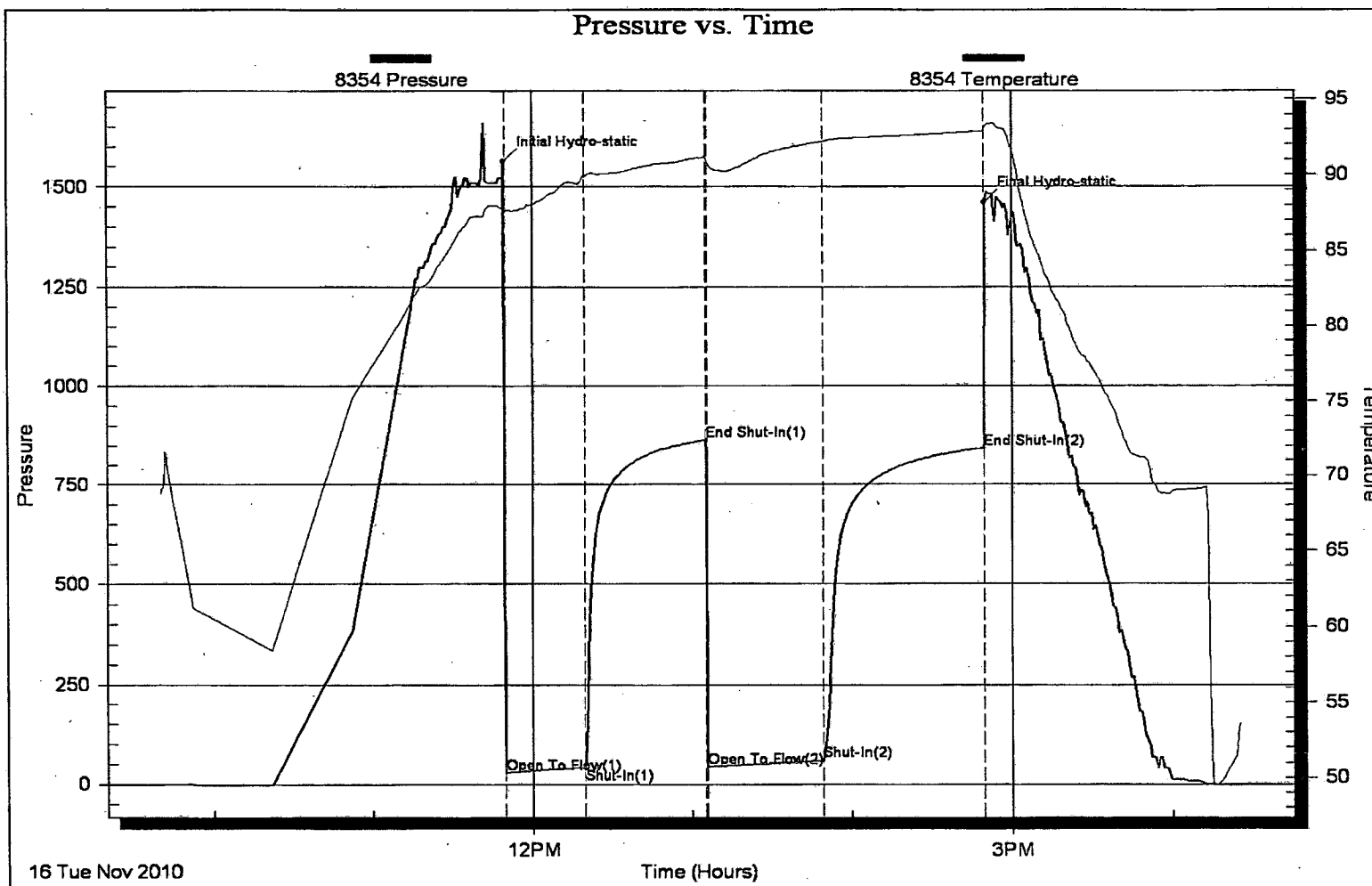
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	60000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

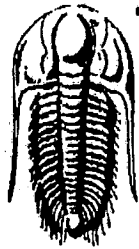
Recovery Information

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





**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

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

Ouderkirk # 14

Box 277
Ellinwood, KS 67526

7-10-19 Rooks, KS

Job Ticket: 040962

DST#: 2

ATTN: Al Hammersmith

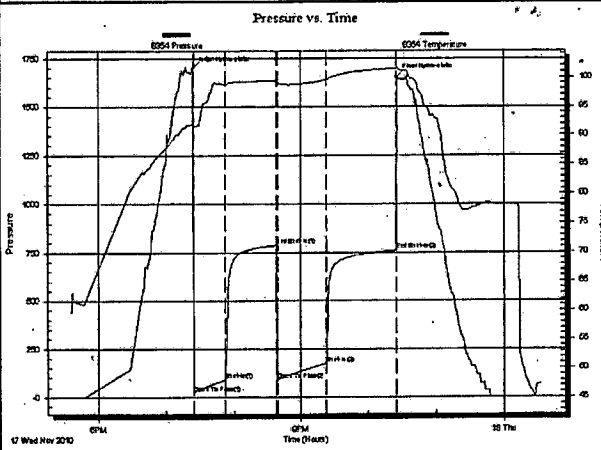
Test Start: 2010.11.17 @ 17:35:44

GENERAL INFORMATION:

Formation: B-F LKC
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:23:59
 Time Test Ended: 00:33:44
 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
 Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38
 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)
 Capacity: 8000.00 psig
 Start Date: 2010.11.17 End Date: 2010.11.18
 Last Calib.: 2010.11.18
 Start Time: 17:35:45 End Time: 00:33:44
 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
 IS-Weak surface blow died in 20 min
 FF-Strong B-B in 15 min
 FS-Weak steady surface blow



PRESSURE SUMMARY

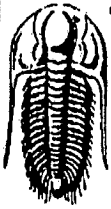
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.60	91.83	Initial Hydro-static
1	21.43	91.34	Open To Flow (1)
29	87.50	98.76	Shut-In(1)
75	787.33	99.32	End Shut-In(1)
76	89.90	99.02	Open To Flow (2)
120	174.73	99.54	Shut-In(2)
182	760.78	101.43	End Shut-In(2)
182	1654.34	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	StillyOCMdyWtr 5%o 75%w 20%m	1.68
120.00	MCGsyO 5%g 65%o 30%m	1.68
60.00	StillyMCGsyO 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	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
Elinwood, 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

Cushion Type:

Oil API: 32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 68000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SillyOCMdyWtr 5%o 75%w 20%m	1.683
120.00	MCGsyO 5%g 655o 30%m	1.683
60.00	SillyMCGsyO 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

