



1247407

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 <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 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
<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

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: _____ _____
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Horner 1
Doc ID	1247407

All Electric Logs Run

Computer Processed Interpretation
Dual Compensated Porosity
Dual Induction
Borehole Compensated
Microresistivity

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Horner 1
Doc ID	1247407

Tops

Name	Top	Datum
Anhydrite	951	
Base Anhydrite	973	
Heebner	3405	
Toronto	3422	
Douglas	3440	
Brown Lime	3515	
Lansing	3522	
Base Kansas City	3767	
Conglomerate Sand	3855	
Viola	3884	
Simpson Shale	3914	
Simpson Sand	3923	
Arbuckle	3958	

GLOBAL CEMENTING, L.L.C.

1434

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>9-6-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>11:15am</u>	JOB FINISH <u>12:45pm</u>
LEASE <u>Keiner</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Howard</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Southwind #2

TYPE OF JOB Long Surface

HOLE SIZE 12 1/4 T.D. 647

CASING SIZE 8 5/8 DEPTH 636

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 450psi MINIMUM 100

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 30 ft

PERFS

DISPLACEMENT 39.2 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Rod

BULK TRUCK

B3 DRIVER Mark

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 375 sac com 3% oil

2 bags

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 16 hrs of 8 5/8 casing and finally
it circulates - took up and
run 375 sac and shut down & released
plug - disp 39.2 bbl of 1100 - shut in
@ 450 psi

Cement did circulate

CHARGE TO: HQA P-10

STREET

CITY STATE ZIP

Global Cementing, L.L.C.,
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 William Sanders

SIGNATURE William Sanders

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

8 5/8 Rubber Plug @

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

GLOBAL CEMENTING, L.L.C.

1447

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>7-14-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:00 AM</u>
LEASE <u>Hogart</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Lawrence Co</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Southwind Drilling Rig #2
 TYPE OF JOB Plug
 HOLE SIZE _____ T.D. _____
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT _____

EQUIPMENT
 PUMP TRUCK CEMENTER Cody
 # P1 HELPER Brod
 BULK TRUCK
 # 53 DRIVER Payton
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

<u>50 sks</u>	<u>3755</u>
<u>80 sks</u>	<u>960</u>
<u>30 sks</u>	<u>600</u>
<u>30 sks</u>	<u>250</u>
<u>20 sks</u>	<u>60</u>
<u>30 sks</u>	<u>PT</u>
<u>20 sks</u>	<u>AS</u>

CHARGE TO: H+B Pos 10
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
 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 William Sanders
 SIGNATURE William Sanders

OWNER _____
 CEMENT AMOUNT ORDERED 25058 69/10 4% gel

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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
 PO Box 277
 Ellinwood, KS 67526+0277
 ATTN: Jim Musgrove

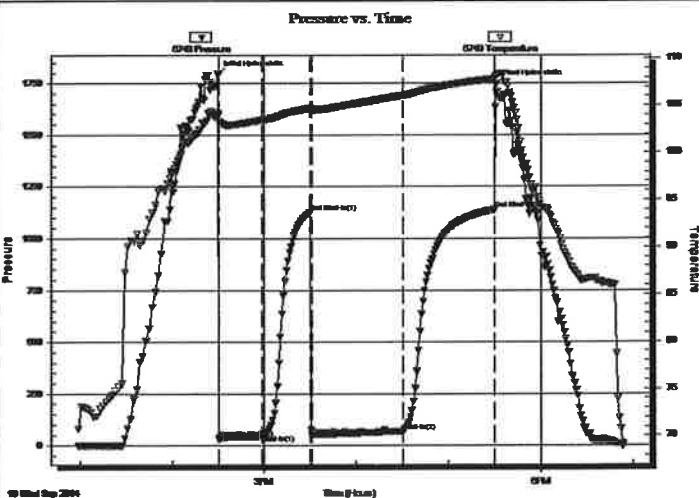
8-22s-15w Pawnee,KS
Horner #1
 Job Ticket: 60266 **DST#: 1**
 Test Start: 2014.09.10 @ 12:58:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:30:30
 Time Test Ended: 18:54:00
 Interval: **3519.00 ft (KB) To 3565.00 ft (KB) (TVD)**
 Total Depth: 3565.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1993.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749 Inside
 Press@RunDepth: 68.51 psig @ 3561.00 ft (KB)
 Start Date: 2014.09.10 End Date: 2014.09.10
 Start Time: 12:59:00 End Time: 18:54:00
 Capacity: 8000.00 psig
 Last Calib.: 2014.09.10
 Time On Btm: 2014.09.10 @ 14:30:00
 Time Off Btm: 2014.09.10 @ 17:31:00

TEST COMMENT: IFP 30 Weak blow built to 4 1/2"
 ISI 30 No blow back
 FFP 30 Fair blow built to 6"
 FSI 30 No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.94	103.93	Initial Hydro-static
1	35.38	103.22	Open To Flow (1)
29	51.87	103.45	Shut-In(1)
60	1126.70	104.70	End Shut-In(1)
61	49.19	104.49	Open To Flow (2)
121	68.51	106.04	Shut-In(2)
180	1138.28	107.82	End Shut-In(2)
181	1745.44	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	45 feet of gas in pipe/Gas 100%	0.00
75.00	Lightly oil cut mud/Oil 1% Mud 99%	1.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H&B Petroleum
 PO Box 277
 Ellinwood, KS 67526+0277
 ATTN: Jim Musgrove

8-22s-15w Pawnee,KS
Horner #1
 Job Ticket: 60267 **DST#: 2**
 Test Start: 2014.09.12 @ 01:38:00

GENERAL INFORMATION:

Formation: **Kendrick sand - Viol**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:27:30
 Time Test Ended: 07:42:00
 Interval: **3795.00 ft (KB) To 3910.00 ft (KB) (TVD)**
 Total Depth: 3910.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1993.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 9.00 ft

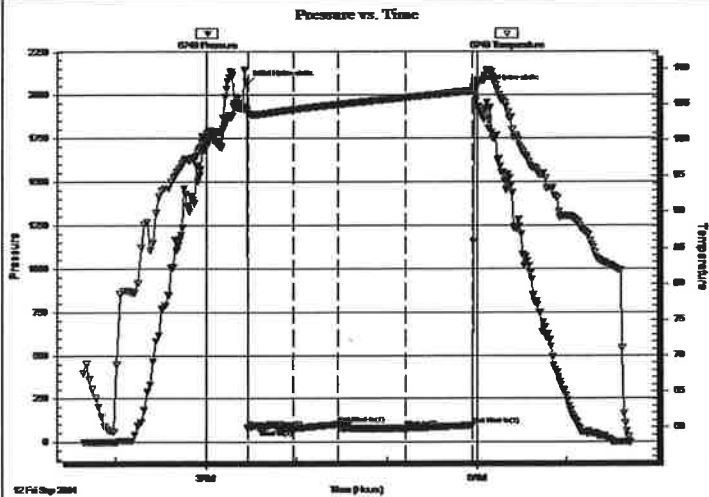
Serial #: 6749

Inside

Press@RunDepth: 77.86 psig @ 3906.17 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.12 End Date: 2014.09.12 Last Calib.: 2014.09.12
 Start Time: 01:39:00 End Time: 07:42:00 Time On Btm: 2014.09.12 @ 03:27:00
 Time Off Btm: 2014.09.12 @ 05:58:30

TEST COMMENT: IFP 30 Weak blow built to 2 1/2 inches
 ISI 30 No blow back
 FFP 45 Dead no blow - Flush tool - Weak blow built to 1"
 FSI 45 No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.62	104.27	Initial Hydro-static
1	81.39	103.76	Open To Flow (1)
31	76.90	104.28	Shut-In(1)
60	100.59	104.97	End Shut-In(1)
61	98.98	104.98	Open To Flow (2)
105	77.86	105.94	Shut-In(2)
150	95.24	106.88	End Shut-In(2)
152	2034.49	108.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.28

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&B Petroleum
 PO Box 277
 Ellinwood, KS 67526+0277
 ATTN: Jim Musgrove

8-22s-15w Pawnee, KS

Horner #1
 Job Ticket: 60268 **DST#: 3**
 Test Start: 2014.09.12 @ 16:34:00

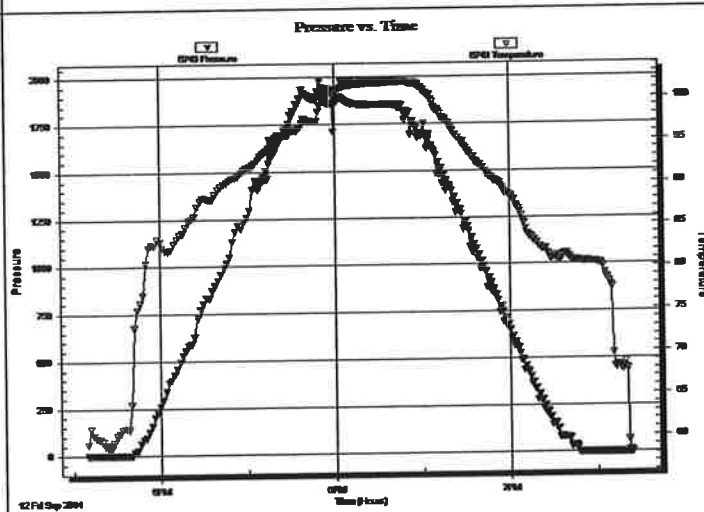
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 19:41:30
 Interval: **3907.00 ft (KB) To 3967.00 ft (KB) (TVD)**
 Total Depth: 3967.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1993.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749 Inside
 Press@RunDepth: psig @ 3963.25 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.12 End Date: 2014.09.12 Last Calib.: 2014.09.12
 Start Time: 16:35:00 End Time: 19:41:30 Time On Btm: 2014.09.12 @ 17:59:00
 Time Off Btm:

TEST COMMENT: Packer failed on tool opening - Tried reset packer failed second time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1930.64	99.30	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud 100%	1.68

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&B Petroleum
 PO Box 277
 Ellinwood, KS 67526+0277
 ATTN: Jim Musgrove

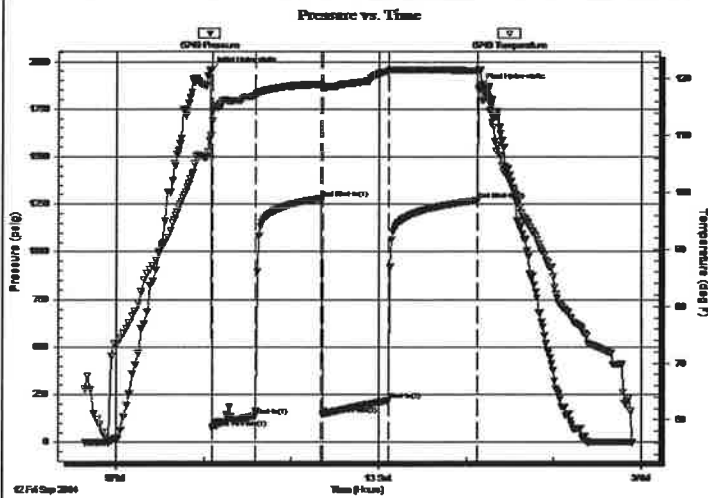
8-22s-15w Pawnee, KS
Horner #1
 Job Ticket: 60269 **DST#: 4**
 Test Start: 2014.09.12 @ 20:38:00

GENERAL INFORMATION:

Formation: **Simpson Sand - Arbuc**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:05:30 Tester: Ken Swinney
 Time Test Ended: 02:54:00 Unit No: S1
 Interval: **3882.00 ft (KB) To 3967.00 ft (KB) (TVD)**
 Total Depth: 3967.00 ft (KB) (TVD) Reference Elevations: 1993.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Poor 1984.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749 **Inside**
 Press@RunDepth: 220.34 psig @ 3963.17 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.12 End Date: 2014.09.13 Last Calib.: 2014.09.13
 Start Time: 20:39:00 End Time: 02:54:00 Time On Btm: 2014.09.12 @ 22:04:30
 Time Off Btm: 2014.09.13 @ 01:09:00

TEST COMMENT: IFP 30 BOB in 18 1/2 min
 ISI 45 No blow back
 FFP 45 BOB in 28 min
 FSI 60 No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.68	109.98	Initial Hydro-static
1	74.77	112.60	Open To Flow (1)
31	137.99	117.06	Shut-In(1)
76	1280.30	119.05	End Shut-In(1)
77	145.40	118.63	Open To Flow (2)
122	220.34	121.34	Shut-In(2)
183	1269.60	121.42	End Shut-In(2)
185	1865.24	121.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
355.00	Slightly oil and gas cut muddy water	4.98
0.00	Gas 2% Oil 3% Mud 40% Water 55%	0.00

Gas Rates

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