



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1260905  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1260905

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dan Haffner  
 RR 2 Box 49  
 Hoxie KS 67740-9524  
 ATTN: Dan Haffner, Rich Be

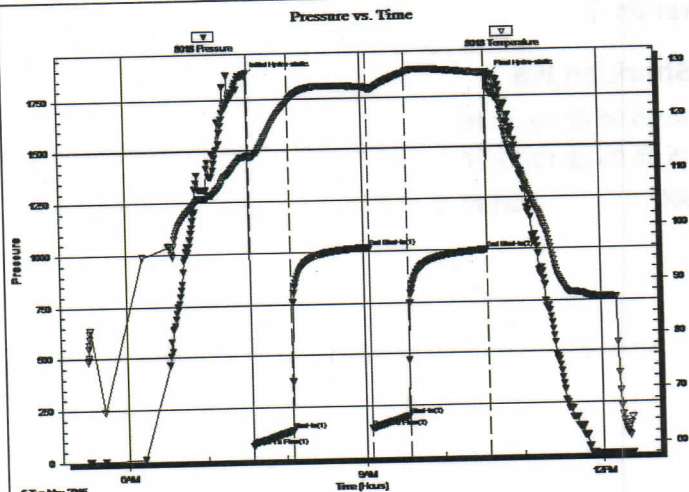
**7-9s-27w Sheridan,KS**  
**Haffner #1-7**  
 Job Ticket: 60580 **DST#: 1**  
 Test Start: 2015.05.05 @ 05:30:18

## GENERAL INFORMATION:

Formation: **LKC "C-D"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 07:34:43 Tester: Ray Schwager  
 Time Test Ended: 12:22:27 Unit No: 70  
 Interval: **3850.00 ft (KB) To 3892.00 ft (KB) (TVD)**  
 Total Depth: 3892.00 ft (KB) (TVD) Reference Elevations: 2695.00 ft (KB)  
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 2690.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8018** Inside  
 Press@RunDepth: 199.53 psig @ 3856.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.05 End Date: 2015.05.05 Last Calib.: 2015.05.05  
 Start Time: 05:30:18 End Time: 12:22:27 Time On Btm: 2015.05.05 @ 07:32:43  
 Time Off Btm: 2015.05.05 @ 10:38:27

TEST COMMENT: 30-IFP-w k to strg in 18 min  
 60-ISIP-no bl  
 30-FFP-w k to strg in 26 min  
 60-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.65	113.39	Initial Hydro-static
2	66.30	112.97	Open To Flow (1)
33	138.31	123.44	Shut-In(1)
92	1020.21	125.90	End Shut-In(1)
93	142.17	125.57	Open To Flow (2)
121	199.53	128.41	Shut-In(2)
182	999.95	128.15	End Shut-In(2)
186	1852.64	124.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
372.00	Water	4.13
30.00	SOCMW 2%O25%M73%W	0.42
10.00	CO	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dan Haffner  
RR 2 Box 49  
Hoxie KS 67740-9524  
ATTN: Dan Haffner, Rich Be

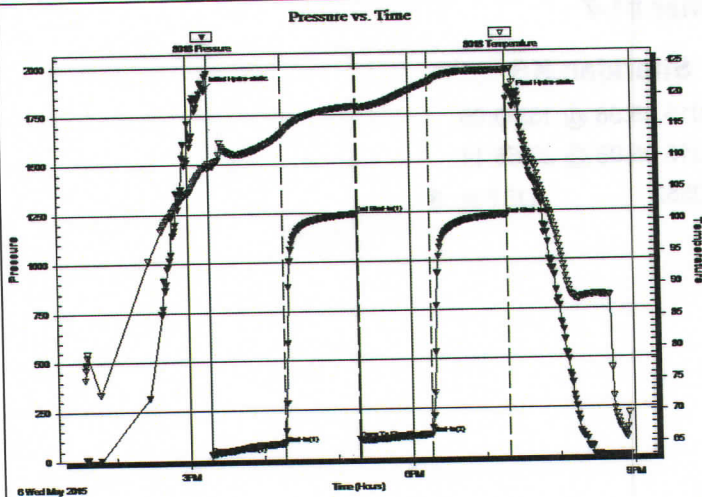
**7-9s-27w Sheridan, KS**  
**Haffner #1-7**  
Job Ticket: 60582      **DST#: 3**  
Test Start: 2015.05.06 @ 13:35:05

## GENERAL INFORMATION:

Formation: **LKC "J"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:17:00  
Time Test Ended: 20:56:14  
Interval: **3977.00 ft (KB) To 4015.00 ft (KB) (TVD)**  
Total Depth: 4015.00 ft (KB) (TVD)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ray Schwager  
Unit No: 70  
Reference Elevations: 2695.00 ft (KB)  
2690.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8018**      **Inside**  
Press@RunDepth: 116.59 psig @ 3983.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.05.06      End Date: 2015.05.06      Last Calib.: 2015.05.06  
Start Time: 13:35:05      End Time: 20:56:14      Time On Btm: 2015.05.06 @ 15:14:15  
Time Off Btm: 2015.05.06 @ 19:23:29

**TEST COMMENT:** 60-IFP-w k to a gd bl 1/2" to 7 1/4" bl  
60-ISIP-no bl  
60-FFP-w k bl thru-out 1/4" to 2" bl  
60-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.38	108.91	Initial Hydro-static
3	26.44	108.63	Open To Flow (1)
63	79.17	113.97	Shut-In(1)
123	1241.87	118.47	End Shut-In(1)
123	94.16	118.26	Open To Flow (2)
182	116.59	122.12	Shut-In(2)
245	1225.39	123.84	End Shut-In(2)
250	1842.70	124.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOCMW 1%O10%M89%W	0.59
80.00	O&GCM 10%G10%O80%M	1.12
15.00	CO	0.21

\* Recovery from multiple tests

## Gas Rates

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

# GLOBAL CEMENTING, L.L.C.

1674

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT:  
RUSSELL, KS

DATE 5-1-15	SEC. 7	TWP. 29	RANGE 27	CALLED OUT	ON LOCATION 5PM	JOB START 6:30PM	JOB FINISH 7PM
LEASE HAFFNER	WELL #. 1-7	LOCATION			COUNTY SHEFFIELD	STATE KS	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR WW RIG 8	OWNER
TYPE OF JOB SURFACE	
HOLE SIZE 12 1/4	T.D. 215'
CASING SIZE 8 5/8	DEPTH 208.42'
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. 20'	
PERFS	
DISPLACEMENT 12 BBL	
EQUIPMENT	
PUMP TRUCK # P1	CEMENTER Brian
	HELPER Brandon
BULK TRUCK # 83	DRIVER Austin
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED 200 SF COM	
	3% CC 2% CEL
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
TOTAL	

REMARKS:

Run in 5' of 12 1/4" casing in 208' of 8 5/8" casing. 20' of cement left in casing. 12 BBL H<sub>2</sub>O shut in. 200 PSI. If next did circulate.

CHARGE TO: Dan Haffner  
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 \_\_\_\_\_  
SIGNATURE \_\_\_\_\_

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

# GLOBAL CEMENTING, L.L.C.

1677

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT  
RUSSELL, KS

DATE <u>5-15-15</u>	SEC. <u>7</u>	TWP. <u>9</u>	RANGE <u>27W</u>	CALLED OUT	ON LOCATION <u>12AM</u>	JOB START	JOB FINISH <u>4:30 A.M.</u>	
LEASE <u>HAFNER</u>				WELL #. <u>1-7</u>		LOCATION	COUNTY <u>SHERIDAN</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> (NEW) (CIRCLE ONE)								

CONTRACTOR WW Drilling R16#8

TYPE OF JOB Dry Hole Plug

HOLE SIZE 7 1/2 T.D. 4425

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Bezo

# 01 HELPER Bezo

BULK TRUCK

# B3 DRIVER Windy

BULK TRUCK

# DRIVER

OWNER

CEMENT

AMOUNT ORDERED 240 SK 60/10 POZ  
4 1/2 GEL 1/4 FLO

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

### REMARKS:

121 2320 - 50 ft

200 1150 10 ft

70 270 - 50 ft

45 40 - 10 ft

RFT 30 SK

CHARGE TO: Dan Hafner

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 \_\_\_\_\_

SIGNATURE \_\_\_\_\_

### 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