



**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: \_\_\_\_\_



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
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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
_____ 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

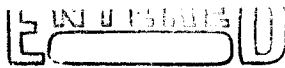
Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 41419

LOCATION Eureka

FOREMAN Steve Neal

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

API 15-035-24496 **CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-29-13	1155*	Johnson #20-1	20	34	7E	Cowley
CUSTOMER T R Crude LLC			TRUCK #			
MAILING ADDRESS 501 South Park Blvd			DRIVER			
CITY Independence			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67301			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE 11 3/4 HOLE DEPTH 302' CASING SIZE & WEIGHT 8 3/8  
 CASING DEPTH 300' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 18 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting. Rig up to 8 3/8 casing. Break Circulation w/ Fresh water. Mix 125 SKS Class A cement w/ 3% Calcz, 2% Gel + 1/4" Flo Cells per/sk. Displace with 18 bbls Freshwater. Shut well in. Good cement returns to surface. 13 bbl to Pit. Job Complete Rig down

*Thank you*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	825.00	825.00
5406	80	MILEAGE	4.00	320.00
11045	125 SKS	Class A Cement	14.95	1868.75
1102	350 #	3% Calcz	.74	259.00
1118 B	235 #	2% Gel	.21	49.35
1107	31 #	1/4" Flo Cells per/sk	2.35	72.85
5407A	5.98	Ton mileage Bulk Truck		630.34
			SubTotal	4025.29
			SALES TAX	153.00
			ESTIMATED TOTAL	4178.29

AUTHORIZATION \*BC Steele Acct TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 257188 6.3%

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**ENTERED**

API# 15-035-24496

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 41449

LOCATION Eureka KS

FOREMAN Shannon Feck

James

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-15-13	1150	Johnson # 20-1	20	34	7E	Cowley
CUSTOMER <u>TR Crude LLC (Bc. Steel)</u>						
MAILING ADDRESS <u>501 South Park Blvd</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Independence</u> STATE <u>KS</u> ZIP CODE <u>67301</u>			<u>445</u>	<u>Dave B</u>		
			<u>667</u>	<u>Chris B</u>		
			<u>637</u>	<u>Jim m</u>		

JOB TYPE L/S HOLE SIZE 6 1/4" HOLE DEPTH 2647' CASING SIZE & WEIGHT 4 1/2" @ 10.50 #  
 CASING DEPTH 2636.27 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.6 SLURRY VOL \_\_\_\_\_ WATER gal/sk 9.0 CEMENT LEFT in CASING 0  
 DISPLACEMENT 42.5 Bbl DISPLACEMENT PSI 1000 MIX PSI Bump Plug @ 1400 RATE 5 BPM

REMARKS: Safety Meeting, Rig up to 4 1/2" casing, Break circulation w/10 Bbl H2O, mixed 110 SKS Thickset cement w/ 5 # kotseal/sk & 1 # Phenoseal/sk @ 13.6 #/gal. Shut down wash out pump & lines, displace with 42.5 Bbl H2O, good circulation @fter 9 Bbl of displacement H2O pumped. Final pumping pressure of 1000 psi, bumped plug @ 1400 psi. Plug & float held good. Job complete.

"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	80	MILEAGE	4.00	320.00
1126A	110 SKS	Thickset Cement	19.20	2112.00
1110A	550 #	Kot-seal @ 5 #/sk	.46	253.00
1107A	120 #	Phenoseal @ 1 #/sk	1.29	154.80
5407A	6.05 Tons	Ton mileage bulk Truck	1.34	648.56
5502C	4 1/2 HRS	80 Bbl Val Truck	90.00	405.00
1123	3000 gal	city water	16.50/1000	49.50
4404	1	4 1/2" Rubber Plug	45.00	45.00
			Sub Total	5017.86
			SALES TAX <u>6.8%</u>	177.78
			ESTIMATED TOTAL	5195.64

Revin 3737

AUTHORIZATION [Signature] TITLE OK/A JOK DATE 4-15-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 258149

Invoice Date: 04/23/2013 Terms:

Page 1

B.C. STEEL GAS LLC  
1432 NIGHTHAWK RD  
P.O. BOX 326  
YATES CENTER KS 66783  
(620) 625-2999

JOHNSON #20-1  
41449  
20-34-7E  
04-15-13  
KS

Part Number	Description	Qty	Unit Price	Total
1126A	THICK SET CEMENT	110.00	19.2000	2112.00
1110A	KOL SEAL (50# BAG)	550.00	.4600	253.00
1107A	PHENOSEAL (M) 40# BAG)	120.00	1.2900	154.80
1123	CITY WATER	3000.00	.0165	49.50
4404	4 1/2" RUBBER PLUG	1.00	45.0000	45.00

Description	Hours	Unit Price	Total
445 CEMENT PUMP	1.00	1030.00	1030.00
445 EQUIPMENT MILEAGE (ONE WAY)	80.00	4.00	320.00
637 80 BBL VACUUM TRUCK (CEMENT)	4.50	90.00	405.00
667 TON MILEAGE DELIVERY	484.00	1.34	648.56

Parts: 2614.30 Freight: .00 Tax: 177.78 AR 5195.64  
 Labor: .00 Misc: .00 Total: 5195.64  
 Sublt: .00 Supplies: .00 Change: .00

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

API# 15-035-24496

TICKET NUMBER 41449

LOCATION Eureka KS

FOREMAN Shannon Feck  
James

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

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TR Crude LLC (B.C. Steel)			445	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			667	Chris B		
501 South Park Blvd			637	Jim m		
CITY	STATE	ZIP CODE				
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			ESTIMATED TOTAL	5195.64

Ravin 3737

AUTHORIZATION

*[Signature]*

258149  
TITLE OPERA TOR

DATE 4-15-13

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# Thomas H. Oast

*Geological Consultant*

524 North School

Sedan, Kansas 67361

(918) 440-6512

## Geological Report

**Operator:** TR Crude, LLC  
501 South Park Blvd.  
Independence, Kansas 67301

**Date:** April 16, 2013

**Reference Well:** Johnson #20-1      **API #:** 15-035-24,496-00-00

**Spot Location:** NW SW SE Section 20 – Township 34 South – Range 7 East  
(990' FSL, 2310' FEL)  
Cowley County, Kansas  
Donelson West Oil & Gas Field

**Drilling Commenced:** March 25, 2013

**Drilling Finished:** April 13, 2013

**Ground Elevation:** 1,292' (estimated)

**Topography/Vegetation:** Flat/Pasture

**Drilling Contractor:** McPherson Drilling Company      KCC License # 5495  
15256 112<sup>th</sup> Road  
Winfield, Kansas 67156

**Hole/Casing Data:** 300' of 8.625" Surface Casing installed/cemented by  
Consolidated Oil Well Services.  
6.25" Borehole drilled to 2,647'. for production purposes.  
4.5" Production Casing installed/cemented with additives by  
Consolidated Oil Well Services.

**Total Depth:** 2,647'

**Electric Log Program:** Open Hole (Tucker Wireline) – Compensated Neutron/Density  
Phased Induction/Shallow Focus  
MICRO Log

This geological report concludes wellsite supervision and sample examination on the above referenced test well. The well was drilled to a total depth (TD) of 2,647' to allow for hydrocarbon analysis through the Altamont Limestone formation. The drilling samples exhibited a good to excellent oil show for this formation. Based on this show it was recommended to install/cement production casing to allow for further testing.

Significant geologic marker zones and hydrocarbon shows are described in the following lithology report. The estimated ground elevation is 1,292' from which all measurements were made. This report has been correlated with the open hole suite of electric logs provide by Tucker Wireline Services of Tulsa, Oklahoma

<u>DEPTH (feet)</u>	<u>LITHOLOGY</u>
000 – 1,470	No samples observed.
1,887 – 1,972	<b>Layton Sandstone</b> (Upper or Little Salt Sandstone) – No shows observed.
2,153 – 2,261	<b>Layton Sandstone</b> (Lower or Big Salt Sandstone) – No shows observed.
2,370 – 2,376	<b>Drum Limestone</b> – Cream to buff, fine crystalline, poor porosity, no shows observed.
2,380 – 2,389	<b>Redd Sandstone</b> - Clear to frosted, very fine grained, clean, fair porosity, no shows observed.
2,449 – 2,452	<b>Holdenville Shale</b> - Grayish to black.
2,462 – 2,483	<b>Lenapah Limestone</b> – Cream to grayish, fine crystalline, interbedded with shale. No shows observed.
2,483 – 2,544	<b>Wayside Sandstone</b> (Interval) – Grayish shale, silty, no sandstone observed.
2,544 – 2,574	<b>Altamont Limestone</b> – Cream to buff, fine crystalline, dense, poor porosity, no shows observed from 2,544 – 2,551'. Gray shale interval from 2,551 – 2,554'. Limestone as before, broken, good porosity, good to excellent fluorescence, good to strong odor, good “cut” with acid, probable commercial oil zone from 2,554 – 2,561'. Limestone as before, dense, poor to tight porosity, no hydrocarbon shows observed balance of formation.



2,574 – 2,647                      Shale - Grayish

2,647'                                      **Drillers' Total Depth**

**Formation Top Comparison**

	<b><u>Johnson #20-1</u></b>	<b><u>Gammon Fossil #20-3**</u></b>
<b><i>Formation</i></b>	<b><i>Depth(Sub-Sea)</i></b>	<b><i>Depth (Sub-Sea)</i></b>
<b>Drum Limestone</b>	2,370' (-1,078)	2,350' (-1,078)
<b>Lenapah Limestone</b>	2,462' (-1,170)	2,444' (-1,172)
<b>Altamont Limestone</b>	2,544' (-1,252)	2,526' (-1,254)

\*\* The B-C Steel, LLC **Gammon Fossil #20-3** well is located 990' FSL, 2,970' FEL of Section 20 – Township 34 South – Range 7 East, Cowley County, Kansas. Estimated elevation is 1,272'.

Please feel free to contact my office if you have any questions concerning this report.

Sincerely,



Thomas H. Oast  
Geological Consultant