



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1202362  
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
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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: \_\_\_\_\_

1202362

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

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Johnson County, KS  
 Well: White I-4  
 Lease Owner: DE

Town Oilfield Service, Inc.  
 (913) 837-8400

Commenced Spudding:  
 2/17/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
26	Soil/Clay	26
9	Shale	35
24	Lime	59
8	Shale	67
8	Lime	75
5	Shale	80
18	Lime	98
12	Shale	110
10	Sand	120
8	Sandy Shale	128
22	Lime	150
44	Shale	194
10	Lime	204
17	Shale	221
5	Lime	226
5	Shale	231
12	Lime	243
20	Shale	263
7	Lime	270
7	Shale	277
3	Lime	280
34	Shale	314
1	Lime	315
11	Shale	326
22	Lime	348
8	Shale	356
23	Lime	379
4	Shale	383
5	Lime	388
3	Shale	391
5	Lime	396
6	Shale	402
19	Sandy Shale	421
19	Sand	440
4	Sandy Shale	444
124	Shale	568
3	Lime	571
5	Shale	576
2	Lime	578
12	Shale	590



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. <sup>\*</sup> 1-14

Farm White

KS Johnson  
(State) (County)

1 15 21  
(Section) (Township) (Range)

For D.E. Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400

White Farm: Johnson County

KS State; Well No. 1-4

Elevation 1011

Commenced Spuding 2-17, 20 14

Finished Drilling 2-18, 20 14

Driller's Name Chad Weaver

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Cole Holcom

Tool Dresser's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

Contractor's Name TOS

2 15 21

(Section) (Township) (Range)

Distance from 5 line, 405 ft.

Distance from E line, 3610 ft.

C.

Feet

In.

### 3-sacks CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

8" Set 21.9' 8" Pulled \_\_\_\_\_

6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2 7/8" Set 9.15 2" Pulled \_\_\_\_\_  
882 50 Sack

940 TD




Thickness of Strata	Formation	Total Depth	Remarks
26	red clay	26	
9	shale	35	
24	lime	59	
8	shale	67	
8	lime	75	
5	shale	80	
18	lime	98	
12	shale	110	(red bed)
10	sand	120	no oil
8	sandy shale	128	
22	lime	150	
44	shale	194	
10	lime	204	
17	shale	221	
5	lime	226	
5	shale	231	
12	lime	243	
20	shale	263	
7	lime	270	
7	shale	277	
3	lime	280	
34	shale	314	
1	lime	315	
11	shale	326	
22	lime	348	
8	shale	356	
23	lime	379	

379			
Thickness of Strata	Formation	Total Depth	Remarks
4	shale	383	
5	Lime	388	
3	shale	391	
5	Lime	396	Harder
6	shale	402	
19	sandy shale	421	with some shale seams
19	sand	440	with some sandy shale, no oil
4	sandy shale	444	
124	shale	568	
3	Lime	571	
5	shale	576	
2	Lime	578	
12	shale	590	
7	Lime	597	
15	shale	612	
3	Lime	615	
11	shale	626	
4	Lime	630	
21	shale	651	
6	Lime + shale	657	
67	shale	724	
11	sand	735	Brown sand, no oil
7	sandy shale	742	
114	shale	856	
2	sandy lime	858	red, 60% - 70% oil, sand bleeds
2	sand	860	50% oil
2	sand	862	80% - solid oil



862

Thickness of Strata	Formation	Total Depth	Remarks
2	sand	864	50% - 60% oil
1	Brecken sand	865	10% - 20% oil
2	Brecken sand	867	no oil
8	sand	875	gray, inc. oil
65	shale	940	TD



**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 # 266041  
 =====  
 Invoice Date: 02/20/2014 Terms: 0/0/30,n/30 Page 1  
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D.E. EXPLORATION  
 DOUG EVANS  
 P.O. BOX 128  
 WELLSVILLE KS 66092  
 (785) 883-4057

WHITE I-4  
 42643  
 SW 1-15-21  
 02-18-2014  
 KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	128.00	11.5000	1472.00
1118B	PREMIUM GEL / BENTONITE	415.00	.2200	91.30
1111	SODIUM CHLORIDE (GRANULA	269.00	.3900	104.91
1110A	KOL SEAL (50# BAG)	640.00	.4600	294.40
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

  

Description	Hours	Unit Price	Total
369 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
558 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666 CASING FOOTAGE	914.00	.00	.00

=====  
 Parts: 2015.74 Freight: .00 Tax: 148.66 AR 3968.40  
 Labor: .00 Misc: .00 Total: 3968.40  
 Sublt: .00 Supplies: .00 Change: .00  
 =====

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

BARTLESVILLE, OK 918/338-0808    EL DORADO, KS 316/322-7022    EUREKA, KS 620/583-7664    PONCA CITY, OK 580/762-2303    OAKLEY, KS 785/672-8822    OTTAWA, KS 785/242-4044    THAYER, KS 620/839-5269    GILLETTE, WY 307/686-4914    CUSHING, OK 918/225-2650





**CONSOLIDATED**  
Oil Well Services, LLC

266041

TICKET NUMBER 42643

LOCATION Ottawa, KS

FOREMAN Cary Kennedy

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/18/14	2355	White # I-4	SW 1	15	21	JO
CUSTOMER DE Exploration			TRUCK #			
MAILING ADDRESS PO Box 128			DRIVER		TRUCK #	
CITY Wellsville			DRIVER		TRUCK #	
STATE KS			DRIVER		TRUCK #	
ZIP CODE 66092			DRIVER		TRUCK #	
			DRIVER		TRUCK #	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 940' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 914' DRILL PIPE \_\_\_\_\_ TUBING baffle - 882' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32'  
 DISPLACEMENT 5.1 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer, circulated well for 1 hr to condition hole, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 128 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, & 5 # Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.1 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*[Signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	30 mi	MILEAGE		126.00 ✓
5402	914'	casing footage		✓
5407	minimum	fuel mileage		368.00 ✓
5502C	2.5 hrs	80 Vac		225.00 ✓
1124	128 sks	50/50 Pozmix cement		1472.00 ✓
1118B	415 #	Premium Gel		91.30 ✓
1111	269 #	Salt		104.91 ✓
1110A	640 #	Kalseal		294.40 ✓
1401	1/2 gal	Polymer		23.63 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
			7.375%	SALES TAX
				148.66 ✓
				ESTIMATED TOTAL
				3968.40 ✓

Ravin 3737

AUTHORIZATION Bryan Miller

TITLE **completed**

DATE \_\_\_\_\_

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