



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1222396  
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: \_\_\_\_\_

1222396

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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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**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 45161  
LOCATION 180  
FOREMAN Jacob Storm

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-23-14	3553	Jw Smith 2-B	20	28	4E	Butler
CUSTOMER Hawkins oil						
MAILING ADDRESS 427 S Boston Suite 915						
CITY tulsa		STATE ok	ZIP CODE 74103			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			603	Jeremy	537	Jeff
			687	Duston		
			491	Bradon		
			702	Jacob		

JOB TYPE Long string B HOLE SIZE 7 7/8 HOLE DEPTH 2499 CASING SIZE & WEIGHT 5 1/2 used  
 CASING DEPTH 2499 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 lb SLURRY VOL 128 BB WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 59.47 DISPLACEMENT PSI 1000 MIX PSI 300 RATE 6.3 bpm

REMARKS: Safety meeting, Run pipe centralizer on 2, 5, 14, Baskets  
on 1, 15, 31, 50, circulate hold for 30 min mix 235 sks 60/40  
po2 8 1/2 gel 2 1/2 cc 5 1/2 kol-seal 1/4 lb poly-flake tail with 100 sks  
class A 3 1/2 gel 2 1/2 cc 3 1/2 kol-seal displace with 59.47 bbl  
landing plug at 1960 psi check float float hold job complete  
circulated cement to surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	20	MILEAGE	4.20	84.00
5407	2	min bulk delivery	368.00	<del>736.00</del>
5402	999	footage	.23	229.77
1104.5	100	class A	15.70	1570.00
1131	235	60/40	13.18	3097.30
1102	550	calcium chloride	.78	429.00
1118B	2300	Gel	.22	506.00
1110A	1675	Kol-Seal	.46	770.50
1107	75	poly-flake	2.47	185.25
4114	4	5 1/2 Baskets	240.00	960.00
4130	3	5 1/2 centralizer	61.00	183.00
4159	1	5 1/2 AFW shoe	361.00	361.00
4454	1	5 1/2 latch down plug	266.75	266.75
5404	4	X 4 Personnel stand by	9900	1440.00
		Subtotal		11903.57
				1967.34
		total		9936.23
		SALES TAX 6.4%		533.04
		ESTIMATED TOTAL		10469.27

Ravin 3737 AUTHORIZATION [Signature] TITLE VP DATE 7/23/14

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

269505

TICI NUMBER 48575  
LOCATION 180  
FOREMAN LARRY STAMM

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

API-15-015-24014-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-9-14	3553	JW Smith 2-B	20	283	48	Butler
CUSTOMER HAWKINS OIL & GAS			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 427 S Boston Ave Ste 915			467	BOB M		
CITY Tulsa			502	LARRY		
STATE OK			702	LARRY		
ZIP CODE 74103						

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 221 CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 219 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL 2545 WATER gal/sk 6.8 CEMENT LEFT in CASING 45 ft  
 DISPLACEMENT 13.68 DISPLACEMENT PSI 150 MIX PSI 0 RATE 5.5 bbl/s  
 REMARKS: Brooks Circulation - Mixed 100 sks A + 3% CACW2 + 2% Bel  
1 lb Poly - Displaced 12 bbls - Circulated Cement to Surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	870.00	870.00 ✓
5406	24	MILEAGE	4.20	100.80 ✓
5407	1	Bulk Delivery	368.00	368.00 ✓
1104 S	100 sks A		15.70	1884.00 ✓
1102	400 lbs CACW2		.78	312.00 ✓
1118 B	250 lbs GpD		.22	55.00 ✓
1107	50 lbs Poly		2.47	123.50 ✓
		Subtotal		3713.30 ✓
		SALES TAX		151.97 ✓
		ESTIMATED TOTAL		3865.27 ✓

Ravin 3737 AUTHORIZATION Dan Cox TITLE \_\_\_\_\_ 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.

# GEOLOGICAL REPORT

Hawkins Oil, LLC

J.W. Smith #2-B

NW NW SW Section 20-T28S-R4E

Butler County, Kansas

COMMENCED: 07-17-14  
 COMPLETED: 07-23-14  
 CONTRACTOR: Summit Drilling Company  
 SIZE OF HOLE: 77/8"  
 SURFACE PIPE: 8 5/8"  
 CEMENTED WITH: N/A  
 LONG STRING: 5 1/2"  
 CEMENTED WITH: N/A  
 R.T.D.: 2499

William M. Stout  
 Geologist

*Handwritten signature and date: W. M. Stout 7-26-14*

## FORMATION TOPS

Formation	Sample
Kansas City	2054-767
Base Kansas City	2269-982
Marmaton	2298-1011
Hepler Sand	Absent
Cherokee	2426-1139
Ardmore	2476-1189
Arbuckle	2495-1208
Total Depth	2499-1212

## SAMPLE SHOW DESCRIPTIONS

Kansas City 2054 (-767)  
 2056' - 2100'

Limestone - light brown, light gray, fine crystalline, dense, fossiliferous, oolitic in part, faint to fair odor, scattered light stain, no show free oil, scattered intercrystalline porosity, spotty fluorescence.

Arbuckle 2495' (-1212)  
 2490' - 2498'

Dolomite - light brown, fine to medium crystalline, some dense, good odor, scattered intercrystalline and vugular porosity with brown stain and fluorescence, show free oil with gas bubbles, some chert gray, translucent, fresh. Covered by Drill Stem Test #1.

DST #1 2484' - 2499'

Open tool 15 min. had strong blow building to bottom of the bucket in 4 min. Close tool 30 min. Open tool 30 min. had strong blow building to bottom of the bucket in 1.5 min. Close tool 60 min. Recovered 63' gas in pipe, 189' clean gassy oil (41 degree gravity), 31' mud cut oil (10% mud, 90% oil), 31' mud cut oil (20% mud, 80% oil), 189' oil cut mud (10% oil, 90% mud), 189' oil cut mud (5% oil, 95% mud), 630' total fluid.

IFP 60-186# FFP 225-324#  
 ISIP 1000# FSIP 1096#  
 HP 1241-1198#  
 Temp. - 107 degrees

## CONCLUSIONS

The decision to run casing was made to further evaluate the Arbuckle through perforations.

