



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1315764  
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<br>Recompletion Date | Date Reached TD | Completion Date or<br>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: \_\_\_\_\_

1315764

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<br><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<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><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><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|





**CONSOLIDATED**  
Oil Well Services, LLC

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

*6096  
6004*

807960  
TICKET NUMBER 50163  
LOCATION Ottawa  
FOREMAN Alm Maden

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

| DATE                                   | CUSTOMER # | WELL NAME & NUMBER | SECTION    | TOWNSHIP         | RANGE              | COUNTY |
|--|------------|--------------------|------------|------------------|--------------------|--------|
| 6-29-16                                | 4807       | Stardivan 3 LD-43  | NW 34      | 23               | 16                 | Wb     |
| CUSTOMER<br><u>Lake shore</u>          |            |                    | TRUCK #    | DRIVER           | TRUCK #            | DRIVER |
| MAILING ADDRESS<br><u>340 S. Laura</u> |            |                    | <u>804</u> | <u>Alm Maden</u> | <u>Safety Meet</u> |        |
| CITY<br><u>Wichita</u>                 |            |                    | <u>368</u> | <u>Al Mad</u>    |                    |        |
| STATE<br><u>Ks</u>                     |            |                    | <u>369</u> | <u>M:K Hag</u>   |                    |        |
| ZIP CODE<br><u>67211</u>               |            |                    |            |                  |                    |        |

JOB TYPE log string HOLE SIZE 5 7/8 HOLE DEPTH 1092 CASING SIZE & WEIGHT 2 7/8  
CASING DEPTH 1083 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL. \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 603 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed + pumped 100# gel followed by 127 sk Poz Blend II-A plus 2 1/2 gal 5# Kol seal, 1# phenoseal per sack. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 Pst. Set float.

Tackman Drilling Esau.

*Alm Maden*

| ACCOUNT CODE      | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|-------------------|-------------------|------------------------------------|------------|-------|
| CE0450 ✓          | 1                 | PUMP CHARGE                        | 363        |       |
| CE0002 ✓          | 40                | MILEAGE                            | 368        |       |
| CE0711 ✓          | min               | formulas                           | 804        |       |
| WE0853 ✓          | 3                 | 80 vac                             | 369        |       |
|                   |                   | sub                                |            |       |
|                   |                   | less 47%                           |            |       |
| <del>CE0582</del> | 127               | Poz Blend II A                     |            |       |
| CE5965 ✓          | 318#              | gel                                |            |       |
| CE10277 ✓         | 635#              | Kol seal                           |            |       |
| CE6679 ✓          | 127               | Phenoseal                          |            |       |
| CE8176 ✓          | 1                 | 2 1/2 plug                         |            |       |
|                   |                   | sub                                |            |       |
|                   |                   | less 47%                           |            |       |
|                   |                   |                                    |            | 7.5%  |

Form 3737

AUTHORIZATION

*[Signature]*

TITLE

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.

Jackman Oilfield Services  
 1 West Mulberry St.  
 Colony, KS 66015  
 620-852-3350

WELL LOG  
 Lakeshore Operating, LLC  
 Sturdivan 3 LO-43

June 26, 2016

| <u>Thickness<br/>of Strata</u> | <u>Formation</u> | <u>Total</u> |             |
|--------------------------------|------------------|--------------|-------------|
| 6.00                           | Soil/clay        | 6.00         |             |
| 3.00                           | Lime             | 9.00         |             |
| 28.00                          | Shale            | 37.00        |             |
| 5.00                           | Lime             | 42.00        |             |
| 117.00                         | Shale            | 159.00       |             |
| 94.00                          | Lime             | 253.00       |             |
| 25.00                          | Sand stone       | 278.00       |             |
| 23.00                          | Lime             | 301.00       |             |
| 17.00                          | Sand stone       | 318.00       |             |
| 158.00                         | Lime             | 476.00       |             |
| 17.00                          | Sand stone       | 493.00       |             |
| 171.00                         | Lime             | 664.00       |             |
| 183.00                         | Shale            | 847.00       |             |
| 8.00                           | Lime             | 855.00       |             |
| 57.00                          | Shale            | 912.00       |             |
| 4.00                           | Lime             | 916.00       |             |
| 6.00                           | Shale            | 922.00       |             |
| 7.00                           | Lime             | 929.00       |             |
| 12.00                          | Shale            | 941.00       |             |
| 4.00                           | Lime             | 945.00       |             |
| 64.00                          | Shale            | 1,009.00     |             |
| 3.00                           | Top oil sand     | 1,012.00     | Good bleed  |
| 3.00                           | Broken sand      | 1,015.00     | Light bleed |
| 6.50                           | Oil sand         | 1,021.50     | Good bleed  |
| 0.50                           | Shale            | 1,022.00     |             |
| 3.00                           | Oil sand         | 1,025.00     | Good bleed  |
| 17.00                          | Shale            | 1,042.00     |             |
| 1.00                           | Lime             | 1,043.00     |             |
| 6.00                           | Oil sand         | 1,049.00     | Good bleed  |
| 4.00                           | Shale/oil sand   | 1,053.00     |             |
| 2.50                           | Oil sand         | 1,055.50     | Good bleed  |
| 36.50                          | Shale            | 1,092.00     | TD          |

Drilled a 9 7/8" hole to 39'7"

Drilled a 5 7/8" hole to 1092'

Set 40' of 7" surface casing cemented with 10 sacks of portland cement

Ran 1083' of 2 7/8"

2 cores

No seating nipple

Cemented on 6/27/16

Sturdivan 3 LO-43

**F103**

Replacement Chart M3181-X

LLF18103

**Mining Services Chart**

CHANGE CHARTS AT 9:00 A.M. AND 9:00 P.M.

OPERATION

10825912

NO

43

LEASE

Standard 3

LOC

SEC

T

R

COUNTY

STATE

KS

DATE ON

T. D. OFF

TIME ON

A.M.

P.M.

T. D. ON

DR LG TIME DR LG OPERATIONS

8:00

05

10

15

20

25

30

35

40

45

50

55

9:00

05

10

15

20

25

30

35

40

45

50

55

10:00

05

10

15

20

25

30

35

40

45

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11:00

05

10

15

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25

30

35

40

45

50

55

12:00

05

10

15

20

25

30

35

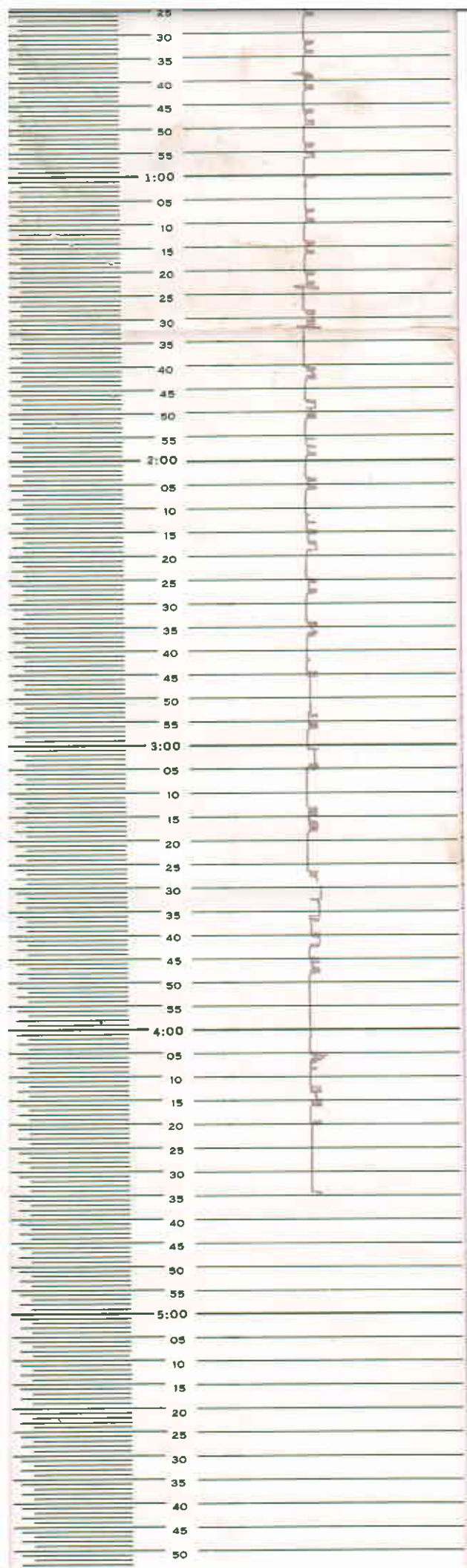
10825912

SW 1055

T.D. 1092

10825912

6-23-16





Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Jay Scott Emler, Chairman  
Shari Feist Albrecht, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

November 09, 2016

Wesley Ketcham  
Lakeshore Operating, LLC  
23 1/2 E. MADISON AVE SUITE A  
IOLA, KS 66749

Re: ACO-1  
API 15-207-29344-00-00  
STURDIVAN 3 LO-43  
NW/4 Sec.34-23S-16E  
Woodson County, Kansas

Dear Wesley Ketcham:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 6/26/2016 and the ACO-1 was received on November 09, 2016 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department