



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1152712  
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: \_\_\_\_\_



1152712

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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SODOCO, LLC
Well Name	Rees Ranch 4-19
Doc ID	1152712

Tops

Name	Top	Datum
Base Anhydrite	2347	+836
Heebner	3962	-799
Toronto	3983	-800
Lansing	4011	-828
Muncie Creek	4214	-1031
Stark Shale	4325	-1142
Hush Puckney	4376	-1193
Base Kansas City	4467	-1253
Marmaton	4492	-1309
Pawnee	4555	-1372
Ft Scott	4601	-1418
Cherokee Shale	4648	-1465
Johnson Zone	4737	-1554
Morrow Shale	4848	-1665
Mississippian	4951	-1768

DST #1 3969' to 3998' ( 29' anchor) 136' tail pipe /Lansing"B" straddle test  
IH: 2013.65 psig  
IF: (30 min) 26.46 to 128.10 psig  
IS: (30 min) 1002.13 psig  
FF: (30 min) 142.31 to 206.45 psig  
FS: (45 min) 1001.68 psig  
FH: 1926.66 psig  
DP recovery: (2.09 bbl) 390' MCW 20%<sub>m</sub>, 80%<sub>w</sub>

Total recovery 390'  
Built to 9"  
no return  
Built to 6"  
no return  
Chlorides 26,000 Mud system 2,000

Max BHT: 128.21°

5 1/2" Production Casing Set

**Contractor:** H2 Drilling Co. (Rig #1)

**Commenced:** May 6, 2013

**Completed:** May 15, 2013

**Elevation:** 3183' K.B.; 3181' D.F.; 3172' G.L.

**Casing program:** Surface; 8 5/8" @ 350'  
Production; 5 1/2" @ 3180'

**Sample:** Samples saved and examined 3800' to the Rotary Total Depth.

**Drilling time:** One (1) foot drilling time recorded and kept 3800 ft. to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Drill Stem Tests:** There were two (2) Drill Stem Tests ran by Trilobite Testing Co.

**Electric Log:** By Weatherford; Array Induction Shallow Focused Electric Log, Compact Photo Density Compensated Neutron Log, Micro Log and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Base Anhydrite	2347	+836
Heebner	3962	-779
Toronto	3983	-800
Lansing	4011	-828
Muncie Creek	4214	-1031
Stark Shale	4325	-1142
Hush Puckney	4376	-1193
Base Kansas City	4467	-1253
Marmaton	4492	-1309
Pawnee	4555	-1372
Ft Scott	4601	-1418
Cherokee Shale	4648	-1465
Johnson Zone	4737	-1554
Morrow Shale	4848	-1665
Mississippian	4951	-1768
Rotary Total Depth	5250	-2067
Log Total Depth	5254	-2071

(All tops and zones corrected to Electric Log measurements).

4506-4520' Limestone; as above.  
 4493-4499' Limestone; tan, cream, finely crystalline, oolitic, chalky, poor visible porosity, light brown spotty stain, no show of free oil and no odor in fresh samples.

**MARMATON SECTION**

4441-4454' Limestone; cream, tan, finely oolitic, chalky, poorly developed, trace brown stain, no free oil and no odor.  
 4380-4410' Limestone; tan, finely crystalline, few fossiliferous, poor pinpoint porosity, trace light brown stain, no free oil and no odor.  
 4350-4370' Limestone; tan, brown, finely crystalline, slightly cherty, poor porosity, no shows.  
 4332-4340' Limestone; cream, tan, oolitic, oomoldic, poorly developed oomoldic porosity, no shows.  
 4300-4314' Limestone; tan, oolitic, oomoldic, fair oomoldic porosity, trace spotty stain, no show of free oil and no odor.  
 4275-4292' Limestone; tan, brown finely crystalline, fossiliferous, slightly cherty, no shows.  
 4260-4274' Limestone; cream, tan, finely crystalline, poor scattered porosity, trace spotty brown stain, no free oil and no odor.  
 4229-4231' Limestone; cream, tan, buff, finely crystalline, oolitic, few oomoldic.  
 4140-4160' Limestone; cream, white, finely crystalline, oolitic, poor intercrystalline porosity, trace black stain, no free oil and questionable odor in fresh samples.  
 4109-4130' Limestone; tan, cream, finely crystalline, few fossiliferous, poorly developed porosity, trace light brown stain, no show of free oil and no odor.  
 4060-4090' Limestone; cream, finely crystalline, chalky, poor visible porosity, no shows.  
 4043-4047' Limestone; cream, gray, finely crystalline, fossiliferous, poor porosity, trace stain, no free oil and no odor.  
 4206-4036' Limestone; cream, tan, finely crystalline, poor visible porosity, cherty, questionable stain, no free oil and no odor in fresh samples.  
 4016-4021' Limestone; tan, buff, finely crystalline, few oolitic, fossiliferous, chalky, no shows.

Drill Stem Test #1 4484-4536

Times: 30-30-30-45

Blow: Weak

Recovery: 3' mud

Pressures: ISIP 239 psi

FSIP 304 psi

IFF 27-40 psi

FFP 22-88 psi

HSH 2335-2243 psi

**PAWNE SECTION**

4555-4582

Limestone; tan, cream, oolitic, finely crystalline, poor visible porosity, cherty, questionable stain.

**FT SCOTT SECTION**

4601-4610

Limestone; tan, brown, finely crystalline, oolitic, cherty, poor visible porosity, trace light brown stain, no free oil and no odor in fresh samples.

4630-4636

Limestone; brown, finely crystalline, fossiliferous, poor visible porosity, questionable stain, no free oil and no odor.

**CHEROKEE SECTION**

4643'4656'

Limestone; tan, cream, finely crystalline, oolitic, poor pinpoint porosity, chalky, trace stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #2

4610-4656'

Times: 30-30-30-30

Blow: Weak

Recovery: 3' mud

Pressures: ISIP 40 psi

FSIP 134 psi

IFF 28-30 psi

FFP 28-28 psi

HSH 2290-2196 psi

**JOHNSON ZONE SECTION**

4737-4757

Limestone; brown, finely crystalline, fossiliferous, trace poor light brown stain, no show of free oil and questionable odor in fresh samples.

**MISSISSIPPIAN SECTION**

Rotary Total Depth	Log Total Depth
4951-4971'	4850
4971-5000'	4853

Limestone; cream, white, finely crystalline, poor intercrystalline type porosity, no shows.

Limestone; as above, sandy in part.

Limestone, white, cream and tan, chalky, trace sand, white, very fine grained, no shows.

Limestone; tan, cream, finely crystalline, chalky, poor visible porosity, no shows.

Limestone; cream, tan, finely crystalline, chalky, few cherty, no shows.

Limestone; tan, oolitic, finely crystalline, poor intercrystalline porosity, scattered black and green shale.

Limestone; as above, trace sand, very fine grained, white, scattered porosity, no shows.

Limestone; tan, cream, finely crystalline, dolomitic, no shows.

Limestone; tan, fine, dense, plus gray, tan, sucrosic, dolomitic, and dolomite limestone.

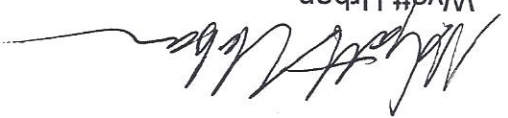
5205-5250'

Dolomite and limestone; as above, no shows.

**Recommendations:**

5 1/2" disposal casing was set and cemented, for use as a shallow disposal well.

Respectfully submitted;

  
Wyatt Urban,  
Petroleum Geologist



# ALLIED OIL & GAS SERVICES, LLC 059000

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Dakley

DATE <u>5-6-13</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 Am</u>	JOB FINISH <u>2:00 Am</u>
Rees Ranch LEASE	WELL # <u>4-19</u>		LOCATION <u>mantahal 65 1W</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			<u>Sinto</u>				

CONTRACTOR <u>H2 #1</u>	OWNER <u>same</u>
TYPE OF JOB <u>surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>350</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>349.72</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>20'</u>	
PERFS.	
DISPLACEMENT <u>21 BBL</u>	

CEMENT		
AMOUNT ORDERED <u>215 sks com 3% cc</u>		
<u>2% gel</u>		
COMMON <u>215 sks</u>	@ <u>17.90</u>	<u>3848.50</u>
POZMIX	@	
GEL <u>4 sks</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE <u>8 sks</u>	@ <u>64.00</u>	<u>512.00</u>
ASC	@	

**EQUIPMENT**

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew</u>
	HELPER <u>Dane</u>
BULK TRUCK # <u>347</u>	DRIVER <u>Brandon</u>
BULK TRUCK #	DRIVER

HANDLING <u>232.48 cu/ft</u>	@ <u>2.148</u>	<u>526.55</u>
MILEAGE <u>2.60 ton/mile</u>	<u>10.143 ton</u>	<u>1762.67</u>
		TOTAL <u>6293.31</u>

**REMARKS:**

Cement did circulate  
10 BBL  
  
Thank you

**SERVICE**

DEPTH OF JOB <u>349.72</u>		
PUMP TRUCK CHARGE	<u>1512.25</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>65 miles</u>	@ <u>2.70</u> <u>500.50</u>	
MANIFOLD <u>head</u>	@ <u>275.00</u>	
<u>Light vehicle</u>	@ <u>4.40</u> <u>286.00</u>	
		TOTAL <u>2523.25</u>

CHARGE TO: SDACO LLC  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>3</u> <u>Controlizers</u>	@ <u>24.88</u>	<u>224.64</u>
	@	
	@	
	@	
		TOTAL <u>224.64</u>

To: Allied Oil & Gas Services, LLC.  
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.

SALES TAX (If Any)	<u>19,091.70</u>
TOTAL CHARGES	<u>7,385.60</u>
DISCOUNT <u>2,206.09</u>	IF PAID IN 30 DAYS
<u>7,385.60 Net.</u>	

PRINTED NAME Gary Dokey  
SIGNATURE [Signature]

# ALLIED OIL & GAS SERVICES, LLC

060836

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTH AKE, TEXAS 76092

SERVICE POINT: *Calley*

DATE	5-16-19	SEC.	19	TWP.	19	RANGE	35	ON LOCATION		JOB START	2:00 PM	JOB FINISH	8:00 PM
LEASE	Lees Ranch												
WELL #	4-19												
LOCATION	Mud Creek (L.S. 70)												
STATE	KS												
COUNTY	Wichita												
LOCATION	5170												

CONTRACTOR *H2 #1* OWNER *Same*

TYPE OF JOB	Production
HOLE SIZE	2 7/8
CASING SIZE	5 1/2
DEPTH	3180.261
TUBING SIZE	
DRILL PIPE	
TOOL	
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT 11.10
CEMENT LEFT IN CSG.	11.10
PERF.	
DISPLACEMENT	75,42,00L

PUMP TRUCK	CEMENTER	Andrew R. ...
BULK TRUCK	HELPER	Dane R. ...
BULK TRUCK	DRIVER	Kevin R. ...
BULK TRUCK	DRIVER	David S. ...

REMARKS:  
 plug 2000 hole 2005 rat hole 305k  
 mix 485 sks life followed by 135  
 135 sks pumped lines clear  
 Release plug 0.5 place, 1300 #  
 1200 # land plug, place held.  
 Cement did circulate

CHARGE TO: *5000 LLC*  
 STREET  
 CITY STATE ZIP  
 Thank you

TERMS AND CONDITIONS: I have read and understand the "GENERAL CONTRACTOR TO DO WORK AS LISTED. THE ABOVE WORK WAS DONE TO SATISFACTION AND SUPERVISION OF OWNER AGENT OR CONTRACTOR. I HAVE READ AND UNDERSTAND THE "GENERAL CONTRACTOR TO ASSIST OWNER OR FURNISH CEMENTER AND HELPER(S) TO ASSIST OWNER OR YOU ARE HEREBY REQUESTED TO RENT CEMENTING EQUIPMENT TO: ALLIED OIL & GAS SERVICES, LLC.

SIGNATURE: *Gary De ...*  
 PRINTED NAME: *Gary De ...*  
 DISCOUNT: *6,901.27* IF PAID IN 30 DAYS  
 TOTAL CHARGES: *30,005.56*  
 SALES TAX (If Any):  
 TOTAL: *2882.88*

SERVICE	DEPTH OF JOB	3180.26
PUMP TRUCK CHARGE		2558.25
EXTRA FOOTAGE		
MILBAG 65 miles		2.20
MANIFOLD head		275.00
Light vehicle		286.00
TOTAL		2882.88

PLUG & FLOAT EQUIPMENT  
 TOTAL: *2,301.25*  
 5 1/2  
 Light float shoe  
 408.33  
 324.09  
 394.29  
 1577.16  
 574.33  
 573.90  
 10 cent roller

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 15, 2013

J. Robert Tuck  
SDOCO, LLC  
PO BOX 369  
LITTLETON, CO 80160

Re: ACO1  
API 15-203-20219-00-00  
Rees Ranch 4-19  
NW/4 Sec.19-19S-35W  
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
J. Robert Tuck