

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
January 2018  
Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:  
 Yes  No

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## Summary of Changes

Lease Name and Number: Grusing 10-14

API/Permit #: 15-101-22549-00-01

Doc ID: 1300294

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	02/19/2016	03/28/2016
Perf_Depth_3		4017 - 21
Perf_Material_3		50 gal 15 %MCA, 1000 gal 15% NE w 2% solvent
Perf_Record_3		4017 - 21
Perf_Shots_3		4
Save Link	../../kcc/detail/operatorE ditDetail.cfm?docID=12 87400	../../kcc/detail/operatorE ditDetail.cfm?docID=13 00294



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1287400  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

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All blanks must be Filled

# CONFIDENTIAL 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: \_\_\_\_\_

# *Brett's Consulting Service*

## Completions – Workovers – General Systems Setup

Brett Hildebrand 1104 Nixon Dr. Norton, Ks. 67654

Cell. - 785- 871- 7311

Office: 785- 877- 5331

Directions: **Utica, KS., 7 W. to Turkey Red rd. 2 mile N. into**

12/16/15

Grusing #10-14 - MIRU Black Ops Well Serv. - unseated pump & TOH w/ rods & pump, all equip. looked good & recovered no paraffin - flow T gualded to top sub, called f/ spear - RU swab - ran swab, 200' FIH, mostly oil, made 3 runs & tbg. clean - RO f/ tbg. - spear on location & got into top sub, pulled top sub & TOH w/ 6' & 8' subs, 126 jts. 2 7/8" 8rd tbg., SN & perf. sub - RO working head - TIH w/ 4 7/8" rock bit & 5 1/2" csg. scraper - tagged CIBP @4140' - laid dwn. 4 jts. & SDON.

Est. Cost = \$4,000

12/17/15

Grusing #10-14 - TOH w/ scraper & bit - RU Perf Tech to perf. LKC "I" 4088-93' & "F" 4017- 21', 4" HEC @4spf w/ 39 gr. charges - RD loggers - TIH w/ tools to iso. lwr. "I" 4088-93', RBP @4100' & RBP @4080' - ran swab, 100' FIH, annulus dead, no comm. - laid dwn. swab & RU RPM Servs. to spot 1 bbl. - let equal. & set PKR to treat w/ 250 gal. 15% MCA - acid on bttm. = .62 BPM, vac. - w/ 2 out = .69 BPM, vac. - w/ 4 out = .87 BPM, vac. - w/ 6 out = .95 BPM, vac. - let set 30 min., ran swab FL @2300' FS - swab dwn. to 350' FIH, rec. 17.4 of 29.8 load w/ 21% oil - SDON.

Est. 2 day cost = \$13,525

12/18/15

Grusing #10-14 - "I" 4088-93', PKR @4080' - ran swab, 600' FIH w/ 80' oil on top = 13% oil - made 6 runs, 350' FIH, rec. load of 29.8 bbl. w/ 5% oil - released PKR to clear acid off ann. - made 3 runs, last 2 were dry, upper "I" is thieving - reset PKR & resumed swabbing & 1st 2 runs dry, started making 1/2 hr. pulls - after 2.5 hrs., 180' FIH w/ trace of oil - RU RPM Servs. to retreat w/ 1,000 gal. 15% NE FE w/ 2% solvent - acid on bttm. = 1.73 BPM, vac. - w/ 8 out = 1.69 BPM, vac. - w/ 16 out = 1.67 BPM, vac. - w/ 24 out = 1.66 BPM, vac. - let set 30 min., FL @2500' FS - swab dwn. to 350' FIH, rec. 38.28 of 47.85 load w/ trace of oil - SDOWE. Est. 3 day cost = \$18,350

12/21/15

Grusing #10-14 - "I" 4088-93', PKR @4080' - ran swab, 600' FIH w/ 100' oil on top = 16% oil - swab dwn. to 350' FIH, rec. 17.4 BTF, total of 55.68 bbl., 7.8 bbl. over load w/ 13% oil - start test:

1<sup>st</sup> hr. @ 5pph rec. 9.86 BTF, 425' FIH w/ 28% oil

2<sup>nd</sup> hr. @ 5pph rec. 8.12 BTF, 340' FIH w/ 25% oil - moved tools to iso. "F" 4017-21', PKR @3983' - made 1 run, 90' FIH, 2<sup>nd</sup> run was dry - RU RPM Servs. to spot 1 bbl. - let equal. & set PKR to treat w/ 250 gal. 15% MCA - acid on bttm. = 1/2 bbl. short of perms., shut in 30 min. & acid to perms. on VSV - staged to 400# over next 1.25 hrs. & w/ 3/4 bbl. out, started feeding @ 1/4 BPM, 300# - w/ 2 out = 1/4 BPM, 200# - w/ 4 out = 1/4 BPM, 100# - w/ 6 out = 1/4 BPM, 50# - ISIP = 50#, 30 sec. = vac. - let set 30 min., FL @700' FS - swab dwn. to 90' FIH, rec. 31.32 BTF, 1.32 bbl. over load w/ 90% oil - SDON. Est. 4 day cost = \$22,280

12/22/15

Grusing #10-14 - "F" 4017-21', PKR @3983' - ran swab, 550' FIH, all oil - swab dwn. to 200' FIH, rec. 8.7 BTF w/ 95% oil - start test:

1<sup>st</sup> hr. @ 4pph rec. 1.85 BTF, 90' FIH w/ 95% oil

2<sup>nd</sup> hr. @ 4pph rec. 1.45 BTF, 50' FIH w/ 95% oil - RU RPM Servs. to retreat w/ 1,000 gal. 15% NE acid w/ 2% solvent - acid on bttm. = 1.72 BPM, vac. - w/ 8 bbl. out = 1.84 BPM, vac. - w/ 16 bbl. out = 1.82 BPM, vac. - w/ 20 bbl. out = .91 BPM, vac., started pumping @1.25 BPM, 100# - w/ 24 bbl. out = 1.25 BPM, 250# - ISIP = 250#, 45 sec. to vac. - let set 30 min., ran swab FL @800' FS - swab dwn. to 150' FIH, rec. 45.82 of 48 bbl. load w/ 90% oil - RD swab, TOH w/ tools - RO prod. head & SDON.

Est. 5 day cost = \$27,327

12/23/15

Grusing #10-14 - TIH w/ 2 7/8" x 3' perf. sub @4131', SN @4128', 126 jts. 2 7/8" 8rd EUE tbg., 8', 8' & 6' subs - landed tbg. & RO f/ rods - TIH w/ 2 1/2" x 1 1/2" x 12' RWT pump, 2' x 3/4" sub, 163 x 3/4" rods, 8', 8' & 2' subs, 1 1/4" x 16' PR w/ 7' liner - spaced out pump & Walker Tank loaded tbg. - p.o.p. & RDMO. Est. 6 day cost = \$29,127

