

**CONFIDENTIAL**

**\*AMENDED\***

2/20/14

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

2/20/14

**ORIGINAL**

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

Blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 4767

Name: Ritchie Exploration, Inc.

Address 1: P.O. Box 783188

Address 2: \_\_\_\_\_

City: Wichita State: KS Zip: 67278 + 3188

Contact Person: John Niernberger

Phone: ( 316 ) 691-9500

CONTRACTOR: License # 30606

Name: Murfin Drilling Co., Inc.

Wellsite Geologist: Max Lovely

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled    Permit #: \_\_\_\_\_
- Dual Completion    Permit #: \_\_\_\_\_
- SWD    Permit #: \_\_\_\_\_
- ENHR    Permit #: \_\_\_\_\_
- GSW    Permit #: \_\_\_\_\_

11/11/11	11/22/11	11/22/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20765-00-00

Spot Description: 66' S & 30' W

NE NW SW Sec. 18 Twp. 27 S. R. 22  East  West

2,376 Feet from  North /  South Line of Section

960 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ford

Lease Name: Henry 18BC Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: Huck

Elevation: Ground: 2436 Kelly Bushing: 2447

Total Depth: 5315 Plug Back Total Depth: 5280

Amount of Surface Pipe Set and Cemented at: 351 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1445 Feet

If Alternate II completion, cement circulated from: 1445

feet depth to: surface w/ 335 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 21000 ppm Fluid volume: 1800 bbls

Dewatering method used: evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  RECEIVED

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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**MAY 25 2012**

**FEB 14 2014**

**KCC WICHITA**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-150, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: \_\_\_\_\_

Title: Production Manager Date: 5/24/12

**KCC Office Use ONLY**

- Letter of Confidentiality Received Date: 2/20/12 to 2/20/14
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NS Date: 6/24/12

Operator Name: Ritchie Exploration, Inc. Lease Name: Henry 18BC Well #: 1  
 Sec. 18 Twp. 27 S. R. 22  East  West County: Ford

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction Log</b> <b>Compensated Density/Neutron Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  <p style="text-align: center;">SEE ATTACHED</p>
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CASING RECORD <input checked="" 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
Surface	12-1/4	8-5/8	24	351	class A	250	3% cc, 2% gel
Production	7-7/8	5-1/2	15.5	5300	AA-2	175	5% W-60, 10% salt, .06% C-15

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				

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
6	4991.5 - 4995.5 (Huck)		
	***Waiting on gas market***		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4996</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No		RECEIVED MAY 25 2012 KCC WICHITA
Date of First, Resumed Production, SWD or ENHR. <u> </u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>	
Estimated Production Per 24 Hours	Oil Bbbs. <u> </u> Gas Mcf <u> </u> Water Bbbs. <u> </u> Gas-Oil Ratio <u> </u> Gravity <u> </u>	CONFIDENTIAL

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: FEB 14 2014 KCC
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**#1 Henry 18BC**

2376' FSL & 960' FWL

66' S & 30' W of NE NW SW Section 18-27S-22W

Ford County, Kansas

API# 15-057-20765-0000

Elevation: 2436' GL: 2447' KB

Sample Tops

Anhydrite	1486'	+961
B/Anhydrite	1517'	+930
Stotler	3539'	-1092
Heebner	4198'	-1751
Lansing	4324'	-1877
Muncie Shale	4520'	-2073
Stark Shale	4652'	-2205
Hush.	4689'	-2242
BKC	4733'	-2286
Marmaton	4788'	-2341
Pawnee	4858'	-2411
Cherokee Shale	4931'	-2484
Huck. LS	4976'	-2529
Atoka Shale	4982'	-2535
Mississippian	5008'	-2561
RTD	5315'	-2868

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FEB 16 2012

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