KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34625
Name: Wausau Development Corp.
Address 1: 2300 HWY 11 North
Address 2:
City: Laurel State: MS Zip: 39440 + ____
Contact Person: Ron Taylor
Phone: (601) 649-7639
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: OKT Resources, LLC
Well Name: Harkness #1-15
Original Comp. Date: 08.14.09 Original Total Depth: 4,718

☐ 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 #:

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
		02.27.13

API No. 15 - 171-20722-00-02

Spot Description:
NW SW SE SE Sec. 15 Twp. 19 S. R. 31 ☐ East ☑ West
506 Feet from ☐ North / ☑ South Line of Section
1,307 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

County: Scott
Lease Name: Harkness Well #: 1-15 SWD
Field Name: Wildcat
Producing Formation: NA
Elevation: Ground: 2,950 Kelly Bushing: 2,955
Total Depth: 4,718 Plug Back Total Depth: 2,128
Amount of Surface Pipe Set and Cemented at: 339 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2,363 Feet
If Alternate II completion, cement circulated from: 2,363
feet depth to: surface w/ 575 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: NA ppm Fluid volume: NA bbls
Dewatering method used: NA

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

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 82-3-130, 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: Dwight Brehm-Consultant Date: March 20, 2013

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☐ Letter of Confidentiality Received
Date:
☐ Confidential Release Date:
☑ Wireline Log Received
☐ Geologist Report Received
☑ UIC Distribution
ALT ☐ I ☑ II ☐ III Approved by: DLG Date: 3/25/13

Side Two

Operator Name: Wausau Development Corp. Lease Name: Harkness Well #: 1-15 SWD

Sec. 15 Twp. 19 S. R. 31 ☐ East ☑ West County: Scott

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Gamma Ray - Neutron Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Cedar Hill	1,830	2,002

CASING RECORD ☑ New ☐ 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	339	Common	190	2% Gel, 3% cc
Production	7 7/8"	4 1/2"	10.5	4,659	Bttm Stage, ASC	150	2% Gel, 10% cc
					Top Stage, Lite	575	1/4# flowseal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	4,520 - 4,526	2,500 gall 15% HCl w/700 CSCF Nitrogen	4520-26
4	4,483 - 4,488	1,500 gall 15% HCl	4483-88
4	1,902 - 1,922		
	CIBP @ 4,370	2 sacks cement on top	
	CIBP @ 2,128	2 sacks cement on top	

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2 3/8"	1,855	1,855	☐ 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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202