

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 6926  
 Name: Advantage Resources, Inc.  
 Address: 1775 Sherman St. - Suite 1600  
 City/State/Zip: Denver Colorado 80203  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: David Pauly  
 Phone: (316) 264-0490  
 Contractor: Name: Duke Drilling Co., Inc.  
 License: 5929  
 Wellsite Geologist: Brad Rine

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 Gas     ENHR     SIGW    18 KCC  
 Dry     Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>07-31-01</u>	<u>08-10-01</u>	<u>09-13-01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 097-21469-0000  
 County: Kiowa County, Kansas  
NE NW Sec. 18 Twp. 28 S. R. 17  East  West  
700 feet from S (N) (circle one) Line of Section  
1850 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE (NW) SW  
 Lease Name: Byrd Hardy Well #: 3  
 Field Name: Hardy

Producing Formation: Miss. Chat (Osage)  
 Elevation: Ground: 2183' Kelly Bushing: 2194'  
 Total Depth: 4910' Plug Back Total Depth: 4439'  
 Amount of Surface Pipe Set and Cemented at 509 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 509  
 feet depth to surface w/ 150 sx cml.

Drilling Fluid Management Plan Act 1 11/7/01 JB  
 (Data must be collected from the Reserve Pit)  
 Chloride content 4000 ppm Fluid volume 1800 bbls  
 Dewatering method used Evaporation  
 Location of fluid disposal if hauled offsite:  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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.

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: Louis C. Bortz  
 Title: Vice President Date: 10/19/01

Subscribed and sworn to before me this 19th day of October,  
2001.  
 Notary Public: Christine K. Pettinger  
 Notary Commission Expires: 9/9/02

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**IOG**

Operator Name: Advantage Resources, Inc. Lease Name: Byrd Hardy Well #: 3  
 Sec. 18 Twp. 28 S. R. 17  East  West County: Kiowa County, Kansas

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 copy of all Electric Wireline 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  
 (Submit Copy)

List All E. Logs Run:  
 Dual Induction  
 Neutron/Density

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	4032	-1828
Lansing	4204	-2000
B/ Kansas City	4587	-2383
Miss. Chat	4770	-2566
Kinderhook	4868	-2664
T.D.	4909	-2705

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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	509'	65/35 Class A	150 200	3%cc #floseal 3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	5908'	ASC	200	

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 (Amount and Kind of Material Used)	Depth
2	4772-4794	2500 gal. 15% FE acid	4772-94
		Frac'd w/ 36,500# sand	" "

**LOGGING RECORD**

Size 2-3/8" Set At 4785 Packer At n/a Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. Waiting on pipeline Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	--	129*	-0-		

**METHOD OF COMPLETION**

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

\*First hour of multi-point test (see attached)