

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33074  
Name: Dart Cherokee Basin Operating Co., LLC  
Address: P O Box 177  
City/State/Zip: Mason MI 48854-0177  
Purchaser: Oneok  
Operator Contact Person: Beth Oswald  
Phone: (517) 244-8716  
Contractor: Name: McPherson  
License: 5675

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Wellsite Geologist: Bill Barks  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 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. \_\_\_\_\_

1-18-05	1-20-05	1-28-05
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-25949-00-00  
County: Wilson

     NW      NW      SE Sec. 23 Twp. 30 S. R. 15  East  West  
2300' FSL \_\_\_\_\_ feet from S / N (circle one) Line of Section  
2050' FEL \_\_\_\_\_ feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Arnold Well #: C3-23  
Field Name: Cherokee Basin Coal Gas Area

Producing Formation: Penn Coals  
Elevation: Ground: 835' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1284' Plug Back Total Depth: 1282'  
Amount of Surface Pipe Set and Cemented at 22' 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 Alt II NCR 7-22-08  
(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 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: Beth Oswald

Title: Admin & Engr Asst Date: 4-13-05

Subscribed and sworn to before me this 13<sup>th</sup> day of April

2005

Notary Public: Karen L. Welton

Date Commission Expires: \_\_\_\_\_

KCC Office Use ONLY

ND Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received

KAREN L. WELTON UIC Distribution  
Notary Public - Michigan  
Ingham County  
My Commission Expires Mar 3, 2007  
Acting in the County of Ingham

Operator Name: Dart Cherokee Basin Operating Co., LLC Lease Name: Arnold Well #: C3-23  
 Sec. 23 Twp. 30 S. R. 15 ✓ East West County: Wilson

**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 <input type="checkbox"/> Yes ✓ No (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes ✓ No  Cores Taken Yes ✓ No  Electric Log Run ✓ Yes No (Submit Copy)  List All E. Logs Run:  High Resolution Compensated Density Neutron & Dual Induction	Log Formation (Top), Depth and Datum ✓ Sample  Name Top Datum  See Attached
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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
Surf	11"	8 5/8"	24#	22'	Class A	4	
Prod	6 3/4"	4 1/2"	9.5#	1282'	Thick Set	140	See Attached

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				

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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	1126'-1128'	300 gal 15% HCl, 3045# sd, 255 BBL fl	
4	988'-990'	300 gal 15% HCl, 1170# sd, 190 BBL fl	
4	853'-855'	300 gal 15% HCl, 2420# sd, 230 BBL fl	
4	743'-750.5'	300 gal 15% HCl, 5515# sd, 380 BBL fl	

TUBING RECORD	Size 2 3/8"	Set At 1224'	Packer At NA	Liner Run Yes ✓ No
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Date of First, Resumed Production, SWD or Enhr. 2-26-05	Producing Method Flowing ✓ Pumping Gas Lift Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. NA	Gas Mcf 5	Water Bbls. 14	Gas-Oil Ratio NA	Gravity NA
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    ✓ Sold     Used on Lease     
  Open Hole    Perf.    Dually Comp.     Commingled \_\_\_\_\_  
 (If vented, Sumit ACO-18.)       Other (Specify) \_\_\_\_\_

**McPherson Drilling LLC Drillers Log**

<b>Rig Number:</b> 1	<b>S. 23</b>	<b>T. 30</b>	<b>R. 15 E</b>
<b>API No.:</b> 15- 205-25949	<b>County:</b> Wilson		
<b>Elev.</b> 835'	<b>Location:</b>		

<b>Operator:</b>	Dart Cherokee Basin Operating Co. LLC		
<b>Address:</b>	3541 CR 5400 Independence, KS 67301		
<b>Well No:</b>	<b>C3-23</b>	<b>Lease Name:</b>	<b>Arnold</b>
<b>Footage Location:</b>	2300 ft. from the	<b>South</b>	<b>Line</b>
	2056 ft. from the	<b>East</b>	<b>Line</b>
<b>Drilling Contractor:</b>	<b>McPherson Drilling LLC</b>		
<b>Spud date:</b>	1/18/2005	<b>Geologist:</b>	
<b>Date Completed:</b>	1/20/2005	<b>Total Depth:</b>	1284'

<b>Gas Tests:</b>
<h1>ORIGINAL</h1>
<b>Comments:</b>
start injecting water @ 500

Casing Record			Rig Time:
	<b>Surface</b>	<b>Production</b>	
<b>Size Hole:</b>	11"	6 3/4"	
<b>Size Casing:</b>	8 5/8"	McPherson	
<b>Weight:</b>	20#		
<b>Setting Depth:</b>	22'		
<b>Type Cement:</b>	Portland	McPherson	<b>Driller - Andy Coats</b>
<b>Sacks:</b>	4		

Well Log										
Formation	Top	Btm.		Formation	Top	Btm.		Formation	Top	Btm.
soil	0	4		Mulky	743	749				
sand	4	14		3rd Oswego	749	752				
shale	14	101		shale	752	792				
sand shale	101	142 wet		coal	792	794				
shale	142	179		shale	794	811				
lime	179	201		coal	811	812				
shale	201	225		shale	812	847				
lime	225	271		coal	847	849				
shale	271	305		shale	849	925				
sand shale	305	335 wet		coal	925	926				
lime	335	358		shale	926	987				
shale	358	428		coal	987	989				
coal	428	429 wet		shale	989	1005				
shale	429	523		sand	1005	1110				
lime	523	530		shale	1110	1129				
sand shale	530	638		coal	1129	1131				
coal	638	639		shale	1131	1139				
shale	639	643		Mississippian	1139	1284				
pink lime	643	659								
shale	659	704								
Oswego	704	729								
Summit	729	738								
2nd Oswego	738	743								

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