

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

CONFIDENTIAL

ORIGINAL

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

5-15-03	5-16-03	6-3-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30305-00-00  
 County: Montgomery  
SW-SW NE NE Sec. 3 Twp. 32 S. R. 15  East  West  
3976' FSL feet from S N (circle one) Line of Section  
1200' 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: Heape Well #: A4-3  
 Field Name: Jefferson-Sycamore  
 Producing Formation: Penn Coals  
 Elevation: Ground: 783' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1304' Plug Back Total Depth: 1300'  
 Amount of Surface Pipe Set and Cemented at 20 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate completion, cement circulated from 1300  
 feet depth to 0 w/ 160 sx cmt.

**Drilling Fluid Management Plan** All 11 cells 7-23-03  
 (Data must be collected from the Reserve Pit)  
 Chloride content 516 ppm Fluid volume 500 bbls  
 Dewatering method used pmpd out on ground  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: Dart Cherokee Basin Operating Co., LLC  
 Lease Name: \_\_\_\_\_ License No.: 33074  
 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: Engineering Assistant Date: 7-11-03  
 Subscribed and sworn to before me this 11<sup>th</sup> day of July, 2003.  
 Notary Public: Cheryl L. Quinn  
 Date Commission Expires: 10-20-05

**KCC Office Use ONLY**

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

Operator Name: Dart Cherokee Basin Operating Co., LLC Lease Name: Heape Well #: A4-3  
Sec. 3 Twp. 32 S. R. 15  East  West County: Montgomery

**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, and 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Log Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attached	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
High Resolution Compensated Density Neutron			

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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"		20'	Class A	4	
Prod	6 3/4"	4 1/2"	10.5	1300'	50/50 Poz	160	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				

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
	See Attached		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	1257'	NA	Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
6-16-03		Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	NA	11	48	NA	NA

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION  Dually Comp.  Commingled \_\_\_\_\_

Production Interval \_\_\_\_\_

Release  
AUG 31 2004  
From  
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Dart Cherokee Basin Operating Co LLC #33074  
Heape A4-3 API #15-125-30305-00-00  
SW NE NE Sec 3 T32S-R15E  
Attachment to ACO-1 Well Completion Form

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Shots Per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
6	1168.5'-1169.5'	300 gal 12% HCl, 1590# sd, 175 BBL fl	
6	1124'-1125'	300 gal 12% HCl, 1280# sd, 225 BBL fl	
6	1001.5'-1002.5'	300 gal 12% HCl, 1585# sd, 205 BBL fl	
6	952.5'-953.5'	300 gal 12% HCl, 1515# sd, 175 BBL fl	
6	878.5'-879.5'	300 gal 12% HCl, 240# sd, 140 BBL fl	
6	790-794.5'	500 gal 12% HCl, 6855# sd, 460 BBL fl	

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McPherson Drilling LLC Drillers Log

ORIGINAL

Log Number: 3	S. 3	T. 32	R. 15 E
API No: 15- 125-30305-0000	County: Montgomery	Location: SW NE NE	

Operator: Dart Cherokee Basin Operating Co. LLC	Address: P.O. Box 177 Mason, MI 48854-0177		
Well No: A4-3	Lease Name: Heape	Footage Location: 3976 ft. from the South Line 1200 ft. from the East Line	
Drilling Contractor: McPherson Drilling LLC	Spud date: 5/15/03	Geologist: Bill Barks	Date Completed: 5/16/03
	Total Depth: 1304'		

Gas Tests:

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Casing Record			Rig Time:
Size Hole: 11"	Surface: 11"	Production: 6 3/4"	RECEIVED JUL 15 2003 KCC WICHITA
Size Casing: 8 5/8"			
Weight: 20#		McPherson	
Setting Depth: 20'	Portland	McPherson	
Type Cement: 4		McPherson	

Remarks:

start injecting water @ 280'

**Well Log**

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
top soil	0	11	pink lime	636	655	shale	1169	1187
shale	11	14	shale	655	724	Mississippi	1187	1304 TD
lime	14	16	1st Oswego	724	756 odor			
sand	16	87 no sho	Summit	756	767			
sand/shale	87	133	2nd Oswego	767	787			
lime	133	136	Mulkey	787	794			
shale	136	144	3rd Oswego	794	801			
lime	144	157	shale	801	813			
shale	157	187	coal	813	815			
lime	187	247	shale	815	834			
shale	247	250	sand	834	847 no sho			
sand	250	277 no sho	sand/shale	847	899			
sand/shale	277	327	coal	899	901			
lime	327	339	shale	901	950			
sand/shale	339	445	coal	950	953			
lime	445	478	sand/shale	953	1002			
shale	478	485	coal	1002	1003			
lime	485	538	sand/shale	1003	1038			
sand/shale	538	547	coal	1038	1040			
sand	547	560 odor	shale	1040	1123			
sand/shale	560	632	coal	1123	1125			
coal	632	633	sand/shale	1125	1167			
shale	633	363	coal	1167	1169			

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CONSOLIDATED OIL WELL SERVICES AN INFINITY COMPANY

211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

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TICKET NUMBER 20898

LOCATION Bartholville

FIELD TICKET

DATE 5-19-03	CUSTOMER ACCT # 2368	WELL NAME Heape # A4-3	QTR/QTR	SECTION 3	TWP 22	RGE 15	COUNTY Mort	FORMATION
CHARGE TO DART				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE LONGSTRING		\$525.00
1105	1 SK	COTTONSEED HILLS	*	\$12.55
1107	2 SKS	Flo-SEAL	*	<del>\$25.00</del> 113.2
1110	16 SKS	GILSONITE	*	\$310.40
1111	385 #	SALT	*	\$38.50
1118	5 SKS	GEL	*	\$59.00
1123	5700 gal	CITY H2O	*	\$64.13
4401	1	1/2 pt g	*	27.00
1238	1 gal	FORMER		\$30.00
BLENDING & HANDLING				
5407	1 TRK	TON-MILES MIN		\$190.00
STAND BY TIME				
MILEAGE				
5501	6 Hrs	WATER TRANSPORTS X 1 Release		\$450.00
VACUUM TRUCKS				
FRAC SAND				
1124	160 SKS	CEMENT ✓ 50/50	*	\$1032.00
				* SALES TAX \$91.13

Ravin 2790

ESTIMATED TOTAL ~~\$2572.96~~ 2943.38

CUSTOMER or AGENTS SIGNATURE William Baly

CIS FOREMAN Travis Therre 2943.38

CUSTOMER or AGENT (PLEASE PRINT)

DATE 5-19-03

184131

7-11-04

*D*  
**DART OIL & GAS CORPORATION**  
*a Dart Energy Company*

Release  
AUG 17 2004  
From  
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P.O. BOX 177, 600 DART ROAD  
MASON, MICHIGAN 48854-0177  
TELEPHONE (517) 676-2900  
FAX (517) 676-5887  
E-MAIL [contact@dartoilandgas.com](mailto:contact@dartoilandgas.com)  
WEB SITE [www.dartenergy.com/oilandgas](http://www.dartenergy.com/oilandgas)

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July 11, 2003

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Mr. David Williams  
Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S Market Rm 2078  
Wichita KS 67202

Re: Heape A4-3  
15-125-30305-00-00  
SW NE NE Sec 3 T32S-R15E, Montgomery

Dear Mr. Williams:

Dart Cherokee Basin Operating Co., LLC would like to request confidentiality status pursuant to KCC rule 82-3-107 for the above mentioned well.

If you have any questions, please contact me at 517-244-8716.

Sincerely,

*Beth Oswald*

Beth Oswald,  
Engineering Assistant