

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

Form AGO-1  
September 1999  
Form Must Be Typed

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. \_\_\_\_\_  

<u>10-30-02</u>	<u>11-2-02</u>	<u>1-14-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30207-00-00  
 County: Montgomery  
SE - NW SE SE Sec. 2 Twp. 31 S. R. 15  East  West  
750' FSL feet from S / N (circle one) Line of Section  
700' 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: Shafer Well #: D4-2  
 Field Name: Jefferson-Sycamore  
 Producing Formation: Penn Coals  
 Elevation: Ground: 968' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1364' Plug Back Total Depth: 1350'  
 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 II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content NA ppm Fluid volume 120 bbls  
 Dewatering method used empty w/ vac trk and air dry  
 Location of fluid disposal if hauled offsite:  
 Operator Name: Dart Cherokee Basin Operating Co  
 Lease Name: Lavelly 4C License No.: 33074  
 Quarter NE Sec. 3 Twp. 31 S. R. 15  East  West  
 County: Montgomery Docket No.: D-23422

**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: Engr Asst Date: 4-8-03  
 Subscribed and sworn to before me this 8th day of April,  
2003.  
 Notary Public: Karen L. Welton  
 Date Commission Expires: \_\_\_\_\_  

**Karen L. Welton**  
 Notary Public, Ingham County, MI  
 My Comm. Expires Mar. 3, 2007

**KCC Office Use ONLY**

Deny Letter of Confidentiality Attached DW  
 If Denied, Yes  Date: 04-23-03 (C)  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Dart Cherokee Basin Operating Co., LLC Lease Name: Shafer Well #: D4-2  
 Sec. 2 Twp. 31 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, 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 <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i>  List All E. Logs Run:  High Resolution Compensated Density Neutron	Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  See Attached <b>RECEIVED</b> KANSAS CORPORATION COMMISSION  <b>APR 10 2003</b>  CONSERVATION DIVISION WICHITA, KS
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CASING RECORD <span style="float: right;">New    Used</span>							
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	1355'	50/50 Poz	235	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 <i>(Amount and Kind of Material Used)</i>	Depth
4	1215'-1220.5'	500 gal 7 1/2% ac, 5900# sd & 575 BBL fl	
4	1217'-1220'	350 gal 10% ac, 240 BBL fl	
6	1199'-1201'	350 gal 10% ac	
7	998.5'-999.5'	350 gal 10% ac, 240 BBL fl	
6	941'-943', 907'-911'	700 gal 10% ac, 480 BBL fl	

TUBING RECORD	Size Set At	Packer At	Liner Run
2 3/8"	1286'	NA	Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. 2/11/03	Producing Method
	Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <input type="checkbox"/>

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	NA	2	35	NA	NA

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) \_\_\_\_\_

**Drillers Log  
McPherson Drilling LLC**

ORIGINAL

<b>Rig: 3</b>				
<b>API No. 15-</b>	125-30207-0000	<b>Elev.</b>	968	
<b>Operator:</b>	Dart Cherokee Basin Operating Co. LLC			
<b>Address:</b>	P.O. Box 177 Mason, MI 48854-0177			
<b>Well No:</b>	04-2 D4-2	<b>Lease Name:</b>	Shafer	
<b>Footage Location:</b>		750 ft. from the	South	Line
		700 ft. from the	East	Line
<b>Drilling Contractor:</b>	<b>McPherson Drilling LLC</b>			
<b>Spud date:</b>	10/30/02	<b>Geologist:</b>	Bill Barks	
<b>Date Completed:</b>	11/1/02	<b>Total Depth:</b>	1364'	

<b>S. 2 T. 31s R. 15e</b>
<b>Loc:</b> NW SE SE
<b>County:</b> MG

<b>Gas Tests:</b>		
783'	0.00	MCF
893'	0.00	MCF
913'	0.00	MCF
944'	3.92	MCF
1004'	3.92	MCF
1084'	4.42	MCF
1104'	4.42	MCF
1224'	34.0	MCF
1284'	34.0	MCF
<b>RECEIVED</b> KANSAS CORPORATION COMMISSION  <b>APR 10 2003</b>  CONSERVATION DIVISION WICHITA, KS		

<b>Casing Record</b>		
	Surface	Production
<b>Size Hole:</b>	11"	6 3/4"
<b>Size Casing:</b>	8 5/8"	
<b>Weight:</b>	32#	
<b>Setting Depth:</b>	20'	
<b>Type Cement:</b>	Portland	
<b>Sacks:</b>	4	

<b>Rig Time:</b>
2 hrs. - Gas Test
started injecting water @ .480'

<b>Well Log</b>								
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
shale	0	6	shale	791	819			
lime	6	8	sand/shale	819	823	odor		
shale	8	43	oil sand	823	854			
lime	43	61	1st oswego	854	881			
shale	61	84	summit	881	888			
lime	84	96	2nd oswego	888	900			
shale	96	197	mulky	900	908			
lime	197	227	3rd oswego	908	915			
shale	227	237	shale	915	938			
coal	237	238	coal	938	941			
shale	238	291	shale	941	994			
lime	291	317	coal	994	995			
sand/shale	317	337	shale	995	1080			
lime	337	384	coal	1080	1083			
sand	384	425	no sho sand/shale	1083	1089	odor		
sand/shale	425	454	oil sand	1089	1094			
lime	454	483	sand/shale	1094	1152			
shale	483	540	oil sand	1152	1163			
lime	540	636	sand/shale	1163	1212			
sand/shale	636	689	coal	1212	1215			
sand	689	759	no sho sand/shale	1215	1224			
shale	759	773	shale	1224	1276			
pink lime	773	791	Mississippi	1276	1364	TD		

put oil on the pit when unloading  
the morn of 11-1-02

APR 10 2005

CONSOLIDATED OIL WELL SERVICES, INC.  
211 W. 14TH STREET, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

CONSERVATION DIVISION  
WICHITA, KS  
TREATMENT REPORT

TICKET NUMBER 23065

LOCATION Chanute, KS

FOREMAN Jim Green

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
11-1-02	2368	Shafter #D4-2		2	31S	15E	MG	
CHARGE TO <u>DART</u>				OWNER				
MAILING ADDRESS <u>P.O. Box 100</u>				OPERATOR <u>Bill Burks</u>				
CITY <u>Sycamore,</u>				CONTRACTOR <u>McPherson Drilling</u>				
STATE <u>Ks.</u>		ZIP CODE <u>67363</u>		DISTANCE TO LOCATION <u>35</u>				
TIME ARRIVED ON LOCATION <u>4:00 PM</u>				TIME LEFT LOCATION <u>6:00 PM</u>				

WELL DATA	
HOLE SIZE <u>2 3/4"</u>	
TOTAL DEPTH <u>1364</u>	
CASING SIZE <u>4 1/2"</u>	
CASING DEPTH <u>1358 TMS 1350</u>	
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB Cement One Well

389 PU 56, 128 PT OP, 230 BT 38, 414 T/RT-33 LB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Establish circulation, mix and pump 250 gal with 1-bbl's. Followed with 16 bbl's Dye Marker with mud flush mix and pump 2350 cu ft mix cement with 5% Silsenite, 5% Salt, 2% Gel, 1/4" F10 Seal, 110 cu lead cement at 12.8" PPG. 125 cu Tail Cement at 14.5" PPG. Flush pump clear of cement. Pump 1/2" rubber plug to total depth of casing circulating 6 bbl's return cement. Pressure up to 800\*PT hold good set float check with wire line set at 1350'

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	

AUTHORIZATION TO PROCEED W. Green TITLE \_\_\_\_\_ DATE \_\_\_\_\_

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.