

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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**

4/27/13

OPERATOR: License # 33074  
Name: Dart Cherokee Basin Operating Co LLC  
Address 1: P O Box 177  
Address 2: \_\_\_\_\_  
City: Mason State: MI Zip: 48854 + 0177  
Contact Person: Beth Oswald  
Phone: (517) 244-8716  
CONTRACTOR: License # 5675  
Name: McPherson Drilling  
Wellsite Geologist: Bill Barks  
Purchaser: Oneok

**KCC**  
**APR 27 2011**  
**CONFIDENTIAL**

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: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 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 #: \_\_\_\_\_  
12-29-10    1-4-11    3-30-11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 125-32021-00-00  
Spot Description: \_\_\_\_\_  
W2 NW NW Sec. 2 Twp. 33 S. R. 14  East  West  
4,620 Feet from  North /  South Line of Section  
4,680 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Montgomery  
Lease Name: Sullivan et al Well #: A1-2  
Field Name: Cherokee Basin Coal Gas Area  
Producing Formation: Penn Coals  
Elevation: Ground: 893' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1537' Plug Back Total Depth: 1528'  
Amount of Surface Pipe Set and Cemented at: 41 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
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: Beth Oswald  
Title: Engr Support Supvr Date: 4-27-11

**RECEIVED**  
**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
Date: 4/27/11 - 4/27/13  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NJ Date: 5-11-11  
**KCC WICHITA**

Operator Name: Dart Cherokee Basin Operating Co LLC Lease Name: Sullivan et al Well #: A1-2  
 Sec. 2 Twp. 33 S. R. 14  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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>High Resolution Compensated Density Neutron &amp; Dual Induction</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum <b>See Attached</b>
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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#	41'	Class A	8	
Prod	6 3/4"	4 1/2"	10.5#	1528'	Thick Set	170	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
6	1412' - 1415.5'	150 gal 15% HCl, 1470# sd, 240 BBL fl	

<b>TUBING RECORD:</b>		Size: <b>2 3/8"</b>	Set At: <b>1491'</b>	Packer At: <b>NA</b>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <b>4-14-11</b>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <b>0</b>	Gas Mcf <b>0</b>	Water Bbls. <b>12</b>	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC



**ENTERED**

TICKET NUMBER 30117

LOCATION Eureka

FOREMAN Troy Strickler

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

**KCC**

APR 27 2011

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
1-6-10	2368	Sullivan etal A1-2				CONFIDENTIAL																
CUSTOMER <u>Dart Cherokee Basin</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>John S.</td> <td></td> <td></td> </tr> <tr> <td>543</td> <td>Dave</td> <td></td> <td></td> </tr> <tr> <td>515</td> <td>Allen B.</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	John S.			543	Dave			515	Allen B.		
TRUCK #	DRIVER	TRUCK #					DRIVER															
445	John S.																					
543	Dave																					
515	Allen B.																					
MAILING ADDRESS <u>211 W. Myrtle</u>																						
CITY <u>Independence</u>	STATE <u>Ks</u>	ZIP CODE																				

Safety Meeting  
J  
B  
AB  
FS.

JOB TYPE 4/6 G HOLE SIZE 6 3/4" HOLE DEPTH 1537' CASING SIZE & WEIGHT 4 1/2"  
 CASING DEPTH 1527' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 12.8-13.2\* SLURRY VOL 548bl WATER gal/sk 8" CEMENT LEFT In CASING 0'  
 DISPLACEMENT 24.258bl DISPLACEMENT PSI 600 MIX PSI 1100 @ gel RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break circulation w/ 358bl water. Pump sk Gel-Flur w/ Hulls. Pump 58bl water spacer. Mixed 90sk 60/40 for-mix Cement w/ 8Z Gel, + 3/4" Phenaxcel @ 12.8\*/gal. Tail in w/ 80sk Thick Set Cement w/ 8" Kol-Seal @ 13.2\*/gal. Washout Pump + liner. Release Plug. Displace w/ 24.258bl water. Final Pumping Pressure 600 PSI. Pump Fly to 1100 PSI. Wait 5 min. Release Pressure. Float Held. Good Cement to surface = 10.8bl slury to pit.

Job Complete

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1131	90sk	60/40 for-mix	11.35	1021.50
11186	620#	8Z Gel	.20	124.00
1107A	68#	3/4" Phenaxcel 1sk	1.15	78.20
1126A	80sk	Thick Set Cement	17.00	1360.00
1110A	640	8" Kol-Seal 1sk	.42	268.80
11186	500#	Gel-Flur	.20	100.00
1105	50#	Hulls	.39	19.50
5407A	8.27 Ton	Ton-mileage	1.20	396.96
4404	1	4 1/2" Top Rubber Fly	45.00	45.00
		Thank You	sub Total	4484.96
			6.52 SALES TAX	190.07
			ESTIMATED TOTAL	4675.03

Rev'n 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

839115

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Rig Number: 2	S. 2	T. 33	R. 14E
API No. 15- 125-32021	County: MG		
Elev. 893	Location: W/2 NW NW		

Gas Tests:
<p><b>KCC</b>  <b>APR 27 2011</b>  <b>CONFIDENTIAL</b></p>
Comments: Start injecting @ 250

Operator: DART CHEROKEE BASIN OPERATING CO LLC
Address: 211 W MYRTLE INDEPENDENCE, KS 67301
Well No: A1-2      Lease SULLIVAN
Footage Location: 4620 ft. from the SOUTH Line 4680 ft. from the EAST Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 12/29/2010      Geologist:
Date Completed: 1/4/2011      Total Depth: 1304

Casing Record			Rig Time:	
Size Hole:	Surface 11"	Production 6 3/4"	NC BOOSTER	
Size Casing:	8 5/8"		NC GAS TEST	
Weight:	23 #			
Setting Depth:	41	MCPHERSON	GEOLOGIST: Dan Riedle	
Type Cement:	Portland		DRILLER: Mac McPherson	
Sacks:	8	MCPHERSON		

**Well Log**

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
soil/clay	0	8	lime	770	773	shale	1438	1457
lime	8	15	shale	773	905	Miss lime	1457	1537
shale	15	88	lime	905	926			TD
lime	88	95	black shale	926	928			
shale	95	239	shale	928	995			
lime	239	241	oswego lime	995	1026			
black shale	241	243	summit	1026	1038			
sand shale(damp)	243	257	lime	1038	1059			
shale/sand	257	337	mulkey	1059	1067			
coal	337	339	lime	1067	1075			
shale	339	497	shale	1075	1084			
lime	497	508	coal	1084	1085			
black shale	508	510	shale	1085	1103			
sandy lime	510	517	coal	1103	1104			
sand(no sho)	517	524	shale	1104	1140			
sandy shale	524	528	coal	1140	1141			
shale	528	639	shale	1141	1164			
black shale	639	642	coal	1164	1166			
shale	642	696	shale	1166	1295			
lime	696	701	lime	1295	1297			
shale	701	737	shale	1297	1412			
sandy shale	737	753	coal	1412	1415			
lime	753	766	shale	1415	1437			
black shale	766	770	coal	1437	1438			

**RECEIVED**  
**APR 28 2011**  
**KCC WICHITA**