

**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

**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

API No. 15 - 125-30145-00-00  
 County: Montgomery  
SE NW SW NW Sec. 36 Twp. 31 S. R. 15  East  West  
3411' FSL feet from S / N (circle one) Line of Section  
4730' FEL feet from E / W (circle one) Line of Section

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Goodspeed Well #: B1-36  
 Field Name: Jefferson-Sycamore  
 Producing Formation: Penn Coals  
 Elevation: Ground: 815' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1164' Plug Back Total Depth: 1005'  
 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 1159  
 feet depth to 0 w/ 155 sx cmt.

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>9/13/02</u>	<u>9/18/02</u>	<u>9/27/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content NA ppm Fluid volume 95 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: Lentz 1 License No.: 33074  
 Quarter SE Sec. 18 Twp. 31 S. R. 16  East  West  
 County: Montgomery Docket No.: D-25956

**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: \_\_\_\_\_  
 Notary Public, Ingham County, MI  
 My Comm. Expires Mar. 3, 2007

**KCC Office Use ONLY**

DAV Letter of Confidentiality Attached DAV  
 If Denied, Yes  Date: 04-23-03 DAV  
YES Wireline Log Received  
NO Geologist Report Received DRILL LOG ✓  
 \_\_\_\_\_ UIC Distribution

Operator Name: Dart Cherokee Basin Operating Co., LLC Lease Name: Goodspeed Well #: B1-36  
 Sec. 36 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 Temperature	Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED <div style="text-align: center;"> <p><b>RECEIVED</b>                      KANSAS CORPORATION COMMISSION</p> <p><b>APR 10 2003</b></p> <p>CONSERVATION DIVISION                      WICHITA, KS</p> </div>
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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	1030'	50/50 Poz	155	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
4	840'-843' & 751' - 758'	500 gal 15% ac, 3000# sd & 142 BBL fl	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	879'	NA	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
11/20/02		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	6	20	NA	NA

Disposition of Gas  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- 125-301450000</b>			
Operator:		Dart Cherokee Basin Operating Co. LLC	
Address:		P.O. Box 177 Mason, MI 48854-0177	
Well No:	B1-36	Lease Name:	Y. Smith Goodspeed
Footage Location:		3411 ft. from the	South Line
		4730 ft. from the	East Line
Drilling Contractor:		<b>McPherson Drilling LLC</b>	
Spud date:	9/13/02	Geologist:	Gary Laswell
Date Completed:	9/17/02	Total Depth:	1164'

<b>S. 36 T. 31s R. 15e</b>
Loc:
County: <b>Montgomery</b>

<b>Gas Tests:</b>
<p><b>RECEIVED</b> KANSAS CORPORATION COMMISSION</p> <p><b>APR 10 2003</b></p> <p>CONSERVATION DIVISION WICHITA, KS</p>

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

<b>Rig Time:</b>

Well Log								
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
soil	0	4	coal	499	500			
sandstone	4	16	sand/shale	500	507			
shale	16	18	sand	507	538 odor			
sand	18	41	sand/shale	538	597			
shale	41	54	pink lime	597	614			
coal	54	55	shale	614	622			
shale/sand	55	63	sand/shale	622	688			
shale	63	103	1st oswego	688	718 odor			
lime	103	106	summit	718	722			
shale	106	114	2nd oswego	722	749			
lime	114	117	mulky	749	757			
sand	117	121	3rd oswego	757	764			
lime	121	130	shale	764	777			
shale	130	159	coal	777	779			
lime	159	198	shale	779	787			
shale	198	205	sand/shale	787	841			
sand/shale	205	287	coal	841	844			
lime	287	308	sand/shale	844	918			
shale	308	419	coal	918	920			
lime	419	440	sand	920	1082 no sho			
shale	440	454	shale	1082	1142			
lime	454	466	Mississippi	1142	1164 TD			
shale	466	499						

APR 10 2003

CONSOLIDATED INDUSTRIAL SERVICES, INC.  
211 W. 14TH STREET, CHANUTE, KS 66720  
316-431-9210 OR 800-467-8676

CONSERVATION DIVISION  
WICHITA, KS

TICKET NUMBER 14535

LOCATION Lawrence

TREATMENT REPORT

FOREMAN Tim Greck

DATE	CUSTOMER ACCT#	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
9-18-02	2368	Y15mch BI-36		36	37	15	M4	
CHARGE TO				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

WELL DATA

HOLE SIZE	6 3/4"
TOTAL DEPTH	1159'
CASING SIZE	4 1/2"
CASING DEPTH	1130'
CASING WEIGHT	1005'
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		

INSTRUCTIONS PRIOR TO JOB: Cement one well  
389 PU T6, 128 RT DP, 122 BT DL  
715' T-69 4P

DESCRIPTION OF JOB EVENTS: Establish circulation, mix and pump 2 cu yds of flush  
lite. Mix and pump 11 BBL's Dye marker with mud flush. Mix and  
pump 155 cu yds of cement with 57 gal 5# lbs Gilsenore per cu yd  
270 gal 14" K10 seal. Lead cement at 13.8" PPG (1005) and Tail Cement  
at 14.5" PPG. Yield at 1.3790. Flush pump clear of cement. Pump 42"  
rubber plug to total depth of casing circulating cement to surface. 5 BBL's  
cement returned. Pressure up to 800 PSI held good for block check with casing line  
plug set at 1065'.

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	200	psi
FINAL DISPLACEMENT		psi
ANNULUS		psi
MAXIMUM	200	psi
MINIMUM		psi
AVERAGE	500	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	
HYD HHP = RATE X PRESSURE X 40.8	

AUTHORIZATION TO PROCEED: [Signature] TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_