ONFIDENTIAL

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

ASE

Operator: License #_33074	1 .	API No. 15 - 125-31357-00-00
Name: Dart Cherokee Basin Operatir		
Address: P O Box 177		County: Montgomery
City/State/Zip: Mason MI 48854-0177	I	
Purchaser: Oneok		pet from S / N (circle one) Line of Section
		teet from E / W (circle one) Line of Section
Operator Contact Person: Beth Oswald		Footages Calculated from Nearest Outside Section Corner:
Phone: (517) 244-8716		(circle one) NE SE NW SW
Contractor: Name: McPherson		Lease Name: D&M Newton Well #: A4-20 Field Name: Cherokee Basin Coal Gas Area
License: 5675	((V()\) (C) (-)	
Wellsite Geologist: Bill Barks		Producing Formation: Penn Coals
Designate Type of Completion:	I	Elevation: Ground: 851' Kelly Bushing:
New Well Re-Entry		Total Depth: 1540' Plug Back Total Depth: 1532'
Oil SWD SIOW	Temp. Abd.	Amount of Surface Pipe Set and Cemented at 43 Feet
GasENHR SIGW		Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Ex	· ·	f yes, show depth set Feet
If Workover/Re-entry: Old Well Info as follow	rs:	f Alternate II completion, cement circulated from
Operator:	fe	eet depth to w/sx cmt.
Well Name:		Drilling Fluid Management Plan ALT 11/12-71/-79
Original Comp. Date: Origina		Drilling Fluid Management Plan HH II NJ 3-34 79 Data must be collected from the Reserve Pit)
Deepening Re-perf	Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 290 bbls
Plug Back	Plug Back Total Depth	Dewatering method used_Empty w/ vac trk and air dry
Commingled Docket No)	ocation of fluid disposal if hauled offsite:
Dual Completion Docket No)	
Other (SWD or Enhr.?) Docket No)	Operator Name: Dart Cherokee Basin Operating Co., LLC
6-12-07 6-14-07	7-17-07	ease Name: Porter et al D1-9 SWD License No.: 33074
Spud Date or Date Reached TD Recompletion Date	Completion Date or	Quarter SW Sec. 9 Twp. 30 S. R. 15 V East West
Nosompletion Bate	Recompletion Date C	county: Wilson Docket No.: D-28773
Kansas 67202, within 120 days of the sp Information of side two of this form will be h 107 for confidentiality in excess of 12 month	ud date, recompletion, workover or leld confidential for a period of 12 mo s). One copy of all wireline logs and o	Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In this if requested in writing and submitted with the form (see rule 82-3-geologist well report shall be attached with this form. ALL CEMENTING amit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and re- herein are complete and cornect to the best of	gulations promulgated to regulate the	e oil and gas industry have been fully complied with and the statements
Signature:	epour	KCC Office Use ONLY
Title: Engr Clerk	_bate:	Letter of Confidentiality Attached
Subscribed and sworn to before me this	_day of October	/ If Denied, Yes Date:
	uay ur <u>===================================</u>	Wireline Log Received
20 07	10	Geologist Report Received RECEIVED
Notary Public: 1 Nandy K. W.	ucock	UIC Distribution KANSAS CORPORATION COMMISSION
Date Commission Expires 3-5	2011	OCT 0 2 2007
Date Collingsion Expires.	BRANDY R. ALLCOCK Notary Public - Mich	
# / (Jackson County	igan (

Operator Name: Da			Co., LLC				1	Well #: A4	-20	
iec <u>20</u> Twp3	31 s. R. 14	✓ East	West	County	_{/:} Mon	tgomery				
ested, time tool oper emperature, fluid red	how important tops a n and closed, flowing covery, and flow rates s surveyed. Attach f	g and shut-in p s if gas to surf	oressures, v face test, al	whether sh long with fi	nut-in pre	ssure reached	static level, hydro:	static pressur	es, botton	n hole
Orill Stem Tests Take (Attach Additional		Yes	✓ No		L	og Formati	on (Top), Depth a	nd Datum	√ S	ample
Samples Sent to Geo	ological Survey	Yes	✓ No		Nam	е		Тор	D	atum
Cores Taken		Yes	√ No		See	Attached				
Electric Log Run (Submit Copy)		✓ Yes	No							
ist All E. Logs Run:										
High Resolution Dual Induction	Compensated De	ensity Neuti	ron &							
		Report all	CASING F		Ne Irface, inte	w Used	ion, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In 0		Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		nd Percent ditives
Sui			8 5/8"		24#	43'	Class A	30	See At	
Pro	d 6 3/4"		4 1/2"		9.5#	1534'	Thick Set	160	See At	tached
										
Purpose	2 "	AC	DDITIONAL	CEMENTIN	NG / SQL	EEZE RECORD	···			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of C	ement	#Sacks	Used	·	Type and Pe	rcent Additives		
Shots Per Foot	0	ON RECORD - ootage of Each					ture, Shot, Cement to		d	Depth
6				1356'	- 1358'	10	0 gal 15% HCl, 4	165# sd, 140	BBL fl	
6				1136'	- 1138'	10	0 gal 15% HCl, 3	520# sd, 110	BBL fl	
6				1032.5' -	1034.5'	10	0 gal 15% HCl, 6	650# sd, 135	BBL fl	
6				899.5' -	- 900.5′	10	0 gal 15% HCl, 3	335# sd, 115	BBL fl	
TUBING RECORD	Size 2 3/8"	Set At 1514'		Packer At	t	Liner Run	Yes ✓ No			
	Production, SWD or En 7-21-07	hr. Proc	ducing Metho	od	Flowing	√ Pumpin	g Gas Lift	Othe	r (Explain)	
Estimated Production Per 24 Hours	Oil E	Bbls.	Gas M	Acf	Wate	36	ols. Ga	s-Oil Ratio	tra-t	Gravity NA
Disposition of Gas	METHOD OF CO					Production Interv	_		RECE	IVED
Vented Sold (If vented, Su	Used on Lease mit ACO-18.)	_	Open Hole Other <i>(Specif</i> y	Perf.	Di	ually Comp.	Commingled		CORPORAT	COMMI

T.31 R.14e 2 **S.20** Rig Number: MG County: 15- 125-31357-0000 API No. Elev. 851 Location: SW-NE-NE

Operator:

Dart Cherokee Basin Operating Co. LLC

Address:

211 W Myrtle

Independence, KS 67301

Well No:

A4-20

Lease Name:

D & M Newton

Footage Location:

4190

ft. from the

950

ft. from the

South Line

Total Depth:

Drilling Contractor:

McPherson Drilling LLC

East Line

Spud date: Date Completed: 6/12/2007 6/14/2007

Geologist:

1540

Rig Time: Casing Record Surface Production 11" 6 3/4" Size Hole: 8 5/8" Size Casing: 20# Weight: Setting Depth: 44' McPherson Type Cement: Consolidated Driller: Harold Groth Consolidated Sacks:

·		
COMFIDENTIAL		
Comments: Start injecting @	514	•

Gas Tests:

	,			Well Log				
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
Soil	0	12	Lime	603	656	Shale	1091	1114
Creek Gravel	12	15	Shale	656	678	Coal	1114	1115
Shale	15	42	Lime	678	681	Shale	1115	1137
Lime	42	52	Shale	681	701	Coal	1137	1139
Shale	52	74	Sand	701	730	Shale	1139	1348
Lime	74	104	Shale	730	764	Coal	1348	1349
Shale	104	106	Lime	764	774	Shale	1349	1400
Lime	106 .	122	Sandy Shale	774	790	Mississippi	1400	1540
Shale	122	330	Shale	790	834			
Lime	330	332	Sand	834	837			
Shale	332	409	Shale	837	902			
Lime	409	410	Coal	902	903			
Shale	410	412	Shale	903	905	į.		
Lime	412	413	Pink	905	932			
Shale	413	420	Shale	932	987			
Lime	420	458	Oswego	987	1010			
Shale	458	470	Summit	1010	1021			
_ime	470	482	Lime	1021	1030			
Shale	482	484	Mulky	1030	1038	·		
Sand	484	513	Lime	1038	1043			
_ime	513	520	Shale	1043	1069		RECEI	
Sand	520	533	Coal	1069	1070	KAI	VSAS CORPORATION	ON COMMIC
Sandy Shale	533	550	Shale	1070	1090			
Shale	550	603	Coal	1090	1091		OCT 0 2	
							CONSERVATION WICHITA	5

CONSOLIDATED OIL WELL SERVICES IC. P.O. BOX 884, CHANUTE, KS 66720 620:431-9210 OR 800-467-8676

KET NUMBER_	1	70	85
LOCATION EDRES	d		
FOREMAN LICH	LEGTOR	0	

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	CUSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-12-07	2368	PENTON R+O A420				me
CUSTOMER						1770
DAG		RASIN	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	:88		463	Kyle		
211	1. Myrs	le	502	Shannan		
CITY		STATE ZIP CODE	436	3.0		
Indi	ependence	RS 62301				
JOB TYPE 500			E DEPTH 'ル	CASING SIZE & W	-12512	
CASING DEPTH		ORILL PIPE TUB			14	
SLURRY WEIGH	, was	LURRY VOL WAT			OTHER	
DISPLACEMENT	4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			CEMENT LEFT in C	ASING 10	
	1.50.035		PSI	RATE		
		is his in to 8	13/8 COSING	Bread Circula	hor w/ f	esh
	1) ixed 30		1 11/ 290 cg	ect, 290 gel	@ 15 # 1	More
Displace	1.12 Bist	fresk is ate skill o	asing inular	ed coment ro	MARTA S	4.52.25
عيين بين بين المساور والمساور		Job complete Ray	mes.			
						KCr-
					$ v_{Cr}$	// 2=
						<u> </u>
		THANK TO			~ YNF	DENTIAL

CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015		PUMP CHARGE	650.00	650 00
5406	4	MILEAGE	7.30	132 60
38.40.2				7.32 66
11045	30- sx:	CUSS A consis	12.20	361 4
1102	55 27	220 coci	67	306.00
11184	55 1	22 -		36.85
			+4-2/2	8.25
5400	KOMPALINE WELL	ton Allege Boll the		
				285.00
5020	243	80 BS VAS TON		
1/2 3	3000	28 P. S.	90.00	136.00
		Col solu	12.26 200	38.72
24/1				
			SUBJETE COR	CEIVED
		532	SAYLESMAXUM	ORATION COMMISS

AUTHORIZATION TITLE CONSERVATION DIVISION WICHITE ICO

CONSOLIDATED OIL WELL SERVICES, ILLC , P.O. BOX 884, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

17489 TICKET NUMBER_ LOCATION EUROP FOREMAN BOX LOSS

TREATMENT REPORT & FIELD TICKET

6-14-0"	oue h	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANG	E COUR
CUSTOMER	New	Hon 0+M A4-20	The second secon	ang katang and an Araba and Araba an		
MAILING ADD	RESS Cheroses 1	35.5V	T		表演	-
1		603	TRUCK #	DRIVER	TRUCK	# DRIV
CITY	211 W. MyC+le		76'3	Kyle		
_	STATE	ZIP CODE	502	Shaner		
<u></u>	ndependence K	5 67301				
JOB TYPE_	HOLES	1911				
CASING DEPT				CASING SIZE 8	WEIGHT 4	9.5
SLURRY WEIG	HT /3, ATT SI USDI	TOBING_			OTHER	
DISPLACEMEN	1 24. 56 DISPLACE	WAIER	gal/sk	CEMENT LEFT	in CASING	oʻ
REMARKS: 5	afely meeting.		<u>/</u> 300	DATE		
1 - 1	worker Puns 4	13 4 to 4/2" C	asing Brown	circulati	00 41/	
water.	spacer 15 BW		w/ hulls 10	Ob) son	woler	20 01
Kol-son	1 Paper @ 1324	are mater win	d 160 sks		+ cerest	20 401
Displace	8 W/248 Kh	Cont	up 4 los	shut do	A (6 L	my Agent
to 130	744 00/	fresh water. Final	I pump pressur		23	plus
to sur	Seco - O O	mins release pre	sure, flat h	ld. Cap.	PSZ. Aug	r plus
	face = 8 Bb/ 3/	very to pit Tab o	melete. Rig d		cament	Milword
				er.		
		"Thank You"				
ACCOUNT	01144					
CODE	QUANTITY or UNITS	BECOM				
		DESCRIPTION .	of SERVICES nno			
5401	/	PLIMP CHARGE	of SERVICES or PRODU	ICT CO	UNIT PRICE	TOTAL
5406	1		of SERVICES or PRODU		1 630	
	40	PUMP CHARGE MILEAGE	of SERVICES or PRODU	1 2007	810.00	PY0.00
		MILEAGE		0 1 2007	1 630	
5406	160 SKS	MILEAGE Chicaget cement			3.30	182.00
5406 112hA		MILEAGE		0 1 2007	3.50 15.45	PY0.00
112hA 1110A	160 SKS 1290 *	Hicket cement Kal-sau 8 M/su		0 1 2007	3.30	182.00
1126A 1118A	160 SKS 1290 *	Hicket cement Kal-sau 8 M/su		0 1 2007	3.50 15.45	182.00
1126A 1118A 1118A 1118S	160 SKS 1290 ** 200 ** 50 **	MILEAGE Chicaget cement		0 1 2007	3.50 15.45	240.00 132.00 20101.4
1126A 1118A	160 SKS 1290 *	MILEAGE Chicket cement Kal-san 8# 18/34 gel-flush hulls	OCT COMP	0 1 2007	2.50 2.50 15.40	2000 182.00 2000 2000 2000 2000 2000 2000
1124A 1110A 1118A 110S	160 SKS 1290 ** 200 ** 50 **	MILEAGE Chicaget cement Kal-san) 8 m/sa	OCT COMP	0 1 2007	2.50 2.50 15.45 .38	2000 182.00 2000 2000 2000 2000 18.00
1126A 1110A 1118A 110S 1407	160 SKS 1290 ** 200 ** 50 **	MILEAGE Chicket cement Kal-sm) 8 m/sk gel-flush bulls Ean amikage bulk	OCT COME	0 1 2007	2.50 2.50 15.40	2000 182.00 2000 2000 2000 2000 2000 2000
1124A 1110A 1118A 110S	160 SKS 1290 ** 200 ** \$0.8	MILEAGE Chicket cement Kal-san) 8 m/sk gel-flush bulls con-mileage bulk 442 top orbor o	OCT COME	0 1 2007	2.50 2.50 15.45 .38	20144. 20144. 20144. 2014. 2014. 2014. 2014.
1126A 1110A 1118A 110S 1407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME	0 1 2007	2.50 2.50 15.45 38 -36 -2/4 -40.68	2000 182.00 2000 2000 2000 2000 18.00
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** \$0.8	MILEAGE Chicket cement Kal-san) 8 m/sk gel-flush bulls con-mileage bulk 442 top orbor o	OCT COME	0 1 2007	2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	20 40 /8 40 /8 40 /8 40
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME	0 1 2007	2.50 2.50 15.45 38 -36 -2/4 -40.68	20144. 20144. 20144. 2014. 2014. 2014. 2014.
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME	0 1 2007	2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	20 40 /8 40 /8 40 /8 40
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME	0 1 2007	2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	20 40 18 40 18 40 18 40
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME	0 1 2007	2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	20 40 /8 40 /8 40 /8 40
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME		2.50 2.50 2.50 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	2000 182.00 2000 2000 18.00 280.00
1124A 1110A 1118A 110S 7407	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME		840.40 3.50 15.45 38 24.45 24.45	20 40 /8 40 /8 40 /8 40
1126A 1110A 1118A 110S 1407 1404 1238	160 SKS 1290 ** 200 ** 80 ** 8.8	MILEAGE Licuset cement Kal-san) 8 m/sn gel-flush hulls ton amileage bulk 41/2" top rabbe p	OCT COME		3.50 15.45 38 24.45 24.45 SALES FAY	2000 182.00 2000 2000 18.00 288.00