## CONFIDENTIAL

## Kansas Corporation Commission Oil & Gas Conservation Division

## WELL COMPLETION FORM

**WELL HISTORY - DESCRIPTION OF WELL & LEASE** 

OP/O	
	Form ACO-1
	September 1999
11/1	Form Must Be Typed
SE	2/19/10

•	•
Operator: License # 33074	API No. 15 - 125-31453-00-00
Name: Dart Cherokee Basin Operating Co., LLC	County: Montgomery
Name: Dart Cherokee Basin Operating Co., LEC  Address: P O Box 177  City/State/Zip: Mason MI 48854-0177  Purchaser: Oneok  Operator Contact Person: Beth Oswald  Phone: (517_) 244-8716  Contractor: Name: McPherson	
City/State/Zip: Mason MI 48854-0177	660' FSL feet from S / N (circle one) Line of Section
Purchaser: Oneok	3300' FEL feet 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: K&R Tibbets Well #: D2-20
License: 5675	Field Name: Cherokee Basin Coal Gas Area
Wellsite Geologist: Bill Barks	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground: 868' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1587' Plug Back Total Depth: 1580'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 43 Feet
✓ Gas SIGW 16IIIp. Abd.	Multiple Stage Cementing Collar Used?
Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
	If Alternate II completion, cement circulated from
f Workover/Re-entry: Old Well Info as follows:	feet depth to sx cmt.
Operator:	
Well Name:	Drilling Fluid Management Plan 44 II NS 6-2-09 (Data must be collected from the Reserve Fit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 40 bbls
Plug Back Total Depth	Dewatering method used_Empty w/ vac trk and air dry
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name: Dart Cherokee Basin Operating Co., LLC
Other (SWD or Enhr.?) Docket No	Lease Name: Reitz B4-35 SWD License No.: 33074
10-22-07 10-24-07 11-28-07	
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter_NE_Sec. 35 Twp. 34 S. R. 14 ✓ East West County: Montgomery Docket No.: D-28391
Kansas 67202, within 120 days of the spud date, recompletion, workd Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged well requirements of the statutes, rules and regulations promulgated to regulations.	with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING ells. Submit CP-111 form with all temporarily abandoned wells.
nerein are complete and correct to the best of my knowledge.	
Signature:	KCC Office Use ONLY
Title: Engr Clerk Date: 2-19-08	Letter of Confidentiality Attached
10	
Subscribed and sworn to before me thisday of	TU RECEIVED
20 <u>08</u>	Wireline Log Received KANSAS CORPORATION COMMIS  Geologist Report Received
Notary Public: Brandy R. allcurk	UIC Distribution FEB 2 0 2008
icting in Ironam	
Date Commission Expires:  Notary Public - Mi	ichigan Manual M
Tookson Cou	inty a
My Commission E: March 05, 2011	

Operator Name: Dart Sec. 20 Twp. 3			ng Co., LLC West		Name: K			Well #: D2-	20	
NSTRUCTIONS: She ested, time tool open emperature, fluid reco Electric Wireline Logs	and closed, flowing overy, and flow rates	and shut-ir if gas to su	n pressures, v urface test, al	whether shong with fi	nut-in pres	sure reached s	tatic level, hydros	tatic pressure	es, bottom	hole
Orill Stem Tests Taken (Attach Additional S		☐ Yes	√ No		Lo	g Formatio	n (Top), Depth an	d Datum	<b>√</b> Sa	mple
Samples Sent to Geological Survey			]Yes ✔ No			Name		Тор		ıtum
ores Taken	<b>.</b>	Yes			See A	Attached				
lectric Log Run (Submit Copy)		✓ Yes						CONFIDENTIAL FEB 1 9 2008 KCC		
ist All E. Logs Run:								FEB	19 20	78
High Resolution ( Dual Induction	Compensated De	ensity Neu	utron &						KCC	
		Report a	CASING F		Nev urface, inter	v Used mediate, production	on, etc.			
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used		d Percent litives
Sur	f 11"		8 5/8"		24#	43'	Class A	8		
Proc	6 3/4"		4 1/2"		9.5#	1581'	Thick Set	165	See Att	ached
<del></del>			ADDITIONAL	CEMENTI	NG / SQUI	EEZE REÇORD				
Purpose: Perforate Protect Casing	Depth Top Bottom		Type of Cement #S			Type and Percent Additives				
Plug Back TD Plug Off Zone	Service Company	e e e e e e e e e e e e e e e e e e e		М				· · ·		
Shots Per Foot			- Bridge Plugs ch Interval Perf			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)  Depth				
6	1			1421	' - 1425'	150	gal 15% HCl, 2	415# sd, 100	BBL fl	
6				1137.5	' - 1139'		150 gal 15% HCI	, 495# sd, 85	BBLfl	
6					' - 1098'		0 gal 15% HCl, 5			
6	<del> </del>			1051.5' -	1053.5'	200	) gal 15% HCl, 4	025# sd, 140	BBL fl	
TUBING RECORD	Size 2 3/8"	Set At 1553'		Packer A	i	Liner Run	Yes ✓ No			
Date of First, Resumed	Production, SWD or En	hr. P	roducing Metho	od	Flowing	✓ Pumping	g Gas Lift	Othe	er (Explain)	
Estimated Production Per 24 Hours		Bbis.	Gas I	Mcf	Water	Вь	ls. Ga	s-Oil Ratio		Gravity NA
Disposition of Gas	METHOD OF C					Production Interv	_		RECEIN	VED
Vented ✓ Sold (If vented, Sur	Used on Lease mit ACO-18.)		Open Hole Other (Specif	Perf. (y)	. Du	ually Comp.	Commingled		EB 20	

CONSERVATION DIVISION WICHITA, KS

Rig Number: 2 S. 20 T. 33 R. 14E API No. 15- 125-31453 County: MG Elev. 868 Location: C SE SW

Dart Cherokee Basin Operating Co. LLC Operator:

Address: 211 W Myrtle

Type Cement:

Sacks:

Independence, KS 67301 -

Well No: D2-20

Lease Name: **K&RTIBBETS** 

Footage Location: 660

3300 ft. from the

ft. from the South Line East Line

NICK HILYARD

McPherson Drilling LLC

Drilling Contractor: Spud date: 10/22/2007

10/24/2007

**Portland** 

8

Geologist: 1587

Driller:

Date Completed: Total Depth:

McPherson

Casing Record			Rig Time:		
	Surface	Production			
Size Hole:	11"	6 3/4"			
Size Casing:	8 5/8"			,	
Weight:	20#	1.			
Setting Depth:	43	McPherson			,

CONFIDENTIAL FEB 19 2008 **KCC** Comments: Start injecting @ 275

Gas Tests:

				Well Log				
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
soil	0	3	lime	1029	1045		-	-
clay	3	5	mulky	1045	1055			
sand	5	33	lime	1055	1064			
shale	33	91	shale	1064	1066			
lime	91	. 1.10	coal	1066	1067		•	
shale	· 110	223	shale	1067	1068	-		
lime	223	299	lime	1068	1070			
shale	299	341	shale	1070	1089		¥	
lime	341	353	coal	1089	1090			
shale	353	369	shale	1090	1138			
lime	369	388	coal	1138	1139			
shale	388	493	shale	1139	1184			
lime	493	503	coal	1184	1185			
black shale	503	507	shale	1185	1416			
lime	507	522	coal	1416	1420			
shale	522	665	shale	1420	1437			
lime	665	678	Mississippi	1437	1587			
shale	678	728						
lime	728	761					RECE	VED
shale	761	886				KANSA	S CORPORAT	IOM COMMIS
pink	886	907			•		FEB 2	2008
shale	907	987			•			
oswego	987	1017					CONSERVATION WICH!	ON DIVISION [A. KS
summit	1017	1029					7710111	

TICKET NUMBER	12853
LOCATION EUREKA	
FOREMAN RICK LE	O FORD

## TREATMENT REPORT & FIELD TICKET

				CEMENT	Γ ;			
DATE	CUSTOMER#	WEL	L NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-24-07	2368	THERETS	K+R O	2.20				MG
CUSTOMER						TAN MARKET BENEFIT		
6.	art Chero	KE BAS	in	] . [	TRUCK#	DRIVER	JRUCK-#	
MAILING ADDRE	SS			Tenes	463	Kyle	COMIDE	MINA
21	1 W. M.	y/fle STATE			439	John	FEB 19	2008
CITY		STATE	ZIP CODE					
Ind	ependance	KS	67301	] [			KC	C
JOB TYPE 10	•	HOLE SIZE	63/y"	HOLE DEPTH	1586'	CASING SIZE & W	EIGHT 4%"	954
CASING DEPTH	1580'	DRILL PIPE		_ TUBING			OTHER	
SLURRY WEIGH	T_/3. 2 #	SLURRY VOL_	51 861	WATER gal/sk	8.0	CEMENT LEFT in	CASING 0	
		DISPLACEMENT	T PSI	PSI_/30	10	RATE		
REMARKS:	aft me	ting. Rm	us to	44" cas	ng Brak	circulation	n W/3	301
fresh	vater. Pur		ns gel-		•~	o Abl fres		\$19CE.
10 861	Some W	ater. 16	BBJ du	e voter.	Mixed	165 SKS	i Elikuse	<u> </u>
coment	w/8#	Kol-seal A	KK @	13.2 = 00	lax wa	shout pump	+ lines	3hut
doun.	(clease a)	U9. 0 18	•			worke. Fina	1 pump p	reasure
	I. Bump	elva to	1300 PS	I. Leit S	- moutes	celouse pa	esure fla	it hold.
		, ,				oit. Jab		dan
			"The	MK You'	1			
								· · · · · · · · · · · · · · · · · · ·
ACCOUNT CODE	QUANTITY	or UNITS	DI	ESCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
5401	/		PUMP CHARG	SE .			840.00	840.00
5406	40		MILEAGE				3,30	132.00

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE	3,30	132.00
1126A	16500545	thicuset coment	15,40	2541.0
MOA	1320*	Kol-seal 8 = 18/sx	,38	501.60
11184	300 4	gel-flush	.15	45.00
1105	50 *	hulls	.36	18.00
5407	9.08	ton-mileage bulk trk	m/c	285.00
4404	/	41/2" top rubber plug	40.00	46.00
1/43	1 gal	5000	35.45	35.45
1140	2 94/	bi-cide RECEIVED  KANSAS CORPORATION COMMISSION	26.65	53.30
		FEB 2 0 2008		
		CONSERVATION DIVISION		
		WICHITA, KS	Subtotal	4491.35
		5.32		166.71
**************************************		ONLAD.	ESTIMATED	445801

AUTHORIZATION 45 W

SINGUR

TOTAL 4

DATE\_\_