Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License #_33074	API No. 15 - 205-25718-00-00
Name: Dart Cherokee Basin Operating Co., LLC	3.400
Address: P O Box 177	County: Wilson Sa-Na NE Sec. 27 Twp. 30 S. R. 15 F East West
City/State/Zip: Mason MI 48854-0177	4833' FSL feet from S / N (circle one) Line of Section
Purchaser: Oneok	4833' FSL feet from S / N (circle one) Line of Section 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 RECEIVED	(circle one) NE SE NW SW
t. Di	Lease Name: Wertz Well #: A3-27
Contractor: Name: MCPherson APR 2 5 2004 License: 5675	Field Name: Cherokee Basin Coal Gas Area
Wellsite Geologist: Bill Barks KCC WICHITA	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground 1005 999 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1447' Plug Back Total Depth: 1439'
·	Amount of Surface Pipe Set and Cemented at 22' Feet
OilSWDTemp. Abd. GasENHRSIGW	
	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth to w/sx cmt.
Well Name:	Drilling Fluid Management Plan ALT #2 Kgk 5/30/07 (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content_NA ppm Fluid volume_50 bbls
Plug BackPlug 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	•
3-15-04 3-17-04 3-22-04	Lease Name: Orr A1-28 SWD License No.: 33074
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	Quarter NW Sec. 28 Twp. 30 S. R. 15 \checkmark East West County: Wilson Docket No.: D-28282
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. All requirements of the statutes, rules and regulations promulgated to regular herein are complete and correct to the best of my knowledge.	or or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
Signature Bith asward	KCC Office Use ONLY
Title: Admin Fingr Asst Date: 4-22-04	Letter of Confidentiality Attached
Subscribed and sworn to before me this 200 day of April	If Denied, Yes Date:
•	, Wireline Log Received
2004	Geologist Report Received
Notary Public: Young Stoots	UIC Distribution
Date Commission Expires: Notary Public, Ingham County,	MI
My Comm. Expires Mar. 3, 20	07

X

Side Two

ORIGINAL

Operator Name: De	art Cherokee basii	Toperating Co.,	Lease	e Name:₋	VVEILE		. Well #:	-21	
Sec27 Twp	30 S. R. 15	✓ East West	Count	y: Wils	on	***			
tested, time tool ope temperature, fluid re	Show important tops and and closed, flowing acovery, and flow rates as surveyed. Attach fire	and shut-in pressur	res, whether sl st, along with t	hut-in pr	essure reached s	tatic level, hydros	static pressure	es, bottom hole	
Drill Stem Tests Take		☐ Yes ✓ No)	L	.og Formatio	n (Top), Depth ar	nd Datum	✓ Sample	
Samples Sent to Ge	eological Survey	☐ Yes ✓ No	Yes ✓ No		ie	Тор		Datum	
Cores Taken		Yes ✔ No ✔ Yes No		See					
List All E. Logs Run:	:								
High Resolution Dual Induction	Compensated De	ensity Neutron &					(
			NG RECORD	Ne urface, into	ew Used ermediate, production	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
Su	ırf 11"	8 5	/8"		22'	Class A	5		
Pro	od 6 3/4"	4 1.	/2"	9.5#	1443'1447'	50/50 Poz	180	See Attached	

		ADDITIO	NAL CEMENTII	NG / SQL	JEEZE RECORD				
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks	Used		Type and Pe	rcent Additives		
Shots Per Foot		N RECORD - Bridge ootage of Each Interval				ure, Shot, Cement Sount and Kind of Mate		d Depth	
		***************************************	See At	tached					
TUBING RECORD	Size 2 3/8"	Set At 1408'	Packer A NA		Liner Run	Yes ✔ No			
Date of First, Resumed	Production, SWD or Enh	r. Producing N	fethod	Flowing	y ✓ Pumping	Gas Lift	Othe	г (Explain)	
Estimated Production Per 24 Hours	Oil B NA	bis. Gas	Mcf	Wate	r Bbls	s. Ga	s-Oil Ratio	Gravity NA	
Disposition of Gas	METHOD OF CO	MPLETION			Production Interva	I			
Vented Sold (If vented, Su	Used on Lease umit ACO-18.)	Open Ho		D	ually Comp.	Commingled			

ORIGINAL

Dart Cherokee Basin Operating Co LLC #33074 Wertz A3-27 API # 15-205-25718-00-00 NW NE Sec 27 T30S-R15E Wilson County KS Attachment to ACO-1 Well Completion Form

Shots Per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth	
4	1330'-1331'			
4	1212.5'-1214.5'	300 gal 10% HCl, 3085# sd, 295 BBL fl		
4	1066.5'-1068.5'	300 gal 10% HCl, 1680# sd, 225 BBL fl		
4	1008.5'-1009.5'	300 gal 10% HCl, 1705# sd, 215 BBL fl		
4	961'-964'	300 gal 10% HCl, 6185# sd, 425 BBL fl		
4	847.5'-848.5'	300 gal 10% HCl, 1715# sd, 215 BBL fl		

TEDENED AR 26 268 KCC WICHINA

McPherson Drilling LLC **Drillers Log**

Line

Rig Number: S. 27 T. 30 R. 15 API No. 15- 205-25718 WL County: 1005' Location: Elev. C N/2 NE

Operator: Dart Cherokee Basin Operating Co. LLC

Address: 3541 CR 5400

Independence, KS 67301

Well No: A3-27

Lease Name: Wertz

4620 ft. from the South

1400 ft. from the East Line

Drilling Contractor: McPherson Drilling LLC

Spud date:

Footage Location:

3/15/2004

Geologist:

Date Completed:

3/17/2004

Total Depth: 1447'

Casing Record Rig Time: Surface Production 11" Size Hole: 6 3/4" Size Casing: 8 5/8" 1 Day Booster Weight: 23# Setting Depth: 22 McPherson Type Cement: Portland Sacks: McPherson

Gas Tests:	
ORIGINAL	
Commente	
Comments:	-

strat injecting water @ 283'

Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
soil	0	-3	sand	724	786 wet	sandy shale	1147	1170
lime	3	39	lime	786	787 no sho	coal	1170	1173
shale	39	44	sand shale	787	843 wet	shale	1173	1189
lime	44	118	pink lime	843	856	sand	1189	1265 n
shale	118	275 wet	coal	856	858	sandy shale	1265	1302
sand	275	350 no sho	shale	858	860	coal	1302	1304
shale	350	375	lime	860	875	shale	1304	1312
sand	375	395 no sho	blk shale	875	883	Mississippi	1312	1447 T
lime	395	471	sand	883	906 oil			1
blk shale	471	473	Osw lime	906	944		r	
lime	473	480	Summit	944	952			
sandy shale	480	483	2nd Oswego	952	960			
sand	483	492 no sho	Mulky	960	965			
coal	492	493	3rd Oswego	965	972			
sand shale	493	539	sand shale	972	1008			I
lime	539	568	coal	1008	1010		TCEIV	'E' T'
shale	568	608	sand	1010	1029		A grant out of the	han had
sand	608	618	coal	1029	1031	J.	PR 25 2	004
shale	618	647	sand shale	1031	1069	l .	CWC	4
ime	647	654	coal	1069	1072	· 14, 6,	cre AAIT'	#5 17A
sandy shale	654	672	sand	1072	1122 no sho			
ime	672	703	coal	1122	1124			
sandy shale	703	707	sand shale	1124	1139			
ime	707	724	coal	1139	1141			



211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

ORIGINAL

TICKET NUMBER

23648

LOCATION Bulk

FIELD TICKET

DATE CUST	OMERACCT# WELLN	AME OTRIGTA	SECTION TWP	AGE O	ilson	FORMATION
3-8-04 23	OMERIACOT# WELL N	13-01	01 30	1 10	1134	
CHARGE TO	art		OWNER			The second secon
MAILING ADDRESS			OPERATOR			and terms the second at 1 the second a 100 s
			CONTRACTOR			
CITY & STATE	The state of the s		•		UNIT	TOTAL.
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION	OF SERVICES OR PRO	DUCT	UNIT PRICE	
6401		PUMP CHARGE OT C	duction cas	re		698.CD
0901						
		Call	reseed hulls			38.86
1105	3 sks	d ₁	Seal			113.92
1107	3 555	G.\s	ionite			368.60
1110	19 sts	Sal	+			103.76
1118	S SIE	(re	\		B	59. W
	6722 901	Cit	4 420			13.c
1/93	1 6.00 3001	43	Josephir phic	\		1 alc
9907				3		
No. 1.01 No. 200 11 1 1 1 1 1 1 1 1 1	a des desembles and management of femalescone and management and		a minut transmission of the branch gramma behavior to an annual medical confidence of the completions.			67.5
1205	390)	Sugar	in Smert			30.0
1305	. (20)	Sa	<u> </u>			1 00.
	-		1			
			and the first place to the first place and the second particles and the second		to proper the state of the Property State of	
					and the state of t	
	again ay 5 may madagam. New A rank small results on the confidential and a planting and a second	BLENDING & HANDLII	NG .			
						190.00
લ્વળ	Min	TON-MILES STAND BY TIME				
	The second recommendation and the second	MILEAGE		RECEIVE		
		WATER TRANSPORTS	S			300.0
5501	4 hrs	VACUUM TRUCKS		APR 2 6 201		300.0
5802	4 ha	FRAC SAND	in the second	COWICH	PYA	
	a cand has be compared from the family demonstration that stay that the compared of the call demonstration is a first to be the call of th			400 88101	2 2 7 1	1.00
1124	180 5/5	CEMENT S		and the sale that they seems a seed a seems		1188 0
1109_	170 000				SALEST	AX 124.3
negationed (B. m.) g		properties has a readers. Dies der terre plates habets to repetitudente for	thy along the promptions of the transportation to kind management and may be self property and it are		1	
					ESTIMATED TO	TAL 353
Ravin 2790					/	353C
				1000		5250
	OF NITE SIGNATURE L'UL	n Baka	CIS FOREMAN	JY X	jarcieis	
CUSTOMER or AC	JEN I O SIGNAL OTHE		• .	0 /		
					DATE	
CUSTOMER or A	GENT (PLEASE PRINT)			i (1)	10 01	
				10	インにゃ	\mathcal{C}

ORIGINAL

RECEIVED

APR 2 6 2004

APR 2 6 2004

TICKET NUMBER 31044
LOCATION BUILDE

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

520-431-9210 OR 800-467-8676	epolitica Politica	FOREMA	$N = \frac{1}{2}$	
	egit (1861). NE DEDOOT		· · · · · · · · · · · · · · · · · · ·	
TREATME	NI HEPOHI			•
DATE CUSTOMER # WELL NAME FORMATION	TRUCK#	DRIVER	TRUCK #	DRIVER
3-18-04 2368 Weste ASD	289	Kick	The second section of the second seco	
SECTION TOWNSHIP BANGE COUNTY	200	Donnie	rik salova ti.	V 14 1.
27 80 15 6	488	David	al days war	dia to
NISTOMER	ย่า	Mac	r removers is	(ADD)
The state of the s			· · · · · · · · · · · · · · · · · · ·	
MAILING ADDRESS	To the vorte of		e e gera, ch	en e si i i
And the second of the second o			1	ting t
DITY STORY OF THE	nga pengunakanang nga pendada dalam nga temah Pipa, Pari mana selika sem			
The second secon	Agric Angles Ag		in the second of	· , ", · · ·
STATE ZIP CODE		•	Automotive Contraction	
the a CMADD thermal years with a service.		TYPE OF T		
	[] SURFACE	PIPE	[] ACID BREA	
TIME ARRIVED ON LOCATION	PRODUCT	ION CASING	[] ACID STIM	ULATION
WELL DATA	[] SQUEEZE	CEMENT	[] ACID SPOT	
HOLE SIZE OF A CHARLES PACKER DEPTH AND DEPTH	(:-)-PLUG1& AI	BANDON	··[/].FRAC	A terror
TOTAL DEPTH 1440088 PERFORATIONS	[] PLUG BAC	K	''['] FRÂC + NÊ	rrogen '
SHOTS/FT	[] MISP, PUN	MP	, D _{estaplica} s	3 11 • 2•
CASING SIZE 4 (2 OPEN HOLE	[] OTHER		[]	
CASING DEPTH 1443			a MIN COURT	XC 18 1.4
CASING WEIGHT		PRESSURE	LIMITATIONS :	
CASING CONDITION TUBING DEPTH	thereis afteross	reading the second	THEORETICAL	INSTRUC
TUBING WEIGHT	SURFACE PIPE	u i i jednosti i se i	20 C C C C C C C C C C C C C C C C C C C	
TUBING CONDITION	ANNULUS,LONG	STRING	ar year a larger	<u> </u>
TREATMENT VIACO CORPORED CONTRACTOR VIACONOSTICAL	TUBING		ration of the term of	or occur
THE PROPERTY OF THE PARTY OF TH	Allen Agente de	aging in the figure of the second contract of	The second second	الاستراسية المارية الم المارية المارية الماري
INSTRUCTION PRIOR TO JOB NUMBER Stell water Steel	edgel fon 25	k od in 1	obs! then	106
Sorp broke currichtion started cem can 18	0 des 960 002	501,26	sal , 270.90	
on 15 (and till of own displaced clay to 199	13 with 23.4	1 bbl water	Chut in	
	TLE			ATE
will Bake	terment in the			
TIME STAGE BIBL'S INJ RATE PROF	PPANT SAND / STAGE	Del		
	PG SAND / STAGE	PSI	March 19 19 19 19 19 19 19 19 19 19 19 19 19	··· .
	HINE WATER	. 1	BREAKDOWN	
	Ref Blackerperer (de Blacker) (t		DISPLACEME	ŇT
The second of the local or SMA			MIX PRESSUI	RE

noligimouri

OHM COLD

5,5,35

wo weath bes

rings gor

FO 350

EMOC SO

WHEN FIT

MIN PRESSURE

ISIP VARIDAY YIVG

15 MIN.

have a si app MAX RATE of