Form ACO-1 September 1999 Form Must Be Typed

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

, 33074	API No. 15 - 205-26002-00-00 URIGINAL
Operator: License #_33074  Name: Dart Cherokee Basin Operating Co., LLC	County: Wilson
Address: P O Box 177	NE_ NW_ NW_ Sec. 24 Twp. 30 S. R. 14  East West
City/State/Zip: Mason MI 48854-0177	4930' FSL feet from S N (circle one) Line of Section
On sole	44001551
•	Bet Hollie J VV (chole 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  Lease Name: S&F Huser Well #: A1-24
Contractor: Name: McPherson	Field Name: Cherokee Basin Coal Gas Area
License: 5675	
Wellsite Geologist: Bill Barks	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground: 914' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1476' Plug Back Total Depth: 1474'
Oil SWD SIOW Temp. April 15 20	Amount of Surface Pipe Set and Cemented at 43 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc) WICH	ryes, snow depth set reet
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 II NCC 8-14-08
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 120 bbls
Plug Back Potal 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	·
Other (SWD or Enhr.?) Docket No	Operator Name: Dart Cherokee Basin Operating Co LLC
4-8-05 4-12-05 4-22-05	Lease Name: Shultz D2-1 SWD License No.: 33074
4-8-05 4-12-05 4-22-05 Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	Quarter SW Sec. 1 Twp. 31 S. R. 14 ✓ East West County: Montgomery Docket No.: D-28435
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.  All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	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 82-3-101 geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
Signature. Beth asward	KCC Office Use ONLY
Title: Admin Engr Asst Date: 8-70-05	Letter of Confidentiality Attached
Subscribed and sworing to before me this 10th day of August	If Denied, Yes Date:
Causanibed and sword to before the this 10 - day of 11 to day	, Wireline Log Received
20 <b>00</b>	Geologist Report Received
Notary Public: 4 Minor & 4 Dollar	UIC Distribution
Dâte Commission Expires: Notary Public - Michigan	
Ingham County	m7

Acting in the County of Ingham

ORIGINAL

•	t Cherokee Basir 0s. R. 14	Operating Co., LLC  ✓ East West	Lease Name: S County: Wilso			Well #: A1-	-24	
NSTRUCTIONS: Shested, time tool open emperature, fluid reco	ow important tops ar and closed, flowing overy, and flow rates	and base of formations pe and shut-in pressures, v if gas to surface test, al nal geological well site re	netrated. Detail all whether shut-in pres ong with final chart	cores. Report a	tatic level, hydros	static pressure	es, bottom hole	
rill Stem Tests Taker (Attach Additional S		· Yes ✓ No	Lo	g Formation	n (Top), Depth an	nd Datum	✓ Sample	
amples Sent to Geo	logical Survey	∏ Yes ✓ No	Name	•		Тор	Datum	
ores Taken	,	Yes ✓ No	See A	Attached				
ectric Log Run (Submit Copy)		✓ Yes No						
st All E. Logs Run: High Resolution ( Dual Induction	Compensated De	nsity Neutron &	REI AUG KCC I	CEIVED 15,2005 VICHITA				
		CASING F	RECORD Nev	Used				
	Size Hole	Report all strings set-co	onductor, surface, inter Weight	mediate, production	on, etc. Type of	# Sacks	Type and Percent	
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives	
Sur	f 11"	8 5/8"	24#	43'	Class A	8		
Prod 6 3/4"		4 1/2"	10.5#	1474'	Thick Set	150	See Attached	
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD		<u> </u>		
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks Used	Used Type and Percent Additives		*		
Protect Casing Plug Back TD Plug Off Zone								
Shots Per Foot		N RECORD - Bridge Plugs ootage of Each Interval Perfe			ure, Shot, Cement S ount and Kind of Mate		d Depth	
			See Attached	<del> </del>				
						<del></del>		
TUBING RECORD	Size 2 3/8"	Set At 1445'	Packer At NA	Liner Run	Yes ✓ No			
	Production, SWD or Ent	nr. Producing Metho	ed Flowing	✓ Pumping	Gas Lift	Othe	er (Explain)	
stimated Production Per 24 Hours		bls. Gas M	Acf Water	93	s. Ga	is-Oil Ratio	Gravity NA	

## Dart Cherokee Basin Operating Co LLC #33074 S&F Huser A1-24 API #15-205-26002-00-00 NE NW NW Sec 24 T30S-R14E Attachment to ACO-1 Well Completion Form

Shots Per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1324'-1325.5'	300 gal 15% HCl, 1015# sd, 170 BBL fl	
4	1265.5'-1266.5'	300 gal 15% HCl, 1690# sd, 195 BBL fl	
4	1069'-1071'	300 gal 15% HCl, 2315# sd, 270 BBL fl	•
4	1010'-1011'	300 gal 15% HCl, 1685# sd, 200 BBL fl	
4	969'-972.5'	300 gal 15% HCl, 7450# sd, 400 BBL fl	
4	852'-853'	300 gal 15% HCl, 430# sd, 205 BBL fl	
,			

RECEIVED AUG 1 5 2005 KCC WICHITA

## McPherson Drilling LLC **Drillers Log**

Rig Number: S. 24 T. 30 R. 14E API No. 15- 205-26002 Wilson County: Elev. 914' Location:

Gas Tests: ORIGINAL

Operator:

Dart Cherokee Basin Operating Co. LLC

Address:

3541 CR 5400

Independence, KS 67301

Well No:

A1-24

S & F Huser

Footage Location:

4930 ft. from the South

Line

4120 ft. from the East

Line

Drilling Contractor:

McPherson Drilling LLC

Spud date:

4/8/2005

Geologist:

Date Completed:

4/12/2005

Total Depth:

1476'

Casing Record		A 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rig Time:
	Surface	Production	
Size Hole:	11"	6 3/4"	
Size Casing:	8 5/8"	1	
Weight:	20#		,
Setting Depth:	43'	McP	1 day booster
Type Cement:	Port		Driller - Andy Coats
Sacks:	8	McP	i i

Comments:

lot of water 474

				Well Log				
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
soil	0	2	coal	854	856	sand shale	1192	126
lime	2	65	shale	856	857	coal	1263	126
shale	65	90	pink lime	857	878	shale	1265	129
lime	90	147	shale	878	928	coal	1297	1299
shale	147	230	Oswego	928	956	shale	1299	1320
lime	<b>230</b> .	281	Summit	956	961	coal	1320	1323
shale	281	291	2nd Oswego	961	972	shale	1323	1334
sand shale	291	351	Mulky	972	976	Mississippian	1334	1476
lime	351	365	3rd Oswego	976	979	TD	1476	
shale	365	385	shale	979	1024			
lime	385	502	coal	1024	1026		-11 IT	
shale	502	<b>50</b> 6	shale	1026	1045	RECE	EIVED	
lime	506	528	coal	1045	1047		E 2005	
sand	528	539	shale	1047	1088	AUG	J 600	A
shale	539	550	coal	1088	1090	KCC/	NICHIT	P
lime	550	579	shale	1090	1108	1100		
shale	579	615	coal	1108	1110			
lime	615	632	sand	1110	1128			
shale blk	632	648	coal	1128	1129	İ		
shale	648	657	shale	1129	1132			
lime	657	705	sand oily	1132	1156			
sand shale	705	800	coal	1156	1158			
sand	800	840	shale	1158	1164	•		
sand shale	840	854	sand	1164	1192			

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

\*

TICKET NUMBER 3628

LOCATION <u>EUREKA</u>

FOREMAN KEVIN MCCOY

## TREATMENT REPORT & FIELD TICKET CEMENT

DART CHEROKEE BASIN C & C TRUCK# DRIVER TRUCK# DRIVER  ALLING ADDRESS  WELL 445 TROY  SERVICE 440 ANTHONY			7		OLIVILIA	L		* •	
DART Cherokee Basin C C C TRUCK# DRIVER TRUCK# DRIVER  AALLING ADDRESS  3541 Co. Rd. 5400  SERVICE 440 Anthony  Truck # DRIVER TRUCK# DRIVER  TROCK # DRIVER TRUCK# DRIVER  TROCK # DRIVER  TR	DATE	CUSTOMER#	WELL NAM	1E & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
DART Cherokee Basin C & C TRUCK# DRIVER TRUCK# DRIVER  AALLING ADDRESS  3541 Co. Rd. 5400  STATE ZIP CODE  Tive STATE ZIP CODE  Tive DB TYPE Longstring HOLE SIZE 6344 HOLE DEPTH 1476' CASING SIZE & WEIGHT 42 10.5# New  ASING DEPTH 1474' DRILL PIPE TUBING OTHER  LURRY WEIGHT 13.2# SLURRY VOL 46 BbL WATER gallsk 8.0 CEMENT LEFT in CASING O'  ISPLACEMENT 23.4 BbL DISPLACEMENT PSI 800  IMPRISE J300 Bump Plug RATE  EMARKS: SAFETY Meeting: Rig up to 42 CASING. BREAK CIt culation w/40 BbL  Fresh water. Pump 2 sks Gel Flush w/ Hulls 10 BbL foamer, 10 BbL fresh water  Spacer. Mixed 150 sks Thick Set Cement w/8 Kol-Seal Per/sk (© 13.2 *  Polgal, Yield 1.73. WASH out Pump & Lines. Shut down. Release Plug. Displace  W/ 23.4 BbL fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300  PSI. Wait 2 minutes. Release Pressure. FOAT Held. Shut Casing in (© 0)  PSI. Good Cement Returns to Surface = 9 BbL Sturry. Job Complek.	4-13-05	2368	SAF HUSER	A1-2	24	24	305	14E	WILSON
ASLING ADDRESS  3541 Co. Rd. 5400  STATE  ITY  ITY  Corrected to the period of the per	CUSTOMER	7574		<del></del>					A A Server
ASING DEPTH 1474' DRILL PIPE TUBING CEMENT LEFT in CASING O' ISPLACEMENT 23.4 Bbc DISPLACEMENT PSI 800 MRX PSI 1300 Bump Plug RATE  EMARKS: Safety Meeting: Rig up to 4½ CASING. Break Circulation will Bbc Fresh water. Pump 2 sks Gel Flush will Hulls 10 Bbc Foamer, 10 Bbc Fresh water Plugal, Vield 1.73. Wash out Pump & Lines. Shut down. Release Plug. Displace  Well 445 Troy  Revice 440 Anthony  Revice 440 Anthony  Casing size & Weight 4½ 10.5 ** New  Tubing  OTHER  WATER gallsk 8.° CEMENT LEFT in CASING O'  WATER gallsk 8.° CEMENT LEFT in CASING O'  REX PSI 1300 Bump Plug RATE  EMARKS: Safety Meeting: Rig up to 4½ CASING. Break Circulation will Bbc Fresh water  Fresh water. Pump 2 sks Gel Flush will Hulls 10 Bbc Foamer, 10 Bbc Fresh water  Spacer. Mixed 150 sks Thick Set Cement will 8 Kol-seal Peulsk © 13.2 **  Porlyal, Vield 1.73. Wash out Pump & Lines. Shut down. Release Plug. Displace  will 23.4 Bbc Fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300  PSI. Wait 2 Minutes. Release Pressure. Float Held. Shut Casing In @ O  PSI. Good Cement Returns to Surface = 9 Bbc Sturry. Jub Complete.	DA	at CheRo	Kee Basins		C # C	TRUCK#	DRIVER	TRUCK#	DRIVER
ITY  Independence  Independenc	MAILING ADDRE	SS			well	445	TROY		
ITY  Independence  Independenc	3541	Co. Rd.	5400		Service	440	ANTHONY		
OB TYPE LONGSTRING HOLE SIZE 63/4 HOLE DEPTH 1476' CASING SIZE & WEIGHT 42 10.5# NEW ASING DEPTH 1474' DRILL PIPE TUBING OTHER LURRY WEIGHT 13.2# SLURRY VOL 46 BbL WATER gall/sk 8.0 CEMENT LEFT IN CASING O' ISPLACEMENT 23.4 BbL DISPLACEMENT PSI 800 MEX PSI 1300 Bump Plug RATE EMARKS. SAFETY Meeting: Rig up to 42 CASING. BREAK CIT culation with BbL Fresh water. Pump 2 sts Gel Flush wil Hulls 10 BbL Framer, 10 BbL Fresh water Spacer. Mixed 150 sts Thick Set Cement wil 8 Kol-Seal Perist (a) 13.2 # Porigal, Vield 1.73. Wash out Pump & Lines. Shut down. Rejease Plug. Displace wil 23.4 BbL Fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. Wait 2 minutes. Release Pressure. Float Held. Shut Casing in (a) O PSI. Good Cement Returns to Surface = 9 BbL Slurry. Job Complete.	CITY			CODE	1				
ASING DEPTH 1474' DRILL PIPE TUBING OTHER LURRY WEIGHT 13.2 SURRY VOL 46 BbL WATER Gallsk 8.0 CEMENT LEFT IN CASING O' ISPLACEMENT PSI 800 MEX PSI 1300 Bump Plug RATE EMARKS: SAFETY Meeting: Rig up to 42 CASING. BREAK CITCULATION W/40 BbL FRESH WATER. Pump 2 Sts Get flush w/ Hulls 10 Bbl FOAMER, 10 Bbl Fresh WATER SPACER. MIXED 150 SKS Thick Set Cement w/ 8 Kol-Seal Per/sk @ 13.2 * Por/gal, Vield 1.73. WASH OUT Pump & Lines. Shut down. Refease Plug. Displace w/ 23.4 Bbl Fresh WATER. FINAL Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. WAIT 2 MINUTES. Refease Pressure. FLOAT Held. Shut CASING IN @ O PSI. Good Cement Returns to SURFACE = 9 Bbl Sturry. Job Complete.	Indepen	dence	15						
LURRY WEIGHT 13.2 SLURRY VOL 46 BbL WATER gal/sk 8.0 CEMENT LEFT in CASING O' ISPLACEMENT 23.4 BbC DISPLACEMENT PSI 800 MEX PSI 1300 Bump Plug RATE  EMARKS: SAFETY Meeting: Rig up to 4½ CASING. BREAK CIT CULATION W/40 BbL  FRESH WATER. Pump 2 Sts Gel Fiush W/ Hulls 10 BbL FOAMER, 10 BbL FRESH WATER  SPACER. MIXED 150 SKS Thick Set Cement W/ 8 Kol-Seal Perlsk (@ 13.2 *  Porlgal, Vield 1.73. WASH out Pump & Lines. Shut down. Release Plug. Displace  W/ 23.4 BbL Fresh WATER. FINAL Pumping Pressure 800 PSI. Bump Plug to 1300  PSI. WAIT 2 MINUTES. Release Pressure. FLOAT Held. Shut CASING IN (@ O  PSI. Good Cement Returns to SURFAKE = 9 BbL Slurry. Job Complete.			HOLE SIZE 63/4	,	HOLE DEPTH	1476'	CASING SIZE & W	/EIGHT <u>/な</u> /	0.5# New
EMARKS: SAFETY Meeting: Rig up to 4½ CASING. BREAK CITCULATION W/40 BbL  Fresh water. Pump 2 sks Gel Flush w/ Hulls 10 Bbl Former, 10 Bbl Fresh water  Spacer. Mixed 150 sks Thick Set Cement w/ 8 Kol-Seal Per/sk (@ 13.2 #  Porlyal, yield 1.73. Wash out Pump & Lines. Shut down. Release Plug. Displace  W/ 23.4 Bbl Fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300  PSI. Wait 2 minutes. Release Pressure. Float Held. Shut Casing IN (@ 0)  PSI. Good Cement Returns to Surface = 9 Bbl Slurry. Job Complete.	CASING DEPTH	1474'	DRILL PIPE		TUBING			OTHER	
EMARKS: SAFETY Meeting: Rig up to 42 CASING. BREAK CITCULATION W/40 BbL  FRESH WATER. PUMP 2 SKS GEL FIUSH W/ HULLS 10 BbL FOAMER, 10 BbL FRESH WATER  SPACER. MIXED 150 SKS THICK SET CEMENT W/ 8 KOL-SEAL PERISK @ 13.2 #  PORIGAL, YIELD 1.73. WASH OUT PUMP & LINES. SHUT DOWN. ReleasE Plug. Displace  W/ 23.4 BbL FRESH WATER. FINAL PUMPING PRESSUR. 800 PSI. BUMP Plug to 1300  PSI. WAIT 2 MINUTES. ReleasE PRESSUR. FLOAT Held. Shut CASING IN @ O  PSI. Good CEMENT RETURNS TO SURFACE = 9 BbL STURRY. Jub Complete.								CASING_O	
EMARKS: SAFETY Meeting: Rig up to 42 CASING. BREAK CITCULATION W/40 BbL  FRESH WATER. PUMP 2 SKS GEL FIUSH W/ HULLS 10 BbL FOAMER, 10 BbL FRESH WATER  SPACER. MIXED 150 SKS THICK SET CEMENT W/ 8 KOL-SEAL PERISK @ 13.2 #  PORIGAL, YIELD 1.73. WASH OUT PUMP & LINES. SHUT DOWN. ReleasE Plug. Displace  W/ 23.4 BbL FRESH WATER. FINAL PUMPING PRESSUR. 800 PSI. BUMP Plug to 1300  PSI. WAIT 2 MINUTES. ReleasE PRESSUR. FLOAT Held. Shut CASING IN @ O  PSI. Good CEMENT RETURNS TO SURFACE = 9 BbL STURRY. Jub Complete.	DISPLACEMENT	23.4 Bbc	DISPLACEMENT PSI_	800_	MX PSI_130	00 Bump Plus	RATE	·····	
Fresh water. Pump 2 sk's Gel Fiush w/ Hulls 10 Bbl Frame, 10 Bbl Fresh water Spacer. Mixed 150 sks Thick Set Cement w/ 8 Kol-Seal Perlsk @ 13.2 # Porlyal, Yield 1.73. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 23.4 Bbl Fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. Wait 2 minutes. Release Pressure. Float Held. Shut Casing in @ O PSI. Good Cement Returns to Surface = 9 Bbl Slurry. Job Complete.	REMARKS: SA	Fety Meet	Ng: Big up	to 3	1/2 CASI	vg. BREA	K Citcular	40N W/4/6	1.B5L
Porlgal, yield 1.73. Wash out Pump & Lines. Shut down. Release Plug. Displace of 23.4 Bbl fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. Wait 2 minutes. Release Pressure. Float Held. Shut Casing in @ O PSI. Good Cement Returns to Surface = 9 Bbl Sturry. Job Complete.									
of 23.4 Bbl fresh water. Final Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. Wait 2 Minutes. Release Pressure. Float Held. Shut Casing in @ O PSI. Good Cement Returns to Surface = 9 Bbl Slurry. Jub Complete.	SPACER.	Mixed	150 SKS Thic	K Se	+ Cemen	it w/ 8°	* KOL-SEAL	Per/sk (a	13.2 #
PSI. WAIT 2 MINUTES. Release PRESSUR. FLOAT Held. Shut CASING IN @ O PSI. Good Cement Returns to SURFACE = 9 BbL STURRY. Jub Complete.	Por/gAL	, yield 1.7	3. WASh out	- Pum	p & Lines	. Shut do	wn. Releas	e Plug.	Displace
PSI. Good Cement Returns to SURFACE = 9 BbL STURRY. Jub Complete.	w/ 23.4	BLL FRESH	WAter. FINA	L Pur	nping Pr	lessure 80	DO PSI. BUR	np Plug 7	40 1300
	,				, ,			7	
	PS1. Go	od Cemen	+ Returns ;	to Su	IRFACE =	9 BbL 51	LARY. JUE	Comple	k.
	Rig don	in.							

				*. *
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	750.00	750.00
5406	36	MILEAGE	2.45	88.20
1126 A	150 SKS	Thick Set Cement	12.70	1905.00
1110 A	24 SKS	KOL-SEAL	16.55	397.20
///8	2 5KS	Gel Flush DECEIVE	13.00	26.00
1105	1.5%	Hulls	14.30	14.30
5407	8.25 TONS	Ton Milenge AUG 15 200	MIC	235.00
4404		4/2 Top Rubber Plug KCCWICH	TA37.00	37.00
1238	1. gAL	SOAP	31.50	31.50
1205	2 gAL	BI- Cide (Mixed w/ water)	23.65	47.30
				-
	· .			
			Sub totAL	3531.50
		Thank You 6.3%	SALES TAX	149.91
	100		ESTIMATED	3/8/4/

AUTHORIZTION Con Con Control Con Control Con Control Con Control Contr

TITLE

36699

ESTIMATED 3

TE