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 - 125-30207-00-00
Name: Dart Cherokee Basin Operating Co., LLC	County: Montgomery
Address: P O Box 177	SE_NW SE_SE Sec. 2 Twp. 31 S. R. 15 F East West
City/State/Zip: Mason MI 48854-0177	750' FSL feet from S / N (circle one) Line of Section
Southern Star	700' FEL feet from E / W (circle one) Line of Section
Character Contact Borner, Beth Oswald	Footages Calculated from Nearest Outside Section Corner:
Phone: (_517) 244-8716	(circle one) NE SE NW SW
Contractor: Name: McPherson APR 10 2003	Lease Name: Shafer Well #: D4-2
License: 5675	Field Name: Jefferson-Sycamore
Wellsite Geologist: Bill Barks CONSERVATION DIVISION	Producing Formation: Penn Coals
Designate Type of Completion: WICHITA, KS	Elevation: Ground: 968' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1364' Plug Back Total Depth: 1350'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20' Feet
Gas ENHR SIGW	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:	
Original Comp. Date: OriginalTotal Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 120 bbls
Plug BackPlug Back Total Depth	Dewatering method used empty w/ vac trk and air dry
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name: Dart Cherokee Basin Operating Co
10-30-02 11-2-02 1-14-03	Lease Name: Lavely 4C License No.: 33074
Spud Date or Recompletion Date Date Reached TD Recompletion Date T1-14-03 Completion Date or Recompletion Date	Quarter_NEsec. 3twp. 31 S. R15 \(\nu\) East West County: Montgomery Docket No.: D-23422
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.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. months if requested in writing and submitted with the form (see rule 82-3-nd geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	the oil and gas industry have been fully complied with and the statements
Signature: Beth Uswald	KCC Office Use ONLY
Title: Engr Asst Date: 4-8-03	Letter of Confidentiality Attached
Title: Engr Asst Date: 4-8-03 Subscribed and sworn to before me this 4-8-03	If Denied, Yes 🛭 Date: 🗸 Date:
192003.	Wireline Log Received
	Geologist Report Received
Notary Public: 1000 Bite 20010	UIC Distribution
Pate Commission Expires: Karen L. Welton Notary Public, Ingham Count My Comm. Expires Mar. 3, 2	y, MI

Side Two

R	OKNESTICE:	a	Shirteman	A CONTRACTOR OF THE PARTY OF TH	Salar Salar	Δ	Sanday	
	Grand	U	00000			1		

Operator Name: Da									_ Well #: _D2	l-2	
sec2 Twp3	31 s. R. 15	_ 🗸 Eas	st West	County	: Mont	gomer	У				
ested, time tool ope emperature, fluid red	how important tops n and closed, flowin covery, and flow rate s surveyed. Attach	g and shu es if gas to	t-in pressures, surface test, a	whether sh long with f	nut-in pre	ssure re	ached s	static level, hydro	static pressu	res, bottom l	hole
rill Stem Tests Take		Y	∕es ✔ No				ormatic	n (Top), Depth a		∠ Sai	•
samples Sent to Ge	ological Survey	□ Y	′es ✔ No		Nam	•			Тор	Dat	tum
Cores Taken		Υ	′es ✔ No		See	Attach				.1	
lectric Log Run (Submit Copy)		∠ Y	'es No				KANSA	S CORPORATION		٧	
ist All E. Logs Run:								APR 10 2	2003		
High Resolution	Compensated D	ensity N	leutron			عادية ميديد المادية ا	omigram e in supply cur se	CONSERVATION WICHITA,		د این میناند در این	
			CASING	RECORD	Ne	w L	sed				
		· · · · · · · · · · · · · · · · · · ·	ort all strings set-c	·							
Purpose of String	Size Hole Drilled		ze Casing et (In O.D.)	Weig Lbs.		Set De		Type of Cement	# Sacks Used	Type and Addi	
Surf	11"	8 5/8"				20'		Class A	4		
Prod	6 3/4"	4 1/2"		10.5		1355'		50/50 Poz	235	See Atta	ached
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Тура	ADDITIONAL e of Cement	CEMENTII #Sacks		EEZE R	ECORD	Type and P	ercent Additive	s	
Shots Per Foot			RD - Bridge Plug Each Interval Per			A		ture, Shot, Cement		ord	Depth
4	1215'-1220.5'			·		500 g	al 7 1/2	2% ac, 5900#	sd & 575 E	BBL fl	
4	1217'-1220'			,		350 g	al 10%	ac, 240 BBL	fl		
6	1199'-1201'		****	· · · · · · · · · · · · · · · · · · ·		350 g	al 10%	ac			
7	998.5'-999.5'					350 g	al 10%	ac, 240 BBL	fl		· · · · · · · · · · · · · · · · · · ·
6	941'-943', 907'-	911'				700 g	al 10%	ac, 480 BBL	fl		
TUBING RECORD 2 3	Size 3/8"	Set At 1286'		Packer A	\t	Liner R	un	Yes ✔ No			
	Production, SWD or E		Producing Meth		Flowing	~	Pumpin		t Oth	ner <i>(Explain)</i>	
Estimated Production Per 24 Hours	Oil NA	Bbls.	Gas 2	Mcf	Wate	r	Bb	ols. G	as-Oil Ratio	NA	Gravity
Disposition of Gas	METHOD OF	COMPLETION				Product	ion Interv		•	. 17	•
Vented ✓ Sold (If vented, So	Used on Lease		Open Hole Other (Specia	Perf. fy)	. D	ually Con	np.	Commingled			

Drillers Log McPherson Drilling LLC

Rig: 3 API No. **15-** 125-30207-0000 Elev. 968 Dart Cherokee Basin Operating Co. LLC Operator: Address: P.O. Box 177 Mason, MI 48854-0177 Well No: 04-2 Footage Location: Shafer Lease Name: 750 ft. from the South Line 700 ft. from the East Line **McPherson Drilling LLC** Drilling Contractor: Bill Barks Spud date: 10/30/02 Geologist: Total Depth: 1364' Date Completed: 11/1/02

S. 2 T. 3	1s R. 15e
Loc:	NW SE SE
County:	MG

Gas Tests:

783'	0.00	MCF
893'	0.00	MCF
913'	0.00	MCF
944'	3.92	MCF
1004'	3.92	MCF
1084'	4.42	MCF
1104'	4.42	MCF
1224'	34.0	MCF
1284'	34.0	MCF
KANSAS CORPORA	EIVED TION COMI O 2003	AISSION
CONSERVAT WICH	FION DIVISI ITA, KS	ON

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	

R	ig Ti	me:	
2	hrs.	- Gas	Test
		d injec	
W	ater	@ :48	0'

				Well Log		Beet of the contraction of the state of the	
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation Top E	3tm.
shale	0	6	shale	791	819		
lime	6	8	sand/shale	819	823 odor		
shale	8	43	oil sand	823	854		
lime	43	61	1st oswego	854	881		
shale	61	84	summit	881	888		
lime	84	96	2nd oswego	888	900		
shale	96	197	mulky	900	908		
lime	197	227	3rd oswego	908	915		
shale	227	237	shale	915	938		
coal	237	238	coal	938	941		
shale	238	291	shale	941	994		
lime	291	317	coal	994	995		
sand/shale	317	337	shale	995	1080		
lime	337	384	coal	1080	1083		
sand	384	425 no sho	sand/shale	1083	1089 odor		
sand/shale	425	454	oil sand	1089	1094		
lime	454	483	sand/shale	1094	1152		
shale	483	540	oil sand	1152	1163		
lime	540	636	sand/shale	1163	1212		
sand/shale	636	689	coal	1212	1215		
sand	689	759 no sho	sand/shale	1215	1224	put oil on the pit when unloadin	ıg
shale	759	773	shale	1224	1276	the morn of 11-1-02	
pink lime	773	791	Mississippi	1276	1364 TD		

RECEIVED KANSAS CORPORATION COMMISSION

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211 W. 14TH STREET, CHANUTE, KS 66720 30.

620-431-9210 OR 800-467-8676

OR 800-467-8676

TREATMENT REPORT

TICKET NUMBER 23065

ATION DIVISION LOCATION LANGUE /

FOREMAN Jim Green

DATE CUSTOMER ACCT # WELL NAME QTR/QTR 11-02 2368 Shafer # D4-2	R SECTION TWP RGE COUNTY FORMATION
	Marin Marin Marin Marin Santan Sa
CHARGE TO DART	OWNER
AILING ADDRESS PORBOX 100	OPERATOR Brill Parks
ITY. Sycamore,	CONTRACTOR Mc Pherson Drilling
TATE 9 10 10 10 10 10 10 10 10 10 10 10 10 10	
TATE /(): ZIPCODE (3 / 5 Z)	DISTANCE TO LOCATION _>5
IME ARRIVED ON LOCATION 4-00PM	TIME LEFT/LOCATION (CERTICAL PROPERTY AND LINES TO BUSINESS OF THE LEFT/LOCATION (CERTICAL PROPERTY AND ADDRESS OF THE LEFT/LOCATION (CERTICAL PROPERTY ADDRESS OF THE LEFT/LOCATION (CERTICAL PROPERT
OLE SIZE WELL DATA	TYPE OF TREATMENT
OTAL DEPTH	
ASING SIZE A CHANGE TO SET SETTINGLY	[] ACID BREAKDOWN
ASING DEPTH 10 13 5 THS CHICK 19/3 5500	PRODUCTION CASING . [,] ACID STIMULATION
ASING WEIGHT	[] SQUEEZE CEMENT *: Fig. ACID SPOTTING
ASING CONDITION	[] PLUG & ABANDON [] FRAC
UBING SIZE	
UBING DEPTH	
UBING WEIGHT	[] MISC PUMP [] FOAM FRAC
UBING CONDITION	[]OTHER []NITROGEN
AOVED DEDTIL	·
ACKER DEPTH	PRESSURE LIMITATIONS
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	SURFACE PIRE
PEN HOLE	ANNULUS LONG STRING
REATMENT VIA	ANNULUS LONG STRING TUBING
REATMENT VIA ISTRUCTION PRIOR TO JOB Com 389 PUTA, 128PT OP 230	ANNULUS LONG STRING TUBING en 1 One Well B1 JB, 414 T/15 T-33 LB
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REATMENT VIA ISTRUCTION PRIOR TO JOB RESCRIPTION OF JOB EVENTS E STOBLISH CIrcular	ANNULUS LONG STRING TUBING ENT ONE WELL BT JB, 414 T/15 T-33 LB IMARY TON Mir and pump 251 gol wir Marker with mud trush mir and
REATMENT VIA STRUCTION PRIOR TO JOB CEM SPG PUT JULY 12 PPT OP 230 JOB SUM ESCRIPTION OF JOB EVENTS F 5 40 5/15 L Circular July Followed with 16 65/15 Dre Dump 235511 50/25 Par mix Comen	ANNULUS LONG STRING TUBING ENT ONE WELL BT JB, 414 T/15 T-33 LB IMARY Ton Mir and pump 2511 gol wir Marker with mud trush mir and T. with 5th fronte, 517, 5alt 1
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REATMENT VIA ISTRUCTION PRIOR TO JOB SPG PUT L JEPT OF 230 JOB SUM ESCRIPTION OF JOB EVENTS E STO S/ISL CIRCLE AT Joll's Followed with 16 bb/s Dre Dump 235511 50/25 Par mix Comen Sel July 10- Seal 10512 Lead Coment at 1454 PMG. Flush pun Drag to total deprin of casing Ci Chessure apto 800*PMT held good Si	ANNULUS LONG STRING TUBING ENT ONE WELL BT JB, 414 T/ 15 T-33 LB IMARY MARY MARY MARKER WITH MUST Elush MIX and T. WITH 54 6/ Sente 500 Salt A Cencat on 13,54 pb6 125 silt A Clear of Check with wire line Serat ET Clast Check with wire line Serat
REATMENT VIA ISTRUCTION PRIOR TO JOB SPG PUSC JEPT OF 230 JOB SUM ESCRIPTION OF JOB EVENTS F Stablish Circular Julis Followed with 166515 Dre Dump 235511 Stops for mix Comen sel lije flo-seal floss former ement at 145 & PMG. Flush pun Ding yo roral depth of casing Circular PRESSURE SUMMARY	ANNULUS LONG STRING TUBING Lent One Well BT JB, 414 T/1 int-33 LB IMARY I on Mix and pump 2s 11 gel wir Marker with mud thish mix and If with 5th Steate 570 Salt 2 I come at at 13,5th PBG 125 su Ta of Clear of Coment. Pump 4/2" to real atms 6 bbls return Coment. Exculating 6 bbls return Coment. TERAMENT BATE TERAMENT BATE
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