

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE * Re-completed #1-SWD-Bitter

Operator: License # 30380
Name: Hupfer Operating, Inc.
Address: P.O. Box 3912
City/State/Zip: Shawnee, KS 66203
Purchaser: _____
Operator Contact Person: Dennis D. Hupfer
Phone: (913) 400-3777
Contractor: Name: Express Well Serv.
License: 6426
Wellsite Geologist: _____

Designate Type of Completion:
____ New Well ____ Re-Entry Workover
____ Oil SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: Boger Brothers, Inc.
Well Name: Bitter #2 OWWO
Original Comp. Date: 5-30-85 Original Total Depth: 3607
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No. _____
____ Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. D-23,966
Ran 4 1/2" liner
May 23, 12 May 23, 12
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 009-21,2274-00-02
County: Barton
C-W2 SW .NW Sec. 5 Twp. 16 S. R. 13 East West
3250 3322 feet from (S) N (circle one) Line of Section
4757 4858 feet from (E) W (circle one) Line of Section
GPS-KCC-DK
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Bitter Well #: 21
Field Name: Trapp
Producing Formation: None
Elevation: Ground: 1878 Kelly Bushing: 1883
Total Depth: 3607 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 252 Feet
Multiple Stage Cementing @ 800' Used? - Perforate Yes No
If yes, show depth set 3376 - 150 sxs. 800 to surface - 275 sxs. Feet
If Alternate II completion, cement circulated from 800
feet depth to surface w/ 275 sx cmt.

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Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 20,000 ppm Fluid volume 30 bbls
Dewatering method used Let dry natural
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Dennis D. Hupfer
Title: President Date: 7-3-12

Subscribed and sworn to before me this 3 day of July

XXX 2012
XXX

Notary Public: [Signature]
Date Commission Expires: 7/10/14

SABRINA BRENNAN
Notary Public
State of Kansas
My Commission Expires 7/10/14

KCC Office Use ONLY

____ Letter of Confidentiality Attached
If Denied, Yes Date: _____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

120-blg 7/9/12

Operator Name: Hupfer Operating, Inc. Lease Name: Bitter B Well #: 2
 Sec. 5 Twp. 16 S. R. 13 East West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<table border="1"> <thead> <tr> <th>Log</th> <th>Formation (Top), Depth and Datum</th> <th>Sample</th> </tr> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>849</td> <td>+1034</td> </tr> <tr> <td>Topeka</td> <td>2760</td> <td>- 877</td> </tr> <tr> <td>Heebner</td> <td>2992</td> <td>-1109</td> </tr> <tr> <td>Douglas</td> <td>3023</td> <td>-1140</td> </tr> <tr> <td>Lansing</td> <td>3063</td> <td>-1180</td> </tr> <tr> <td>BKC</td> <td>3272</td> <td>-1389</td> </tr> <tr> <td>Arbuckle</td> <td>3312</td> <td>-1429</td> </tr> <tr> <td>RTD</td> <td>3607</td> <td>-1724</td> </tr> </tbody> </table>	Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Anhydrite	849	+1034	Topeka	2760	- 877	Heebner	2992	-1109	Douglas	3023	-1140	Lansing	3063	-1180	BKC	3272	-1389	Arbuckle	3312	-1429	RTD	3607	-1724
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Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																															
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																															
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															
List All E. Logs Run: New -Gamma Ray CCL																																

5-31-12 * CASING RECORD New Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	Unknown	252	Unknown	175	2% gel, 3% cc
Production	7-7/8"	5 1/2"	14	3376	Unknown	275 sxs.	Unknown
* Liner		4 1/2"	10.5	3353	60/40 Poz	200 sxs	2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD - 4 1/2" LINER				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3353 to surface	65/35 Poz	200 sxs.	2% gel-Cement did circulate to surface

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
	SWDW		

TUBING RECORD	Size <u>2-7/8"</u> Set At <u>3321</u> Packer At <u>3321</u>	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method	
<u>5-23-12</u>	Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <input type="checkbox"/>	
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcl Water Bbls. Gas-Oil Ratio Gravity	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease	<input type="checkbox"/> Open Hole <input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingle

WY COMMERCIAL SERVICE
 2012-11-12 10:00 AM
 11/12/12

COPELAND

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
(316) 524-1027 FAX

Invoice

Acid & Cement

BURRTON, KS GREAT BEND, KS
(620) 463-5161 (620) 793-3368
FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C39664-IN

BILL TO:
HUPFER OPERATING, INC.
P.O. BOX 3912
SHAWNEE, KS 66203-0912

LEASE: BITTER SWD

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
05/23/2012	C39664		05/18/2012		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
25.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	100.00
25.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	50.00
1.00	EA	CEMENT PUMP CHARGE		0.00	950.00	950.00
200.00	SAX	65-35 POZ MIX 2% GEL		0.00	9.25	1,850.00
8.00	SAX	4% ADDITIONAL GEL		0.00	20.00	160.00
100.00	LB	FRICTION REDUCER C-37		0.00	3.75	375.00
1.00	EA	4 1/2" FLOAT SHOE		0.00	285.00	285.00
1.00	EA	4 1/2" WIPER PLUG		0.00	65.00	65.00
210.00	EA	BULK CHARGE		0.00	1.25	262.50
231.25	MI	BULK TRUCK - TON MILES		0.00	1.10	254.38
		<i>5-23-12</i>				
		<i>CEMENT LINER 4 1/2" CG</i>				
		<i>3358 to Surface</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		4,351.88
		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY...		BATCO Sales Tax:		94.90
RECEIVED BY		NET 30 DAYS		Invoice Total:		4,446.78

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.

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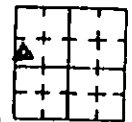
BOGER BROTHERS DRILLING, INC.
 254 W. 2ND, BOX 120 #2 BITTER 'OWWD' 5-16-13W
 HOTSTINGTON, KS 67544 C W/2 SW NW

CONTR COMPANY TOOLS CITY BARTON

GEOLOGIST STEVE MITCHELL FIELD TRAPP

ELY 1883 KB SPD 3/29/85 CARD ISSUED 5/30/85 IP SWDW

API 15-009-21,227-A GR WSH OH 3376-3607



LOG	Top	Depth/Datum
SC		849+1034
GR HAVEN		2410-527
DOVER		2437-554
TARK		2485-602
ELM		2550-667
HOW		2687-804
SEV		2738-855
TOP		2760-877
HEEB		2992-1109
TOR		3007-1124
DOUG		3023-1140
LANS		3083-1180
BKC		3272-1389
PENN CONG		3312-1429
ARB		3314-1431

OLD INFO: OPERATOR WAS CRUDE PRODUCERS, INC., #1 BIT-
 TER, SPD 8/23/77, SET 8 5/8 " 252 / 175SX, COMP AS D&A/ARB
 9/2/77 (CARD ISSUED 9/29/77), CONTR: REVLIN DRILLING, INC.
 DST (1) 3080-02 (LKC) / 30-30-30-30, REC 85' W, SIP 428-
 408#, FP 40-51 / 61-61#, BHT 116°
 DST (2) 3307-19' (CONG, ARB) / 30-30-0-0, REC 15' M, ISIP
 938#. (FP 40-30#
 DST (3) 3308-23 (CONG, ARB) / 30-30-30-30, 180' OCMW,
 1426' MCW, SIP 1020-1020#, FP 71-459 / 479-683#
 NEW INFO: FR 3/15/85, RE-ENTERED 3/30/85, WSH DWN TO
 OTD, DD 3607 TD, SET 5 1/2 " 3376 / 150SX, MICT - CO, TWO
 STAGE PF (SC) AT 860', SWB DWN, SQZD W / 275SX, DO CMT,
 WSH DWN TO (GR WSH OH), SWB DWN, SWDW - INJECTION
 RATE SATISFACTORY

ORTD 3370-1487
 GRAN WSH NOT AVAILABLE
 DDTD 3607-1724

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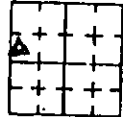
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LOG-TECH

of Kansas Inc.

GREAT BEND, KANSAS

GAMMA RAY CCL

Company HUPFER OPERATING, INC.
Well BITTER #1 SWD
Field
County BARTON
State KANSAS

Company HUPFER OPERATING, INC.
Well BITTER #1 SWD
Field
County BARTON State KANSAS

Location C- W/2 SW-NW
SEC. 5 TWP. 16S RGE. 13W
Other Services
Elevation
K.B.
D.F.
G.L.

Date	05-23-2012
Run Number	ONE
Depth Driller	
Depth Logger	NOT LOGGED
Bottom Logged Interval	3398
Top Log Interval	3219
Open Hole Size	
Type Fluid	WATER/OIL
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	52
Location	GREAT BEND
Recorded By	LEE BRETZ
Witnessed By	MR. RICK POPP

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Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record		Size	Wgt/Ft	Top	Bottom		
Surface String							
Prot. String							
Production String		5.5		0	3381.5		
Liner		4.5		0	3353.5		

SEE PAGE 11



7-3-12

7-5-12
ACOT given
to Dianna.
To Nedra to
record & then
to Cindy.

Alan

Per our telecon info
enclosed with our check for
\$100.⁰⁰ - Steve Bond ask me
To send everything to you
Then pass on to Him

Regards

P.O. Box 3912
Shawnee, KS 66203-0912

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KCC WICHITA

Cell: (785) 623-8813