

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30259  
Name: Werth Exploration Trust  
Address 1: 1308 Schwaller Ave.  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Andy Werth  
Phone: ( 785 ) 625-3531  
CONTRACTOR: License # 33493  
Name: American Eagle Drilling, LLC  
Wellsite Geologist: Ed Glassman  
Purchaser: NCRA  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
*(Core, WSW, Expl., Cathodic, etc.)*

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
11-23-2009      12-03-2009      1-12-2010  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 065-23597-00-00  
Spot Description: 44' W  
E2 NE NW N2 SE Sec. 21 Twp. 7 S. R. 22  East  West  
2310 Feet from  North /  South Line of Section  
1441 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Graham  
Lease Name: Worcester Well #: M-1  
Field Name: Alda South  
Producing Formation: Arbuckle  
Elevation: Ground: 2247 Kelly Bushing: 2253  
Total Depth: 3840 Plug Back Total Depth: None  
Amount of Surface Pipe Set and Cemented at: 216 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1732 Feet  
If Alternate II completion, cement circulated from: 1732  
feet depth to: surface w/ 450

**Drilling Fluid Management Plan**  
*(Data must be collected from the Reserve Pit)*  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

*Alt 2-Dlg - 2/1/10* <sup>sx omf</sup>

**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: Ed Glassman  
Title: Geologist Date: 1-16-2010  
Subscribed and sworn to before me this 26<sup>th</sup> day of January,  
2010.  
Notary Public: Diana Glassman  
Date Commission Expires: December 7, 2011

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
**RECEIVED**  
**JAN 27 2010**

**DIANA GLASSMAN**  
Notary Public  
State of Kansas  
My Commission Expires 12/7/11

**KCC WICHITA**

Operator Name: Werth Exploration Trust Lease Name: Worcester Well #: M-1 **JAN 27 2010**  
 Sec. 21 Twp. 7 S. R. 22  East  West County: Graham

KCC WICHITA

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Density-Neutron, Micro, Cement Bond Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1878</td> <td>375</td> </tr> <tr> <td>B/Anhydrite</td> <td>1909</td> <td>344</td> </tr> <tr> <td>Topeka</td> <td>3231</td> <td>-978</td> </tr> <tr> <td>Heebner</td> <td>3436</td> <td>-1183</td> </tr> <tr> <td>Lansing</td> <td>3474</td> <td>-1221</td> </tr> <tr> <td>B/Kansas City</td> <td>3670</td> <td>-1417</td> </tr> <tr> <td>Arbuckle</td> <td>3770</td> <td>-1516</td> </tr> </table>	Name	Top	Datum	Anhydrite	1878	375	B/Anhydrite	1909	344	Topeka	3231	-978	Heebner	3436	-1183	Lansing	3474	-1221	B/Kansas City	3670	-1417	Arbuckle	3770	-1516
Name	Top	Datum																							
Anhydrite	1878	375																							
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Topeka	3231	-978																							
Heebner	3436	-1183																							
Lansing	3474	-1221																							
B/Kansas City	3670	-1417																							
Arbuckle	3770	-1516																							

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	12.25"	8.625"	20#	216'	Common	150	3%cc, 2%gel
Production	8.875"	5.5"	14.5#	3839'	Common	200	10%salt,2%gel,1/4#flo-seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
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	000-1732	60/40 POZ	450	4% gel, 1/4# flo-seal

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 spf	3790-3795	300 gal 15% MCA	3790-95
2 spf	3550-3553	250 gal 15% MCA	3550-53
2 spf	3474-3480	350 gal 15% MCA	3474-80

TUBING RECORD:	Size: <u>2.375"</u>	Set At: <u>3780</u>	Packer At: <u>None</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>1-22-2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>None</u>	Water Bbls. <u>40</u>	Gas-Oil Ratio <u>NA</u>
				Gravity <u>35</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3474 - 3795 OA</u>
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3972

Date 11/24/09	Sec. 21	Twp. 7	Range 22	County Graham	State KS	On Location	Finish 4:00 AM
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Lease Worcester Well No. M-1 Location Bogue Jet; 4w; 3 1/4 n; W into

Contractor American Eagle Drilling LLC Owner

Type Job Surface To Quality Oilwell Cementing, Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/8" T.D. 216'  
Csg. 8 5/8" 20# Depth 216' Charge To Worth, Andy dba Worth Exploration Trust

Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_ Street \_\_\_\_\_

Tool \_\_\_\_\_ Depth \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Cement Left in Csg. 15' Shoe Joint \_\_\_\_\_ The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line \_\_\_\_\_ Displace 13 bbls **CEMENT**

EQUIPMENT				Amount Ordered
Pumptrk 9	No.	Cementer Helper	<u>Paul</u>	Common 150sx Common 30lb CC 20lb Gel
Bulktrk 8	No.	Driver	<u>Blake</u>	Poz. Mix
Bulktrk <u>Pa</u>	No.	Driver	<u>Rocky</u>	Gel.

**JOB SERVICES & REMARKS**  
Remarks: \_\_\_\_\_  
Calcium \_\_\_\_\_  
Hulls \_\_\_\_\_  
Salt \_\_\_\_\_  
Flowseal \_\_\_\_\_

Cement did Circulate

RECEIVED  
JAN 27 2010

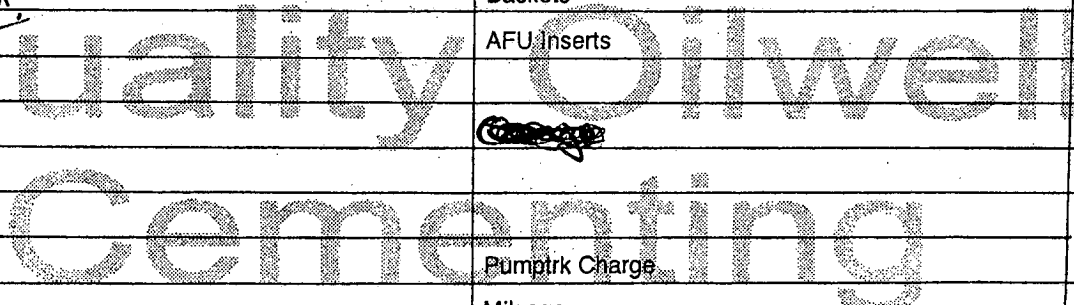
KCC WICHITA

Handling \_\_\_\_\_  
Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**

Guide Shoe \_\_\_\_\_  
Centralizer \_\_\_\_\_  
Baskets \_\_\_\_\_  
AFU Inserts \_\_\_\_\_

Thank You!



Pumptrk Charge \_\_\_\_\_  
Mileage \_\_\_\_\_

Tax \_\_\_\_\_  
Discount \_\_\_\_\_  
Total Charge \_\_\_\_\_

X Signature John Barber

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

# Invoice

Date	Invoice #
11/24/2009	2108

Bill To
WERTH EXPLORATION TRUST 1308 SCHWALLER AVE HAYS KS 67601

*Pd*  
*11-30-09*  
*CLC#4571*  
*# 2 931.29*  
*Worcester M-1*  
*Drilling Exp*

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
150	common	10.00	1,500.00T
3	GEL	17.00	51.00T
5	Calcium	42.00	210.00T
158	handling	2.00	316.00
1	MILEAGE CHARGE	600.00	600.00
1	surface pipes 0-500ft	500.00	500.00
53	pump truck mileage charge	7.00	371.00
352	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-352.00T
357	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-357.00
	LEASE: WORCASTER WELL #M-1 Graham county Sales Tax	6.55%	92.29
RECEIVED JAN 27 2010 KCC WICHITA			
Thank you for your business. Dave			<b>Total</b> \$2,931.29

Cement



TREATMENT REPORT

Acid Stage No. ....

12-29-09 District G.B. F. O. No. C36285  
 Company Worth Expl. Trust  
 Well Name & No. Worcester M#1  
 Location \_\_\_\_\_ Field \_\_\_\_\_  
 County Grahan State KS  
 Casing: Size 5 1/2" Type & Wt. \_\_\_\_\_ Set at \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Liner: Size \_\_\_\_\_ Type & Wt. \_\_\_\_\_ Top at \_\_\_\_\_ ft. Bottom at \_\_\_\_\_ ft.  
 Cemented: Yes/No. Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Tubing: Size & Wt. 2 7/8" Swung at \_\_\_\_\_ ft.  
 Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Type Treatment: Amt. \_\_\_\_\_ Type Fluid \_\_\_\_\_ Sand Size \_\_\_\_\_ Pounds of Sand \_\_\_\_\_  
 Bkdown \_\_\_\_\_ Bbl. /Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl. /Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl. /Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl. /Gal. \_\_\_\_\_  
 Flush \_\_\_\_\_ Bbl. /Gal. \_\_\_\_\_  
 Treated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. \_\_\_\_\_  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. \_\_\_\_\_  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. \_\_\_\_\_  
 Actual Volume of Oil/Water to Load Hole: \_\_\_\_\_ Bbl. /Gal.  
 Pump Trucks. No. Used: Std. 320 Sp. \_\_\_\_\_ Twin \_\_\_\_\_  
 Auxiliary Equipment 135/310  
 Packer: \_\_\_\_\_ Set at \_\_\_\_\_ ft.  
 Auxiliary Tools \_\_\_\_\_  
 Plugging or Sealing Materials: Type \_\_\_\_\_

Company Representative John Becker Treater Nathan W.

TIME h.m/p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
8:15	27 1/2"	5 1/2"		On Location. Rig up.
:				Port collar @ 1738'
:				Pressure up on tool to 500#
:				Turn to open tool. Break circulation
:				w/ water @ 3 1/2 bpm @ 750#
:				Mix 450 sks. 60% w/oz. 4% gel. w/
:				1/4# per sack 16: seal. Cement circulated
:				to surface.
:				Displace w/ 7 bbls shut tool.
:				Pressure test to 1,000# OK.
:				Run 3 jts. Reverse out w/ 20 bbls.
:				Thank You!
:				Nathan W.

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 JAN 27 2010  
 KCC WICHITA

# COPELAND

Acid & Cement

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

**Invoice**

BURRTON, KS    GREAT BEND, KS  
 (620) 463-5161    (620) 793-3366  
 FAX (620) 463-2104    FAX (620) 793-3536

INVOICE NUMBER:  
**C36283-IN**

BILL TO:

WERTH EXPLORATION  
 1308 SCHWALLER AVE.  
 HAYS, KS 67601

LEASE: WORCHESTER 1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
12/31/2009	C36283		12/29/2009		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
60.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	3.00	180.00
60.00	MI	CEMENT MILEAGE PU TRUCK		0.00	1.00	60.00
1.00	EA	CEMENT PUMP CHARGE		0.00	900.00	900.00
450.00	SAX	60-40 POZ MIX 2% GEL		0.00	9.25	4,162.50
9.00	SAX	2% ADDITIONAL GEL		0.00	16.00	144.00
459.00	EA	BULK CHARGE		0.00	1.25	573.75
1,212.00	MI	BULK TRUCK - TON MILES		0.00	1.10	1,333.20
<b>REMIT TO:</b> P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		7,353.45
RECEIVED BY: _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		GRHCO Sales Tax:		58.95
		<b>NET 30 DAYS</b>		Invoice Total:		<u><u>7,412.40</u></u>

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**JAN 27 2010**  
**KCC WICHITA**

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

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

Gressel Oil Field Service, Inc. 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



# SWIFT



Services, Inc.

P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



## Invoice

DATE	INVOICE #
12/3/2009	16663

BILL TO
Werth Exploration Trust 1308 Schwaller Ave Hays, KS 67601-0533

Pd  
 12-15-09  
 acct# 4595 • Acidizing  
 # 9204 94 • Cement  
 Worcester M-1 • Tool Rental  
 Drilling  
 Exp

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	M #1	Worcestor	Graham	American Eagle D...	Oil	Development	LongString	Dave
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				60	Miles	5.00	300.00
578D-L	Pump Charge - Long String				1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
280	Flocheck 21				330	Gallon(s)	2.50	825.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				1	Each	55.00	55.00T
403-5	5 1/2" Cement Basket				1	Each	180.00	180.00T
404-5	5 1/2" Port Collar				1	Each	1,900.00	1,900.00T
325	Standard Cement				200	Sacks	11.00	2,200.00T
276	Flocele				50	Lb(s)	1.50	75.00T
283	Salt				1,000	Lb(s)	0.15	150.00T
284	Calseal				9	Sack(s)	30.00	270.00T
285	CFR-1				100	Lb(s)	4.00	400.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
583D	Drayage				625.5	Ton Miles	1.00	625.50
	Subtotal							8,800.50
	Sales Tax Graham County						6.55%	404.46

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 JAN 27 2010  
 KCC WICHITA

<b>Thank You For Your Business &amp;          Best Wishes For A Wonderful Holiday Season!!</b>	<b>Total</b>	<b>\$9,204.96</b>
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