

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September, 1999
Form Must Be Typed

ORIGINAL

Operator: License # 32334
 Name: Chesapeake Operating, Inc.
 Address: P. O. Box 18496
 City/State/Zip: Okla. City, OK 73154-0496
 Purchaser: Duke
 Operator Contact Person: Randy Gasaway
 Phone: (405) 848-8000
 Contractor Name: Murfin Drilling
 License: 30606
 Wellsite Geologist: Bud Walker, Geodynamic

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: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to _____
 Plug Back Plug Back Total Depth _____
 Commingled Docket No. CO 060301
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
 01/08/03 01/21/03 02/11/03
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
JUN 02 2003
ENHRS

API No. 15 - 025-21246 000 00
 County: Clark
S/2 NW NW Sec. 15 Twp. 35 S. R. 25 East West
976 feet from S / N (circle one) Line of Section
660 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: This Well #: 2-15
 Field Name: McKinney
 Producing Formation: Chester, Morrow
 Elevation: Ground: 1980 Kelly Bushing: 2009'
 Total Depth: 6097 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 805 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan 7-2-03
 (Data must be collected from the Reserve Pit)
 Chloride content 3500 ppm Fluid volume 300 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.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207B, 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: Barbara J Bale
 Title: Regulatory Analyst Date: 05/30/03
 Subscribed and sworn to before me this 30th day of May
2003
 Notary Public: Tamir R. Brody
 Date Commission Expires: April 17, 2007



KCC Office Use ONLY

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

Operator Name: Chesapeake Operating, Inc. Lease Name: Theis Well #: 2-15
 Sec. 15 Twp. 35 S. R. 25 East West County: Clark

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction, Density-Neutron, Microlog	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Heebner</td> <td>4388</td> <td>-2379</td> </tr> <tr> <td>Lansing</td> <td>4560</td> <td>-2551</td> </tr> <tr> <td>Marmaton</td> <td>5311</td> <td>-3302</td> </tr> <tr> <td>Cherokee Shale</td> <td>5464</td> <td>-3455</td> </tr> <tr> <td>Morrow Shale</td> <td>5770</td> <td>-3761</td> </tr> <tr> <td>Chester</td> <td>5822</td> <td>-3812</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Heebner	4388	-2379	Lansing	4560	-2551	Marmaton	5311	-3302	Cherokee Shale	5464	-3455	Morrow Shale	5770	-3761	Chester	5822	-3812
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CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surf	12-1/4	8-5/8	24#	805'	Cl C	375	3% cc 1/4# Flo Seal
Prod	7-7/8	4-1/2	11.6#	6097	Cl. H	480	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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
1	5868-5956 Chester	143, bbls of 50QDGA320 acid	
2	5815-5836' Morrow	Frac w/273 bbls frac fluid & 44,176 #'s 20/40 sand	

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>5791</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>02/11/03</u>		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>1100</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio <u>NA</u>	Gravity

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Morrow, Chester
 (If vented, Sumit ACO-18.) Other (Specify)

ALLIED CEMENTING CO., INC. 12544

Federal Tax I.D.# 48-0727860

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <u>1-20-03</u>	SEC. <u>15</u>	TWP. <u>35</u>	RANGE <u>25W</u>	CALLED OUT <u>10:30 AM</u>	ON LOCATION <u>12:15 PM</u>	JOB START <u>2:00 PM</u>	JOB FINISH <u>6:45 PM</u>
LEASE <u>Thru</u>			WELL # <u>2-15</u>	LOCATION <u>Englewood, South Edge</u>		COUNTY <u>Clark</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one) <u>NEW</u> <u>2 1/2" dia</u> <u>1 1/2"</u>							

CONTRACTOR <u>Muffin #21</u>	OWNER <u>Chrysopeke Open Co.</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>6100'</u>
CASING SIZE <u>4 1/2 x 11.6</u>	DEPTH <u>608'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1500</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.20</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>9.5</u>	<u>8bls</u> <u>4 1/2" KCL</u>
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Case</u>	
# <u>363-281</u>	HELPER <u>Steve Davis</u>
BULK TRUCK	
# <u>363-214</u>	DRIVER <u>Mark Hays</u>
BULK TRUCK	
#	DRIVER

CEMENT	AMOUNT ORDERED <u>19 Gal. claps</u>
<u>400</u>	<u>19 Gal. claps</u>
<u>250</u>	<u>240 Gal. mud-clean</u>
COMMON <u>4</u>	<u>400</u> @ <u>8.20</u> <u>3280.00</u>
POZMIX	@
<u>Claps</u>	<u>19 Gal</u> @ <u>22.00</u> <u>418.00</u>
CHLORIDE	@
<u>salt</u>	<u>43</u> @ <u>7.50</u> <u>322.50</u>
<u>Cyp-sol</u>	<u>38</u> @ <u>17.85</u> <u>678.30</u>
<u>Kol-sol</u>	<u>2400</u> @ <u>.50</u> <u>1200.00</u>
<u>FI-160</u>	<u>301</u> @ <u>8.00</u> <u>2408.00</u>
<u>mud-clean</u>	<u>840</u> @ <u>.75</u> <u>630.00</u>
HANDLING	<u>335</u> @ <u>1.10</u> <u>368.50</u>
MILEAGE	<u>335 x .04 x 70</u> <u>938.00</u>

TOTAL 11,040.40

REMARKS:

SERVICE

Run casing Break circulation
Pump 20 bls mud-clean Plug out
mouse hole w/ 30 rx bit mix + pump
380 sy glass of cement + additives
wash pump + lines Release plug
Displace with 9.5 bls 4 1/2" KCL
Release plug + float hole

DEPTH OF JOB <u>608'</u>	
PUMP TRUCK CHARGE	<u>1800.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>70</u>	@ <u>30.00</u> <u>210.00</u>
PLUG <u>Rubber</u>	@ <u>48.00</u> <u>48.00</u>
	@
	@

TOTAL 1858.00

CHARGE TO Chrysopeke Open Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

<u>8 7/8</u>	
<u>1-AFH Insert</u>	@ <u>242.00</u> <u>242.00</u>
<u>1-Basket</u>	@ <u>165.00</u> <u>165.00</u>
<u>3-Contrainers</u>	@ <u>33.00</u> <u>99.00</u>
	@
	@

TOTAL 506.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX	<u>-0-</u>
TOTAL CHARGE	<u>13,404.40</u>
DISCOUNT <u>2680.95</u>	IF PAID IN 30 DAYS
<u>NET 10,723.52</u>	
<u>Keith Hill</u>	

SIGNATURE _____

PRINTED NAME

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 02 2003

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

10842

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Med Lodge

DATE <u>1-9-03</u>	SEC. <u>15</u>	TWP. <u>35S</u>	RANGE <u>25W</u>	CALLED OUT <u>8:30 AM</u>	ON LOCATION <u>12:10 PM</u>	JOB START <u>3:50 PM</u>	JOB FINISH <u>4:45 PM</u>
LEASE <u>The's</u>	WELL # <u>2-15</u>	LOCATION <u>Englewood S/E Edge</u>	COUNTY <u>Clark</u>	STATE <u>Ks</u>			
OLD OR NEW (Circle one)		<u>1/0 W 25 5/8 IN 1 1/2</u>					

CONTRACTOR Martin #31
 TYPE OF JOB Surface
 HOLE SIZE 4 1/2 T.D. 805
 CASING SIZE 8 3/8 x 2 1/2 DEPTH 805
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL AFU Insert DEPTH 740
 PRES. MAX 900 MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 45
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 48 1/2 BBLs Fresh AB

OWNER Chesapeake Oper Co.
 CEMENT
 AMOUNT ORDERED 225 sx C 15-85-8
3/8 cc + 4# Flo-seal
150 sx C 3/8 cc
 COMMON C 150 @ 9.65 1447.50
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 13 @ 30.00 390.00
1# 15-85-8 @ 225 @ 9.45 2126.25
Flo-seal 56# @ 1.40 78.40
 HANDLING 404 @ 1.10 444.40
 MILEAGE 404 x 70 .84 1131.20

EQUIPMENT

PUMP TRUCK CEMENTER Justin Hart
 # 343 HELPER Mark Brungardt
 BULK TRUCK
 # 359-251 DRIVER Mark Haas
 BULK TRUCK
 # _____ DRIVER _____

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KANSAS CORPORATION COMMISSION

TOTAL 5617.75

JUN 02 2003

REMARKS:

Pipe on STM Drop Ball Break Circ
225 sx 15-85-8 @ 12.5# - 89 BBLs
150 sx C 3/8 cc @ 14.8# - 55 BBLs
Release Plug Disp 48 1/2 BBLs of
Fresh H₂O
Land Plug 300-900#
Release Press Float Held
etc cement

CONSERVATION DIVISION
WICHITA, KS

SERVICE

DEPTH OF JOB 805
 PUMP TRUCK CHARGE D-300 520.00
 EXTRA FOOTAGE 905 @ .150 252.50
 MILEAGE 70 @ 3.00 210.00
 PLUG 8 3/8 TRP @ 100.00

TOTAL 1082.50

CHARGE TO: Chesapeake Oper Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

4 1/2
Reg Guide Shoe @ 100.00 100.00
Bit Savers Collar @ 255.00 255.00
Stop Ring @ 15.00 15.00
15 Trenchers @ 40.00 600.00
8 3/8 1 Basket @ 180.00 180.00

TOTAL 1150.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 7850.25
 DISCOUNT 1570.05 IF PAID IN 30 DAYS

SIGNATURE Dot Lee

PRINTED NAME

Net \$ 6280.20