

**CONFIDENTIAL**

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: Oklahoma City, OK 73154-0496  
Purchaser: Duke  
Operator Contact Person: Randy Gasaway/Barbara Bale  
Phone: (405) 848-8000  
Contractor: Name: Murfin Drlg #20 KCC  
License: 30606  
Wellsite Geologist: Geodynamic JAN 5 2001

Designate Type of Completion: **CONFIDENTIAL**  
 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 Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

11/10/00 11/19/00 12/21/00  
Spud Date or Date Reached TD Completion Date  
Recompletion Date

API No. 15 - 025-21218-00-00  
County: Clark  
C NW Sec. 21 Twp. 34S S. R. 25  East  West  
1320 feet from S (N) (circle one) Line of Section  
1320 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Burns Well #: 1-21  
Field Name: McKinney  
Producing Formation: Chester  
Elevation: Ground: 2044' Kelly Bushing: 2055'  
Total Depth: 5850' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 825' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set NA Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan As I 4/4/01 AB  
(Data must be collected from the Reserve Pit)  
Chloride content 2000 ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: MAY 21 2002  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

RECORDED  
KANSAS CORPORATION COMMISSION  
JAN 18 2001

**RELEASED**

**FROM CONFIDENTIAL**

**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: Barbara J. Bale  
Title: Regulatory Analyst Date: 01/15/01  
Subscribed and sworn to before me this 15th day of January  
19 2001.  
Notary Public: [Signature]  
Date Commission Expires: 08-24-04

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

X

Operator Name: Chesapeake Operating, Inc. Lease Name: Burns Well #: 1-21  
 Sec. 21 Twp. 34 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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:  
 Reeves - CNS/PDS, DIS, MLS

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	4326'	-2271
Lansing	4482	-2427
Cherokee Shale	5342	-3287
Morrow Shale	5623	-3568
Chester	5642	-3587
RTD	5850'	-3795

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
Surface	12-1/4"	8-5/8"	24#	825'	Lite C1. C	275 150	
Production	7-7/8"	4-1/2"	11.6#	5850'	C1. H	400	

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
2	5717-5737' 41 shots	1000 gal 15% acid	

TUBING RECORD		Size 2-3/8"	Set At 5700'	Packer At None	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 12/21/2000			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. 0	Gas Mcf 15	Water Bbls. 60	Gas-Oil Ratio NA	Gravity NA

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify)

# ALLIED CEMENTING CO., INC.

4560

CONFIDENTIAL

Federal Tax I.D.# 48-0727860

KCC

ORIGINAL

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

JAN 15 2001

SERVICE POINT

*Med Lodge*

CONFIDENTIAL

DATE <i>11-11-00</i>	SEC <i>21</i>	TWP <i>34S</i>	RANGE <i>25 W</i>	CALLED OUT <i>11:00 P.m</i>	ON LOCATION <i>2:00 A.M</i>	JOB START <i>8:20</i>	JOB FINISH <i>9:05</i>
LEASE <i>BURNS</i>	WELL # <i>1-21</i>	LOCATION <i>160 #283 Jet 8s 4w</i>			COUNTY <i>Clark</i>	STATE <i>Ks.</i>	
OLD OR NEW (Circle one)			<i>westside of Haybarn</i>				

CONTRACTOR *Murphy Belg #22* OWNER *Chesapeake Oper Co.*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *825*

CASING SIZE *8 5/8* DEPTH *822*

TUBING SIZE DEPTH *2 7/8 CACL2 1/4 Flo-seal*

DRILL PIPE DEPTH *sls Class C Next 2 7/8 CACL2*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *40*

CEMENT LEFT IN CSG. *40 ft*

PERFS.

DISPLACEMENT *50 1/2 bbls*

### EQUIPMENT

PUMP TRUCK CEMENTER *LARRY STORM*

# *261-265* HELPER *MARK B.*

BULK TRUCK

# *353-251* DRIVER *DAVID F.*

BULK TRUCK

# DRIVER

CEMENT

AMOUNT ORDERED *275 sls 65/35 1 1/2*

*2 7/8 CACL2 1/4 Flo-seal*

*sls Class C Next 2 7/8 CACL2*

COMMON *Class C 150 sls @ 9.35 1402.50*

POZMIX *Lite 275 sls @ 7.05 1938.75*

GEL @

CHLORIDE *10 sls @ 28.00 280.00*

*Flo-seal 69 # @ 1.15 79.35*

@

HANDLING *449 @ 1.05 471.45*

MILEAGE *449 X 78 .04 1400.88*

RELEASED

TOTAL *5572.93*

MAY 21 2002

### REMARKS:

*Booker Cementation. Mined disks 65/35  
b 2 7/8 CACL2 1/4 Flo-seal filled with 150  
sls Class C next 3 7/8 CACL2 Displaced  
plug with 50 1/2 bbls - 400# lift. Pump  
plug to 750 lbs. Released most held.*

### FROM CONFIDENTIAL SERVICE

DEPTH OF JOB *825'*

PUMP TRUCK CHARGE *0-300' 470.00*

EXTRA FOOTAGE *525' @ .43 225.75*

MILEAGE *78 @ 3.00 234.00*

PLUG *1- 8 5/8 Rubber @ 90.00 90.00*

@

@

TOTAL *1019.75*

CHARGE TO: *Chesapeake Oper Co.*

STREET

CITY STATE ZIP

### FLOAT EQUIPMENT

*4 1/2"*  
1- GUIDE SNARE @ *125.00 125.00*

1- AFD FLOAT COLLAR @ *245.00 245.00*

1- STOP RING @ *20.00 20.00*

15- TURBO CENTRALIZERS @ *55.00 825.00*

@

TOTAL *1215.00*

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 *7807.68*

DISCOUNT *780.77* IF PAID IN 30 DAYS

SIGNATURE: *Kevin Cliff*

*7026.91*  
*Kevin Cliff*

PRINTED NAME

# ALLIED CEMENTING CO., INC. <sup>4566</sup> CONFIDENTIAL ORIGINAL

Federal Tax I.D.# 48-0727860 KCC

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

JAN 15 2001

SERVICE POINT:  
Med Lodge

DATE <u>11-18-00</u>	SEC. <u>21</u>	TWP. <u>34S</u>	RANGE <u>25W</u>	CALL TIME <u>9:00</u>	LOCATION <u>1:30 AM</u>	JOB START <u>6:00</u>	JOB FINISH <u>7:30 AM</u>
LEASE <u>Buens</u>	WELL.# <u>1-21</u>	LOCATION <u>160 # 283 Jet 85-4W</u>			COUNTY <u>Clark</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>west side of Haybarn</u>					

CONTRACTOR Murphy Delg #22

TYPE OF JOB PRDD Log

HOLE SIZE 7 7/8 T.D. 5850

CASING SIZE 4 1/2 x 11.60 DEPTH 5849

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 42

CEMENT LEFT IN CSG. 42 ft

PERFS. \_\_\_\_\_

DISPLACEMENT 90.5 bbls

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Larry Storm

# 356-302 HELPER David West

BULK TRUCK \_\_\_\_\_

# 240-250 DRIVER Jason

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER Chesapeake Oper. Co.

CEMENT

AMOUNT ORDERED 400 sks H 65/35:6 + 8% FL-10 + 10% SALT + 2 1/2 lb Koh-Seal + 4 lb Flo-Seal

COMMON	@		
POZMIX H 400 sks	@	<u>7.50</u>	<u>3000.00</u>
GEL	@		
GEORDE Mud Clean 840	@	<u>.75</u>	<u>630.00</u>
Salt 50	@	<u>7.00</u>	<u>350.00</u>
Flo-Seal 100#	@	<u>1.15</u>	<u>115.00</u>
FL-10 278#	@	<u>8.00</u>	<u>2224.00</u>
Koh-Seal 1000#	@	<u>.38</u>	<u>380.00</u>
CLAPRD 18 gals	@	<u>22.90</u>	<u>412.20</u>
HANDLING 491	@	<u>1.05</u>	<u>515.55</u>
MILEAGE 491 x 78		<u>.04</u>	<u>1531.92</u>

RELEASED

TOTAL 9158.67

MAY 21 2002

REMARKS:

FROM CONFIDENTIAL SERVICE

Broke circulation with 40 Jts out  
circulated well for minutes  
mixed 400 sks H 65/35:6 + 8%  
FL-10 + 10% salt + 2 1/2 lb Koh-seal +  
4 lb Flo-seal - displaced plug with  
4% KCl water - 90.5 bbls, mixed  
plug at 1500 # float held.

DEPTH OF JOB <u>5849'</u>		
PUMP TRUCK CHARGE		<u>1378.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>78</u>	@	<u>3.00</u> <u>234.00</u>
PLUG <u>1-4 1/2 TRP</u>	@	<u>38.00</u> <u>38.00</u>
	@	
	@	

TOTAL 1650.00

CHARGE TO: Chesapeake Oper. Co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

<u>1-4 1/2 Guide Shoe</u>	@	<u>125.00</u>	<u>125.00</u>
<u>1-4 1/2 Float Collar</u>	@	<u>245.00</u>	<u>245.00</u>
<u>15-4 1/2 Turbo Cent.</u>	@	<u>55.00</u>	<u>825.00</u>
<u>1- Stop Ring</u>	@	<u>20.00</u>	<u>20.00</u>
	@		

TOTAL 1215.00

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TAX \_\_\_\_\_

TOTAL CHARGE 12023.67

DISCOUNT 1202.37 IF PAID IN 30 DAYS

10,821.30

John Tracy  
 PRINTED NAME

SIGNATURE John Tracy