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5/13/02
MAY 13 2002

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

KCC WICHITA

Operator: License # 9449
 Name: Great Eastern Energy and Development
 Address: P.O. Drawer 150
 City/State/Zip: Bogue, Kansas 67625
 Purchaser: NCRA
 Operator Contact Person: Michael A. Davignon
 Phone: (785) 623-7520
 Contractor: Name: _____
 License: _____
 Wellsite Geologist: _____
 Designate Type of Completion:
 _____ New Well _____ Re-Entry Workover
 _____ Oil SWD _____ SLOW _____ Temp. Abd.
 _____ Gas _____ ENHR _____ SIGW
 _____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: M. L. Brown
 Well Name: Copeland
 Original Comp. Date: 1948 Original Total Depth: 3891
 _____ Deepening _____ Re-perf. Conv. to Enhr./SWD
 Plug Back 3845 Plug Back Total Depth _____
 _____ Commingled _____ Docket No. _____
 _____ Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. D-27,993

<u>5/1/02</u>	<u>5/8/02/</u>	<u>5/8/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-D2246-0001
 County: Rooks
C SW NW SW Sec. 19 Twp. 9 S. R. 20 East West
1650 south feet from (S) N (circle one) Line of Section
4950 east feet from (E) W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Copeland Well #: 2
 Field Name: _____
 Producing Formation: Arbuckle
 Elevation: Ground: _____ Kelly Bushing: _____
 Total Depth: 3891 Plug Back Total Depth: 3845
 Amount of Surface Pipe Set and Cemented at 1783 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 1783
 feet depth to surface w/ 800 sx cmt.

Drilling Fluid Management Plan Workover on 10.9.03
 (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.: _____

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: [Signature]
 Title: Agent Date: 5-9-02
 Subscribed and sworn to before me this 9th day of May,
2002.
 Notary Public: Michelle Long
 Date Commission Expires: 3-21-2006

NOTARY PUBLIC - State of Kansas
 MICHELLE LONG
 My Appt. Exp. 3-21-06

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

✓

X

ORIGINAL

Operator Name: Great Eastern Energy and Development Lease Name: Copeland Well #: 2
 Sec. 19 Twp. 9 S. R. 20 East West County: Rooks

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken 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:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Log Name</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Top Datum</td> </tr> <tr> <td>Lansing-Kansas City</td> <td>3520</td> <td style="text-align: center;">-1265</td> </tr> <tr> <td>Arbuckle</td> <td>3800</td> <td style="text-align: center;">-1535</td> </tr> </table>	Log Name	Formation (Top), Depth and Datum	Sample			Top Datum	Lansing-Kansas City	3520	-1265	Arbuckle	3800	-1535
Log Name	Formation (Top), Depth and Datum	Sample											
		Top Datum											
Lansing-Kansas City	3520	-1265											
Arbuckle	3800	-1535											

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KCC WICHITA

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		8 5/8"	32	1783	Common	800	
Production		5 1/2"	18	3879	Common	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone	Depth Top Bottom 3810	Type of Cement Common	#Sacks Used 250	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	3453 to 3810	Squeeze with 250 sacks	3810

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No	
		2 7/8"	3802	3800		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Date of First, Resumed Production, SWD or Enhr. 5/10/02			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity			

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.

1060 ORIGINAL

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

SERVICE POINT: 3

DATE: <u>4-19-02</u>	SIC: _____	TWP: _____	RANGE: _____	CALLED OUT: _____	ON LOCATION: <u>10:00am</u>	JOB START: _____	JOB FINISH: _____
LEASE <u>Copeland</u> WELL # <u>2</u>		LOCATION: <u>Palco 2w</u>		COUNTY: <u>Rock</u>	STATE: <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR <u>Munson</u>		OWNER _____	
TYPE OF JOB <u>squeeze</u>		CEMENT AMOUNT ORDERED <u>250 con</u>	
HOLE SIZE _____	T.D. _____	COMMON <u>250</u> @ <u>6.45</u> <u>1612.50</u>	
CASING SIZE <u>5 1/2</u>	DEPTH _____	POZMIX _____	_____
TUBING SIZE <u>2</u>	DEPTH _____	GEL _____	_____
DRILL PIPE _____	DEPTH _____	CHLORIDE _____	_____
TOOL <u>X-act</u>	DEPTH _____	_____	_____
PRES. MAX _____	MINIMUM _____	_____	_____
MEAS. LINE _____	SHOP JOINT _____	_____	_____
CEMENT LEFT IN CSG _____		_____	_____
PERFS. _____		_____	_____
DISPLACEMENT _____		_____	_____
EQUIPMENT			
PUMP TRUCK # <u>316</u>	CEMENTER <u>Munson</u>	HANDLING <u>250</u>	@ <u>1.15</u> <u>287.50</u>
BULK TRUCK # <u>213</u>	HELPER <u>Dave</u>	MILEAGE <u>145</u>	@ <u>1.15</u> <u>165.75</u>
BULK TRUCK # _____	DRIVER <u>Shawn</u>	TOTAL	<u>2337.75</u>

REMARKS:

Drill to 3411 ft. 4-19-02. 24-3. Residual
behead to 500' took note on tubing
466 ft. to 600' cement 150 w/ 2" 5/8" 5/8"
squeezed to 1500' washed tubing clean
Residual to 1600' pulled back

SERVICE

DEPTH OF JOB _____	PUMP TRUCK CHARGE _____	EXTRA FOOTAGE _____	MILEAGE <u>142</u> @ <u>3.00</u> <u>426.00</u>	PLUG _____
TOTAL <u>756.00</u>				

CHARGE TO: Great Eastern
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
TOTAL _____			

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 _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE _____

PRINTED NAME _____

RECEIVED
 MAY 13 2002
 KCC WICHITA

ALLIED CEMENTING CO., INC.

0453
ORIGINAL

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

SERVICE POINT: Russell

DATE <u>5-3-02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>3:00 PM</u>	JOB START <u>3:15 PM</u>	JOB FINISH <u>6:15 PM</u>
LEASE <u>Capeand</u>	WELL# <u>2 SWD</u>	LOCATION <u>Palco 2nd 1/2m 4 E</u>			COUNTY <u>Rooks</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MOREN DRIG. Co.
 TYPE OF JOB ARB. Squeeze
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 7/8 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL X-9207 DEPTH 3942'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. (2) 3802-3810
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 50 SK Com
20# Cemad
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
Cemad _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

EQUIPMENT
 PUMP TRUCK CEMENTER Paul
 # 345 HELPER Glenn
 BULK TRUCK
 # 282 DRIVER Shane
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Spot 1884 15% All @ 3812'
Disc. 1434 BBL Packed to 3782'
* Set packer, took in 7 on Rte
of 2 1/2 BBL @ 1000#, mixed 20s
Cement # Cemad & Amstar 30 SK
3 straight Com. Squipped to 3000'
Raised Press. & Squeeze Hold.
washed CSG Chan. Packed 3 ITS
WAT @ 30 m.n. Pktd to 300# (H.O) shut in.

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

CHARGE TO: GREAT EASTERN THANKS!
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

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RECEIVED
 MAY 13 2002
 KCC WICHITA

SIGNATURE _____
 PRINTED NAME _____