

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

2/7/10
Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33069
 Name: Encore Operating Company
 Address: P. O. Box 27710
 City/State/Zip: Denver, CO 80227
 Purchaser: N/A
 Operator Contact Person: Jay Johnson
 Phone: (303) 595-9251
 Contractor: Name: Duke Drilling Co., Inc.
 License: 5929
 Wellsite Geologist: Kim Shoemaker
 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 Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
 01/14/08 01/25/08
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

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API No. 15 - 101-22067-0000
 County: Lane
SW NE NW Sec. 21 Twp. 16 S. R. 27 East West
1,260 feet from S / (circle one) Line of Section
1,650 feet from E / (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: WR Herl Trust Well #: 3-21
 Field Name: Pendennis North
 Producing Formation: N/A
 Elevation: Ground: 2,671' Kelly Bushing: 2,680'
 Total Depth: 4,620' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 266 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
 Drilling Fluid Management Plan PA 150-9-09
 (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: _____
 Title: President Date: 02/07/08
 Subscribed and sworn to before me this 7th day of February
2008
 Notary Public: Kim Bilem
 Date Commission Expires: 12/10/2010

KIM BILEM
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 12/10/2010

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

Operator Name: Encore Operating Company Lease Name: WR Herl Trust Well #: 3-21
 Sec. 21 Twp. 16 S. R. 27 East West County: Lane

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 type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input 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, Sonic, Microlog	<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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Annhydrite</td> <td>2,096'</td> <td>+584'</td> </tr> <tr> <td>Heebner</td> <td>3,910'</td> <td>-1,230'</td> </tr> <tr> <td>Lansing</td> <td>3,949'</td> <td>-1,269'</td> </tr> <tr> <td>Cherokee</td> <td>4,476'</td> <td>-1,796'</td> </tr> <tr> <td>Mississippi</td> <td>4,570'</td> <td>-1,890'</td> </tr> </table>	Name	Top	Datum	Annhydrite	2,096'	+584'	Heebner	3,910'	-1,230'	Lansing	3,949'	-1,269'	Cherokee	4,476'	-1,796'	Mississippi	4,570'	-1,890'
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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	12-1/4"	8-5/8"	24#	266	Common	165	3% CaCl, 2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth
	RECEIVED		
	FEB 11 2008		
	KCC WICHITA		

TUBING RECORD	Size	Set At	Factor At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	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 <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

ALLIED CEMENTING CO., INC.

31042

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

SERVICE POINT:

Mass City

DATE <u>1-14-08</u>	SEC. <u>21</u>	TWP <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>4:00 PM</u>	ON LOCATION <u>7:30 PM</u>	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>Herl trust</u>	WELL # <u>3-21</u>	LOCATION <u>Penndennis, 1E, 1N, E/3</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Duke #4 OWNER Encore Operating Co.

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 267' CEMENT AMOUNT ORDERED 160 sk Common 3% CC

CASING SIZE 8 3/4" DEPTH 266' RECEIVED FEB 11 2008

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 200# MINIMUM EXCC WICHITA COMMON 160 sk @ 12.30 1968.00

MEAS. LINE SHOE JOINT 15' POZMIX @

CEMENT LEFT IN CSG. 15' GEL 3 sk @ 18.40 55.20

PERFS. CHLORIDE 5 sk @ 51.50 257.50

DISPLACEMENT 15.98 SBLW of freshwater ASC @

EQUIPMENT HANDLING 160 sk @ 2.10 352.80

PUMP TRUCK CEMENTER Lick H. MILEAGE 160 sk 09 @ 40 604.80

224 HELPER Steve T. TOTAL 3238.30

BULK TRUCK DRIVER Gailen D.

DRIVER

REMARKS:

pipe on bottom, broke circulation, mixed 160 x Common 3% CC 2% Gel. Shut down Released plug + displaced with 15.98 SBLW of freshwater, and shut in. Rigged down.

Cement did circulate,

SERVICE

DEPTH OF JOB 266'

PUMP TRUCK CHARGE 900.00

EXTRA FOOTAGE @

MILEAGE 40 @ 7.00 280.00

MANIFOLD Head Rent @ 111.00 111.00

TOTAL 1296.00

CHARGE TO: Encore Operating Co.

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1- Wooden plug 67.00 67.00

TOTAL 67.00

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

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Rich Wheeler

Rich Wheeler

PRINTED NAME

No COPY

Copy left on Rig