

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

Operator: License # 32621
Name: Key Production Co., Inc.
Address: 15 W 5th, Ste 1000
City/State/Zip: Tulsa, OK 74103
Purchaser: Duke Energy
Operator Contact Person: Michelle Farrell
Phone: (918) 585-1100
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: None

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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: _____
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. _____

<u>9/26/03</u>	<u>10/4/03</u>	<u>10/31/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 071.20710.00.00
County: Greeley
W/2 NE Sec. 2 Twp. 18 S. R. 40 East West
1320 feet from S / (N) (circle one) Line of Section
1905 feet from (E) / W (circle one) Line of Section

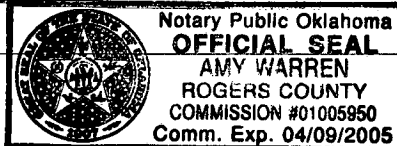
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Byerly Well #: 3X
Field Name: Byerly
Producing Formation: Towanda, U Ft Riley
Elevation: Ground: 3556' Kelly Bushing: 3562'
Total Depth: 3140' Plug Back Total Depth: 3082'
Amount of Surface Pipe Set and Cemented at 1734' 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 ALT# 2 KGR 6/12/07
(Data must be collected from the Reserve Pit)
Chloride content est 2000 ppm Fluid volume est 1000 bbls
Dewatering method used Evaporation
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: Michelle Farrell
Title: Drilling Tech Date: 1/17/04
Subscribed and sworn to before me this 20th day of January,
2004.
Notary Public: Amy Warren
Date Commission Expires: _____



KCC Office Use ONLY

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

Operator Name: Key Production Co., Inc. Lease Name: Byerly Well #: 3X
 Sec. 2 Twp. 18 S. R. 40 East West County: Greeley

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)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

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List All E. Logs Run:

Dual Spaced Neutron

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"	23#	1734'	Class C	900	3% CaC12
Production	7 5/8"	5 1/2"	14#	3139'	HLC	390	HLC & 50/50 P0Z

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 checked="" type="checkbox"/> Plug Off Zone	0' - 631'	Premium	93	2% CC, 4% Cal seal, 1/4# FC, .5%, Halad 322

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	2908'-2930'; 2938'-2943'	Frac - 14952 gals WF125, 17020 lbs 16/30 sand	2908-2943

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2888'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
11/11/03		<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	60	110		

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____

DRILLER'S LOG

ORIGINAL

CIMAREX ENERGY COMPANY
BYERLY 3X
SECTION 2-T18S-R40W
GREELEY COUNTY, KANSAS

COMMENCED: 09-26-03
COMPLETED: 10-04-03

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SURFACE CASING: 1726' OF 8 5/8" CMTD
W/750 SKS PREMIUM PLUS LITE + 3% CC +
1/4#/SK FLOCELE. TAILED W/150 SKS COMM
+ 3% CC.

FORMATION

DEPTH

SURFACE HOLE
RED BED
LIMESTONE & SHALE

0- 1730
1730 - 2415
2415 - 3140 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.



WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21ST DAY OF NOVEMBER, 2003.

JOLENE K. RUSSELL


NOTARY PUBLIC

ALLIED CEMENTING CO., INC. 14857 ORIGINAL

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY

DATE 29-03	SEC. 2	TWP. 185	RANGE 40W	CALLED OUT	ON LOCATION 5:00 PM	JOB START 12:00 AM	JOB FINISH 1:15 AM
LEASE BYERLY	WELL.# 3X	LOCATION TRIBUNE 3N-4E-1N-1W			COUNTY GREELEY	STATE KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR CHEYENNE DRILL RIG #8
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4" T.D. 1730'
 CASING SIZE 8 7/8" DEPTH 1734'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ DEPTH _____
 MEAS. LINE _____ MINIMUM _____
 CEMENT LEFT IN CSG. _____ SHOE JOINT 45.72'
 PERFS. _____ 15.77'
 DISPLACEMENT 107 1/2 BBL.

OWNER SAME
 CEMENT AMOUNT ORDERED 150 SKS COM 3% CC
750 SKS LITE 3% CC 1/2" FLO-SEAL

COMMON 150 SKS	@ 7.85	1177.50
POZMIX	@	
GEL	@	
CHLORIDE 29 SKS	@ 30.00	870.00
LITE 750 SKS	@ 6.95	5212.50
FLO-SEAL 188#	@ 1.40	263.20
HANDLING 900 SKS	@ 1.10	990.00
MILEAGE 0.54 PER SK/mile		2200.00

EQUIPMENT

PUMP TRUCK # 300	CEMENTER <u>TERRY</u>
BULK TRUCK # 361	HELPER <u>FUZZY</u>
BULK TRUCK # 347	DRIVER <u>LONNIE</u>
	DRIVER <u>LARRY</u>

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TOTAL ~~12,200.00~~
11,213.20

KCC WICHITA SERVICE

DEPTH OF JOB	1734'	
PUMP TRUCK CHARGE		1130.00
EXTRA FOOTAGE		
MILEAGE 75 ME	@ 3.50	262.50
PLUG 8 7/8 RUBBER	@	100.00

TOTAL 1492.50

FLOAT EQUIPMENT

1- T.P. Guide Shoes	@	265.00
1- AFU INSERT	@	325.00
3- CENTRALIZERS	@ 55	165.00
TOTAL		755.00

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

PRINTED NAME

REMARKS:

MEY 750 SKS LITE 3% CC 1/2" FLO-SEAL
150 SKS COM 3% CC + DISPLACE
WITH 107 1/2 BBL WATER
DISPLACED 70 BBL CEMENT TO GET
FLOAT HELD

THANK YOU

CHARGE TO: CHEYENNE DRILL
 STREET _____
 CITY _____ STATE _____ ZIP _____

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.

SIGNATURE [Signature]

ORIGINAL

2003-Sep-25

Hamberger

Service Order

Customer CIMAREX ENERGY CO.		Person Taking Call Apisitsarekul, Prayut		Dowell Location Perryton, TX		Order Date 2003-Sep-18	Job Number 2205543696	
Well Name and Number BYERLY 3-X		Legal Location	Field	County GREELEY		State/Province KANSAS		
Well Master: 0690533084		API / UWI:						
Rig Name CHEYENNE 8		Well Age New	Sales Engineer Wetsel, Torrey		Job Type Cern Prod Casing			
Time Well Ready: 9/18/2003	Deviation °	BK Size 7.88 in	Well MD 3,100 ft	Well TVD 3,100 ft	BHP psi	BHST °F	BHCT °F	
Trust Down Casing	Packer Type	Packer Depth ft	Wellhead Connection 5 1/2" HS&M	HHP on Location	Max Allowed Pressure	Max Allowed Ann Pressure		
Casing				Services Instructions: Cement 5 1/2" Production Casing using LEAD: 85 SKS of Panhandle Lite + Additives. TAIL: 150 SKS of C + Additives				
Depth, ft	Size, in	Weight, lb/ft	Grade					Thread
3100	5.5	14	J55					STC
Tubing				Extra Equipment: 1 ABT 1 PUMP 1 CemCAT				
Depth,	Size, in	Weight, lb/ft	Grade					Thread
Perforated Intervals								
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval				
				ft				
				Diameter				
				in				
Expected On Location: 9/18/2003				Ready To Pump: 9/18/2003				

Contact	Voice	Mobile	FAX	Notes
Gary @ Cimarex	918-2951778			

Notes:
 BRING 1 TOP PLUG == 1 CEMENT BASKETS (5 1/2") == 1 Guide Shoe == 1 Auto Fill Float Collar == 10 Turbolizers == 1 Thread Lock

Directions:
 Need Directions

Other Notes:
 JULY 2003 PRICEBOOK == 56% DISCOUNT
 FOLLOW ALL CONVOY POLICIES AND STAY IN THE GREEN!!!!

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