

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

Operator: License # 33094
Name: Cimarex Energy Co.
Address: 1437 S. Boulder Suite 1300
City/State/Zip: Tulsa, OK 74119
Purchaser: _____
Operator Contact Person: Sharon LaValley
Phone: (918) 525-1100
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: _____
Designate Type of Completion:
 New Well Re-Entry X Workover
 X 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: Cimarex Energy Co.
Well Name: USA B-4
Original Comp. Date: 2-16-02 Original Total Depth: 6200'
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 X Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
 09/03/02 09/05/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 093-21693
County: Kearny
 - SE - SW - SE Sec. 14 Twp. 26 S. R. 35 ☐ East ☒ West
 330 feet from (S) N (circle one) Line of Section
 1440 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
Lease Name: USA Well #: B-4
Field Name: Pleasant Prairie
Producing Formation: St. Louis
Elevation: Ground: 2998' Kelly Bushing: 3009'
Total Depth: 6200' Plug Back Total Depth: 5271'
Amount of Surface Pipe Set and Cemented at 1868 Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 3060 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the reserve pit)

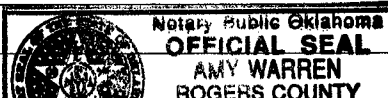
Chloride content 6000 ppm Fluid volume ext 2000 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____

Operator Name: K&L Tank Truck Service
Lease Name: Morris B1 SWD License No.: 8757
Quarter Sec. 19 Twp. 24 S. R. 31 ☐ East ☒ West
County: Finney Docket No.: D16812

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 completed and correct to the best of my knowledge.

Signature: Sharon LaValley
Title: Engineer Tech Date: 10/14/02
Subscribed and sworn to before me this 14th day of October,
2002.
Notary Public: Amy Warren
Date Commission Expires: 4/9/05



KCC Office Use Only

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

Operator Name: Helmerich & Payne, Inc. Lease Name: USA Well #: B-4Sec. 14 Twp. 26 S. R. 35 ☐ East ☒ West County: Kearny

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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Stone Corral	1876'	
Winfield	2566'	
Heebner	3833'	
Lansing	3883'	
Kansas City	4280'	
Atoka	4816'	
Morrow	4890'	
St. Gen	4998'	
St. Louis	5068'	

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	12 1/4"	8 5/8"	24#	1868	35/65 LP3 Class G	640	6% D20 Bent + 2% Sq CaCl + 1/4#/sx D25 Flocele
					Class C	150	2% S1CaCl + 1/4# /sx Flocele
Production	5 1/2"	7 7/8"	14#	5342	50/50 Poz Prem	400	5% CaCl 60 + .5% Halad-322 + 10% Slt + 5 ppg gilsonite
					MidCon2 Prem Plus	210	2% CaCl2 + 1/8 ppg Poly-E-Flake

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				

Shot Per Foot	PERFORATIONS 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	Lansing F 4141-4147				
4	St. Louis "B" 5070-5074				
4	St. Louis "C" 5129-5133				
TUBING RECORD		Size 2 7/8"	Set At 5166	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 09/08/02		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 11	Gas Mcf	Water Bbls 55	Gas-Oil Ratio	Gravity

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☒ Vented ☐ Sold ☐ Used on Lease
(If Vented, Submit ACO-18)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled 4141-5133
☐ Other (Specify) _____