

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

OPERATOR: License # 33712  
Name: Clark Energy  
Address 1: 1198 Rd. 31  
Address 2: \_\_\_\_\_  
City: Havana State: KS Zip: 67347 + 9105  
Contact Person: Randy Clark  
Phone: ( 620 ) 330-2110  
CONTRACTOR: License # 5831  
Name: Mokat  
Wellsite Geologist: Julie Shaffer  
Purchaser: Postrock

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: N/A

Well Name: N/A

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>9-25-10</u>	<u>9-27-10</u>	<u>10-11-10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-125-31919-5000  
Spot Description: \_\_\_\_\_  
NE SE NW NW Sec. 23 Twp. 33 S. R. 13  East  West  
4,445 Feet from  North /  South Line of Section  
4,255 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Chautauqua  
Lease Name: Viking Well #: 23-1  
Field Name: Cherokee Basin  
Producing Formation: Hushpuckney  
Elevation: Ground: 938 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1712 Plug Back Total Depth: N/A  
Amount of Surface Pipe Set and Cemented at: 21 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: N/A Feet  
If Alternate II completion, cement circulated from: 1712  
feet depth to: Surface w/ 185 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: N/A ppm Fluid volume: N/A bbls  
Dewatering method used: N/A  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

**AFFIDAVIT**

I am the affiant and I hereby certify that 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: Randy W. Clark  
Title: Manager Date: 10-17-11

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 10/21/11

**RECEIVED**  
**OCT 20 2011**

**KCC WICHITA**

Operator Name: Clark Energy Lease Name: Viking Well #: 23-1  
 Sec. 23 Twp. 33 S. R. 13  East  West County: Chautauqua

**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 complete copy of all Electric Wire-line 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Comp. Density, Comp. Neutron, Dual Induction</b>	<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>Altamont</td> <td>952</td> <td>-14</td> </tr> <tr> <td>Pawnee</td> <td>1100</td> <td>-162</td> </tr> <tr> <td>Oswego</td> <td>1205</td> <td>-267</td> </tr> <tr> <td>Mississippi</td> <td>1648</td> <td>-710</td> </tr> </table>	Name	Top	Datum	Altamont	952	-14	Pawnee	1100	-162	Oswego	1205	-267	Mississippi	1648	-710
Name	Top	Datum														
Altamont	952	-14														
Pawnee	1100	-162														
Oswego	1205	-267														
Mississippi	1648	-710														

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'	8 5/8	19.5	21.0	Class A	8	
Casing	6.75	4.5	10.5	1712	Thick Set	185	

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
2	765-770	300 gal. acid and 800 lbs. sand w/ 500bbls water	765-770

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>775</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: _____	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. <u>0</u> Gas Mcf <u>7</u> Water Bbls. <u>35</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>765-770</u>
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 OCT 20 2011  
 KCC WICHITA



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 236888

Invoice Date: 09/28/2010 Terms: 10/10,n/30

Page 1

CLARK ENERGY  
1198 RD 31  
HAVANA KS 67347  
( ) -

VIKING 23-1  
27944  
09/27/10

Part Number	Description	Qty	Unit Price	Total
1126A	THICK SET CEMENT	180.00	17.0000	3060.00
1107A	Q	80.00	1.1500	92.00
1110A	KOL SEAL (50# BAG)	900.00	.4200	378.00
1118B	PREMIUM GEL / BENTONITE	150.00	.2000	30.00
1123	CITY WATER	5460.00	.0149	81.35
4404	4 1/2" RUBBER PLUG	1.00	45.0000	45.00

Description	Hours	Unit Price	Total
398 CEMENT PUMP	1.00	925.00	925.00
398 EQUIPMENT MILEAGE (ONE WAY)	45.00	3.65	164.25
398 CASING FOOTAGE	1707.00	.20	341.40
T-90 WATER TRANSPORT (CEMENT)	5.00	112.00	560.00
NUNNE WATER TRANSPORT (CEMENT)	5.00	112.00	560.00
518 MIN. BULK DELIVERY	1.00	315.00	315.00

*PD 10-4-10  
# 2561*

*(B)*

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MAY 24 2011

KCC WICHITA

Amount Due 6105.83 if paid before 10/08/2010

Parts:	3686.35	Freight:	.00	Tax:	232.25	AR	6784.25
Labor:	.00	Misc:	.00	Total:	6784.25		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

ELDORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

GILLETTE, WY  
307/686-4914

MCALISTER, OK  
918/426-7667

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

WORLAND, WY  
307/347-4577

Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

Date Started	9/22/2010
Date Completed	9/24/2010

Well No.	Operator	Lease	A.P.I.#	County	State
23-1	Clark Energy, LLC	Viking	15-125-31919-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			23	33	13E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Sean	Oil	4	22' 8 5/8	1712	6 3/4

### Formation Record

0-2	DIRT	971-979	SHALE	1358-1377	SANDY SHALE
2-34	SAND	979-988	LIME	1377-1390	SAND
34-79	SHALE	988-1024	SAND	1390-1401	SHALE
79-90	SAND	1024-1038	SANDY SHALE	1401-1402	COAL
90-115	SANDY SHALE	1038-1070	SAND	1402-1410	SHALE
115-137	SAND	1070-1081	SANDY SHALE	1410-1430	SANDY SHALE
137-281	SHALE	1081-1099	SHALE	1430-1638	SHALE
281-290	LIME	1099-1119	LIME (PAWNEE)	1638-1645	LIME (MISSISSIPPI)
290-340	SHALE	1119-1122	SHALE	1645-1712	SANDY LIME
340-420	SAND (WET)	1122-1127	BLK SHALE (LEXINGTON)	1712	TD
360	WENT TO WATER	1127-1205	SHALE		
420-491	SHALE	1136	GAS TEST - SAME		
491-493	LIME	1205-1235	LIME (OSWEGO)		
493-587	SHALE	1235-1245	BLK SHALE (SUMMIT)		
587-595	SAND	1237	GAS TEST-4#,1/4",MCF-18.5		
595-596	COAL	1245-1251	LIME		
596-623	SAND	1251-1256	SHALE		
623-743	SHALE	1256-1268	LIME		
743-752	LIME	1268-1275	BLACK SHALE		
752-759	SHALE	1275-1285	LIME		
760	GAS TEST - NO GAS	1285-1292	SHALE		RECEIVED
759-769	BLACK SHALE	1287	GAS TEST - SAME		MAY 24 2011
769-773	SHALE	1292-1293	COAL		
773-790	SAND	1293-1311	SHALE		KCC WICHITA
790-889	SHALE	1311-1313	LIME		
836	GAS TEST-SLIGHT BLOW	1313-1315	SHALE		
889-901	LIME	1315-1316	COAL		
901-920	SAND	1316-1330	SAND		
920-952	SANDY SHALE	1330-1347	SHALE		
952-971	LIME	1347-1358	SAND		