

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- ~~13525-773~~ 135-23773-00-00

County Ness

NW NW SE \_\_\_\_\_ Sec 34 Twp 18 Rge 25 X W

2310 Feet from S /N (circle one) Line of Section

2310 Feet from E /W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE SE NW or NE (circle one)

Lease Name Spruill "E" Well # A #1

Field Name unnamed

Producing Formation Miss

Elevation: Ground 2386 KB 2391

Total Depth 4405 PBDT 4405

Amount of Surface Pipe Set and Cemented at 219 Feet

Multiple Stage Cementing Collar Used? X Yes \_\_\_\_\_ No

If yes, show depth set 1688 Feet

If Alternate II completion, cement circulated from 1688

feet depth to Surface w/ 325 sx cmt

Drilling Fluid Management Plan ACT II 6-27-94  
(Data must be collected from the Reserve Pit)

Chloride Content \_\_\_\_\_ ppm Fluid volume 560 bbls

Dewatering method used Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 5011

Name: Viking Resources, Inc.

Address: 105 S. Broadway, Ste 1040

City/State/Zip: Wichita, KS 67202-4224

Purchaser: NCRA

Operator Contact Person: Shawn Devlin

Phone: (316) 262-2502

Contractor: Name: Mallard, JV, Inc

License: 4958

Wellsite Geologist: Robert Patton  
Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ 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: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD

\_\_\_\_\_ Plug Back \_\_\_\_\_ PBDT

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

8/26/93 9/1/93 9/17/93  
Spud Date Date reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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]

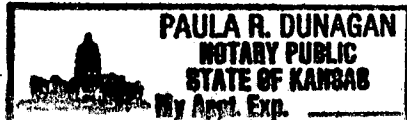
Title Vice President Date 6/9/94

Subscribed and sworn to before me this 9th day of June

19 94

Notary Public Paula R. Dunagan

Date Commission Expires March 2, 1997



K.C. OFFICE USE ONLY  
F \_\_\_\_\_ Letter of Confidentiality Attached  
C \_\_\_\_\_ Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received  
JUN 14 1994  
KANSAS CORPORATION COMMISSION  
1 CONSERVATION DIVISION  
KCC Plug \_\_\_\_\_ NGPA  
KGS Wichita, Kansas \_\_\_\_\_ Other (Specify)

Operator Name Viking Resources, Inc.

Lease Name Spruill

Well # \_\_\_\_\_

A #1

Sec 34 Twp 18 Rge 25

East

County Ness

West

ORIGINAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores taken  Yes  No

Electric Log Run (Submit Copy)  Yes  No

List All E. Logs Run:  
Radiation-Guard

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	1660	2745
Heebner	3748	-3748
Ft. Scott	4295	110
Cherokee Sh	4319	86
Miss	4398	7

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	20	226	60/40 Pozmix	140	2%gel, 3%cc
Production	7 7/8	5 1/2	15.5	4398	60/40 Pozmix	165	10%salt, 3/4% CFRII

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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	4399-4404	500 gal 28% NE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	4400	4400	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj	Producing Method
9/25/93	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production	Oil	Bbls	Gas	Mcf	Water	Bbls	Gas-Oil Ratio	Gravity
Per 24 Hours	25		0		40			37

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

\_\_\_\_\_



Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas.

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

1133

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <u>8/25/93</u>	Sec. <u>34</u>	Twp. <u>18S</u>	Range <u>25W</u>	Called Out	On Location <u>8 PM</u>	Job Start <u>9:30</u>	Finish <u>10 AM</u>
Lease <u>Spruill A</u>	Well No. <u>1</u>	Location <u>Laird 1/2 W 1/2 S 1/2 W N into</u>		County <u>Ness</u>		State <u>Ks.</u>	

Contractor <u>Mallard JV</u>	
Type Job <u>Surface</u>	
Hole Size <u>12 1/4</u>	T.D. <u>225</u>
Csg. <u>8 7/8" 20'</u>	Depth <u>225</u>
Tbg. Size	Depth
Drill Pipe	Depth
Foot	Depth
Cement Left in Csg. <u>15'</u>	Shoe Joint
Press Max.	Minimum
Meas Line	Displace <u>13.6 bbl</u>

Owner <u>Same</u>
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 listed.
Charge To <u>Viking Resources</u>
Street <u>105 S. Broadway Suite 1040</u>
City <u>Wichita</u> State <u>Ko.</u> <u>67202</u>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X <u>Lester R. Udo</u>

Perf.

**EQUIPMENT**

No.	Cementer	<u>Gary</u>
umptrk <u>224</u>	Helper	
No.	Cementer	<u>Keith</u>
umptrk	Helper	
	Driver	<u>Bill</u>
bulktrk <u>116</u>	Driver	

**CEMENT**

Amount Ordered	<u>140 6 1/4 2% Gel 3% CC</u>
Consisting of	
Common	<u>84 5.75 483.00</u>
Poz. Mix	<u>56 3.00 168.00</u>
Gel.	<u>3 2.00 21.00</u>
Chloride	<u>4 25.00 100.00</u>
Quickset	
Handling	<u>140 1.00 140.00</u>
Mileage	<u>9 Min 60.00</u>
<b>Total 972.00</b>	

**DEPTH of Job**

Reference:	<u>Pump Truck</u>	<u>430.00</u>
<u>9</u>	<u>Mileage</u>	<u>20.25</u>
	<u>8 7/8" TWP</u>	<u>42.00</u>
<b>Total</b>		<b><u>492.25</u></b>

Remarks: Cement circulated.

Thank you & Yours L. Hene

Floating Equipment

TOTAL \$ 1464.25  
Disc - 292.85  
\$ 1171.40

RECEIVED

STATE COMMISSION

JUN 14 1994

CONSERVATION DIVISION  
 Wichita, Kansas

3-483-2627, Russell, Kansas  
 June 31 1993-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC.**

4796

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
8-31-93	34	18	25	2:00 PM.	6:00 PM.	7:00 PM	8:50 PM
Lease	Well No.	Location			County	State	
SPRUILL		Laird 1S, 1/2W, 1/4NE			NESS	KS.	

Contractor <b>Mallard</b>	
Type Job <b>Production</b>	
Hole Size <b>7 7/8"</b>	T.D. <b>4404'</b>
Csg. <b>5 1/2"</b>	Depth <b>4398'</b>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <b>16'</b>	Shoe Joint <b>16'</b>
Press Max. <b>1000#</b>	Minimum
Meas Line	Displace <b>104 1/2 bbl.</b>
Perf.	

Owner <b>SAME</b>	
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 listed.	
Charge To	<b>Viking Resources</b>
Street	<b>105 S. Broadway Suite 1040</b>
City	<b>Wichita State Ks. 67202</b>
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	<i>[Signature]</i>

**EQUIPMENT**

#	No.	Cementer	<b>Jim</b>
Pumptrk	<b>158</b>	Helper	<b>Bob W.</b>
#	No.	Cementer	
Pumptrk		Helper	
#		Driver	<b>Ben</b>
Bulktrk	<b>116</b>	Driver	

**CEMENT**

Amount Ordered	<b>1105 SKS 60/40, 10% salt, 3/4 of 1% CFR.</b>	
Consisting of <b>500 gal, WFR II,</b>		
Common	<b>99</b>	<b>5.75 569.25</b>
Poz. Mix	<b>66</b>	<b>3.00 198.00</b>
Gel.		
Chloride	<b>Salt - 17</b>	<b>5.25 89.25</b>
Quickset	<b>ERA - 12</b>	<b>4.00 48.00</b>
	<b>500 gals. WFR II</b>	<b>1.00 500.00</b>
<b>Sales Tax</b>		
Handling	<b>165</b>	<b>1.00 165.00</b>
Mileage	<b>9</b>	<b>mi 60.00</b>
<b>Sub-Total</b>		
		<b># Total 1629.50</b>

<b>DEPTH of Job 4398'</b>	
Reference:	
	<b>Pumptrk Charge 1038.00</b>
<b>9</b>	<b>Pumptrk Mileage 20.25</b>
<b>1</b>	<b>5" Rubber Plug 45.00</b>
<b>Total 1103.25</b>	

Remarks: **Ben 4398' of 5 1/2" csg. Pumped 500 gal WFR II followed by 150 SKS 60/40 10% salt, 3/4 of 1% CFR. Washed line clean of cement. Pumped plug with fresh water. Plugged Rathole with 15 SKS. Float did hold.**

*T. Rankin*

Floating Equipment

**Total \$ 2732.75**

**Disc - 546.55**

**\$ 2186.20**

**RECEIVED**  
 STATE CORPORATION COMMISSION  
**JUN 14 1994**  
 CONSERVATION DIVISION  
 Wichita, Kansas

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC.**

5457

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	9-17-93	Sec.	34	Twp.	18	Range	25	Called Out	8 AM	On Location	10:20 AM	Job Start	10:20 AM	Finish	3:00 PM
Lease	Spruill		East Well No. #1		Location			Lapid 1/2 15 mi			County	Ness		State	KS
Contractor	Hulse Well Service														
Owner	Same														
Type Job	Test Collar														
Hole Size	7 7/8		T.D.												
Csg.	5 1/2		Depth												
Tbg. Size	2 1/2		Depth												
Drill Pipe	Expert S-Plug		Depth 400												
Tool	Bobber Test Collar		Depth 1688												
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.	Test Collar 1688														
<b>EQUIPMENT</b>															
Pumptrk	No.	Cementer	Beas Don												
	195	Helper	Kant												
Pumptrk	No.	Cementer													
		Helper													
Bulktrk	199	Driver	Burkman												
Bulktrk		Driver													
<b>DEPTH of Job</b>															
Reference:	Pump truck		525.00												
	9 mileage		20.25												
		<b>Sub-Total</b>													
		<b>Tax</b>													
		<b>Total</b>		545.25											
Remarks:	load hole - test Plug 750' of spot gel on PC mix 6 gel start cement - cement did circ thru 700' wash sand off Plug -														

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 listed.

Charge To *Wibing Resources*  
 Street *105 S. Broadway Suite 1040*  
 City *Wichita* State *Ks. 67202*

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.		
X	<i>[Signature]</i>	
<b>CEMENT</b>		
Amount Ordered	<i>325 60 69 gel 1/4 barrel</i>	
Consisting of	<i>10 gel 1 barrel</i>	
Common	<i>195</i>	<i>5.25</i>
Poz. Mix	<i>130</i>	<i>3.00</i>
Gel.	<i>30</i>	<i>7.00</i>
Chloride		<i>210.00</i>
Quickset	<i>G10 Seal 81</i>	<i>1.10</i>
	<i>Sand - 1</i>	<i>5.00</i>
		<i>5.00</i>
Handling	<i>325</i>	<i>1.00</i>
Mileage	<i>9</i>	<i>117.00</i>
		<b>Sub-Total</b>
		<b>Total</b>
		<i>2257.35</i>

Floating Equipment

TOTAL \$ *2802.60*  
 Disc - *560.52*

RECEIVED  
 # STATE CORPORATION COMMISSION  
 \$ *2242.08*  
 JUN 14 1994