

ORIGINAL

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

API NO. 15- 101-21,675-00-00

County Lane
NE SE SE _____ Sec 7 Twp 16 Rge 27 X W

Operator: License # 5011

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

Name: Viking Resources, Inc.

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

Address: 105 S. Broadway, Ste 1040

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

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

Lease Name J.R. Ewing Well # 3

Purchaser: NCRA

Field Name Unnamed

Operator Contact Person: Shawn Devlin

Producing Formation LKC

Phone: (316) 262-2502

Elevation: Ground 2590 KB 2595

Contractor: Name: Abercrombie RTD, Inc.

Total Depth 4457 PBDT 4457

License: 30684

Amount of Surface Pipe Set and Cemented at 227.6 Feet

Wellsite Geologist: Scott Oatsdean
Designate Type of Completion

Multiple Stage Cementing Collar Used? X Yes _____ No

X New Well _____ Re-Entry _____ Workover

If yes, show depth set 2032 Feet

X Oil _____ SWD _____ SIOW _____ Temp. Abd.

If Alternate II completion, cement circulated from Surf

_____ Gas _____ ENHR _____ SIGW

feet depth to Down annulus w/ 155 sx in ann. _____ sx cmt

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan ALT 2 JJK 8-24-95
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride Content 14000 ppm Fluid volume 840 bbls

Well Name: _____

Dewatering method used Evaporate

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SW

_____ Plug Back _____ PBDT

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

7/5/94 7/14/94 8/2/94
Spud Date Date reached TD Completion Date

CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

NOV 14 1994

11-14-1994
CONSERVATION DIVISION
WICHITA, KS

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JAN 11 1996

FROM CONFIDENTIAL

Operator Name _____

Lease Name _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, 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 Shawn P. Devlin

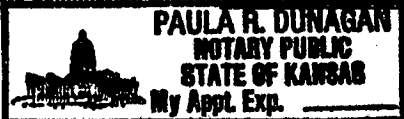
Title Vice President Date 11/10/94

Subscribed and sworn to before me this 10th day of NOVEMBER

1994

Notary Public Paula R. Dunagan

Date Commission Expires 10/2/1997



K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____	_____	_____ NGPA
_____	_____	_____ Other
_____	_____	(Specify)

Operator Name Viking Resources, Inc.

Lease Name J.R. Ewing

Well # 3

Sec 7 Twp 16 Rge 27

East

County Lane

West

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2025	570
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3817	-1222
List All E. Logs Run: Gamma Neutron Sonic Cement Bond Dual Compensated Porosity Dual Induction		Lansing	3855	-1260
		Stark	4103	-1508
		Ft Scott		
		TD	4457	-1862

CASING RECORD							
<input checked="" 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	20#	227.6	60/40 Poz	175	2% gel, 3% cc
Production	7-7/8	5-1/2	14 #	4440.55	ASC	185	5# Calseal/sack 3/4 % CFR2

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing		65/35 Poz	155	6% gel 1/4# floeal DOWN ANNULUS
<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 (Amount and Kind of Material Used Depth)
4	4143-48	500 gal 15% NE

TUBING RECORD		Size <u>2-3/8</u>	Set At <u>4400</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj	Producing Method		<input type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
<u>8/3/94</u>	Estimated Production Oil <u>55</u> Bbls	Gas <u>0</u> Mcf	Water <u>10</u> Bbls	Gas-Oil Ratio	Gravity <u>39</u>

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	<u>LKC</u>

ORIGINAL

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

COPY

API NO. 15- 101-21,675 - 00-00

County Lane

NE SE SE Sec 7 Twp 16 Rge 27 XW

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

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

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(Data must be collected from the Reserve Pit)

Chloride Content 14000 ppm Fluid volume 840 bbls

Dewatering method used Evaporate

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: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Scott Oatsdean

Designate Type of Completion

X New Well Re-Entry Workover

X 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:

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.

7/5/94 Spud Date 7/14/94 Date reached TD 8/2/94 Completion Date

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KANSAS CORPORATION COMMISSION

NOV 14 1994

CONSERVATION DIVISION
WICHITA, KS

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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 Shawn P. Devlin

Title Vice President Date 11/10/94

Subscribed and sworn to before me this 10th day of NOVEMBER

19 94

Notary Public Paula R. Dunagan

Date Commission Expires March 2, 1997



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

DRILL STEM TEST RESULTS J.R. Ewing #3 NE SE SE Sec 7 T 16 R 27 W, Lane County, Kansas

DST #1 Interval 4004-4040
Times 30-30-30-30
IFP 37-37 FFP 37-37 ISIP 1024 FSIP 956
Recovery: 1st open weak blow to 1" no blow 2nd open
Recovery: Rec 30' oil stained watery mud (80% M, 20% W)

ORIGINAL

API # 15-101-21675

DST #2 Interval 4040-4110
Times 30-30-45-60
IFP 52-52 FFP 59-59 ISIP 97 FSIP 59
Recovery: 1st open weak blow to 1-1/2", 2nd open blow to 3-1/2"
Recovery: Rec 40' GIP
Recovery: 30' SOCM (5% O, 95% M)

CONFIDENTIAL

DST #3 Interval 4100-4125
Times 30-45-45-60
IFP 62-104 FFP 149-202 ISIP 911 FSIP 903
Recovery: 1st open BOB in 8 min to 2-1/2", 2nd open BOB in 8 min to 7"
Recovery: Rec 880' GIP, 220' CGO (40% G, 60% O), 60' GMCO (30% G, 50% O, 20% M)
Recovery: 60' GOWCM (25% G, 15% O, 10% W, 50% M), 60' SOCWM, 120' MW

DST #4 Interval 4135-4160
Times 30-45-45-60
IFP 67-119 FFP 172-255 ISIP 941 FSIP 933
Recovery: Strong BOB in 4 min, back to BOB in 8min, 2nd open BOB in 7 min, back to BOB in 7 min
Recovery: Rec 2070' GIP, 406' CGO (20%G, 80%O), 230' GOCM (40%G, 40%O, 20%M)
Recovery: 60' GHOCM (5%G, 25%O, 70%M), 60' MW (70%W, 30%M)

DST #5 Interval 4350-4395
Times 30-30-30-30
IFP 27-27 FFP 27-27 ISIP 37 FSIP 37
Recovery: 1st open weak 1/2" blow
Recovery: Rec 5' Mud

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NOV 14 1994

CONSERVATION DIVISION
WICHITA, KS

KCC OIL/GAS REGULATORY OFFICE

DATE: 8/1/94

ORIGINAL

[X] New Situation
[] Response to Request
[] Follow-Up

LOCATION NE SE SE SEC 7, T 16 S, R 27W

OPERATOR: Viking Resources, Inc.

LICENSE #: 5011

ADDRESS: 105 S. Broadway, Ste. 1040

LEASE/WELL NUMBER: J.R. Ewing #3

ADDRESS: Wichita, KS 67202

COUNTY: Lane

PHONE #: 316-262-2502

API#15-101-21,675

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LEASE INSPECTION: _____ COMPLAINT: _____ FIELD REPORT: X

REASON FOR INVESTIGATION: Viking was completing the Alternate II cementing.

PROBLEM: The Alternate II cementing had not been completed.

RELEASED

JAN 11 1996

PERSONS CONTACTED: Terry Richardson with Viking

FROM CONFIDENTIAL

FINDINGS: On 7/29/94, Viking opened the port collar at 2062' and pumped 300 sx of cement. The well lost circulation toward the end of the job and cement did not circulate. The district office did not have anyone free to witness the job.

On 7/30/94, Viking ran a cement temperature log which showed good cement to 1050' and scattered cement to 350'. On 8/1/94, Viking pumped 150 sx cement down the 8 5/8" X 4 1/2" annulus with my permission. The ending pump pressure was 175 psi.

PHOTOS TAKEN

ACTION/RECOMMENDATIONS: The Alternate II cementing was completed.

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AUG 08 1994
CONSERVATION DIVISION
WICHITA, KS

BY: Richard W. Lacey

8/1/94

483-2627, Russell, KS
16-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

6183

ORIGINAL

New

Date	7/5/94	Sec.	7	Twp.	16S	Range	27W	Called Out		On Location	2:45 PM	Job Start	7:00 PM	Finish	7:30 PM
Lease	JR Ewing	Well No.	3	Location	Pendennis	2 1/2 NW 1/4		County	Lane	State	KS				
Contractor	Abercrombie 8														
Type Job	Surface														
Hole Size	12 1/4	T.D.	232												
Csg.	8 5/8	20#	Depth	227											
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace	13.8661												
Perf.															

Owner Sant **CONFIDENTIAL**

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 Viking Resources Inc.

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 Crutson Mart

CEMENT

Amount Ordered 175 6% 2% Gel 3% CC

Consisting of

Common	105
Poz. Mix	70
Gel.	3
Chloride	5
Quickset	

EQUIPMENT

No.	Cementer	<u>Gary</u>
Pumptrk 224	Helper	<u>Mike</u>
No.	Cementer	
Pumptrk	Helper	
	Driver	<u>Bill</u>
Bulktrk 69	Driver	

DEPTH of Job

Reference:	<u>Pump Charge</u>	<u>430.00</u>
<u>39</u>	<u>Mileage</u>	<u>87.75</u>
	<u>8 5/8" TWP</u>	<u>42.00</u>
	<u>Total</u>	<u>559.75</u>

Remarks: Cement Circulated

Thank you,
Way L. Fered

RELEASED

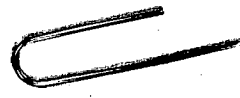
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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS



2627, Russell, KS
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Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

6607

ORIGINAL

New

Date	7-13-94	Sec.	7	Twp.	16	Range	27	Called Out	2:45 AM	On Location	7:00 AM	Job Start	9:15 AM	Finish	11:05 AM
Lease	J. R. Ewing	Well No.	#3	Location				Penderwis, NE 2 1/2 mi, W/S	County	Lawe	State	KS.			
Contractor	Abercrombie Rig #8														
Type Job	Production														
Hole Size	7 7/8"	T.D.	4457'												
Csg.	5 1/2" used 14"	Depth	4440'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	Port collar @ 2032'														
Cement Left in Csg.	31'	Shoe Joint	31'												
Press Max.	1000*	Minimum													
Meas Line		Displace	107 3/4 bbl												
Perf.															

Owner Same

CONFIDENTIAL

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 **Viking 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. *[Signature]*

CEMENT

Amount Ordered **200 SKS ASC, 5* KOLSEAL/SK, 1/2 CFR2, 5* ASF**

EQUIPMENT

# No.	Cementer	Tim
Pumptrk 120	Helper	Mike
# No.	Cementer	
Pumptrk	Helper	
#	Driver	Bob
Bulktrk 101	Driver	

Consisting of

Common **200 ASC**

Poz. Mix

Est. **CFR2-15**

Chloride **ASF-500 g**

Quickset

Kol Seal-1000*

DEPTH of Job	4440'
Reference	Pumptrk Charge 1038.00
39	Pumptrk Mileage 87.75
1	5 1/2" Rubber Plug 451.00
	Subtotal
	Total 1170.75

Handling **200**

Mileage **39**

Floating Equipment

Remarks: **Ran 4440' of 5 1/2" csg. Pumped 500 gal WFR (ASF) followed by 185 SKS ASC, 5* Kolseal, 1/2 CFR2, 5* ASF. Washed line clear of cement. Pumped plug with fresh water. Floort did hold. Thanks By Tim Duhon. Plugged pothole with 15 SKS.**

RELEASED

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FROM CONFIDENTIAL RECEIVED

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CONSERVATION DIVISION WICHITA, KS

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Home Office P. O. Box 31

Russell, Kansas 67665

6660

ORIGINAL

New

Date	8/1/94	Sec.	7	Fwp.	16s	Range	27w	Called Out	08:30	On Location	09:00	Job Start	2:30 PM	Finish
Lease	JREwing	Well No.	3	Location	Pendennis	2 1/2 N W 170	Lane	County	KS	State	KS			
Contractor	Pauls Well Svc.													
Type Job	Top Outside													
Hole Size	7 7/8	T.D.												
Csg.	5 1/2	Depth												
Tbg. Size	2 7/8	Depth	4000											
Drill Pipe	Port Collar	Depth	2032											
Tool	RBP	Depth	4000											
Cement Left in Csg.												Shoe Joint		
Press Max.	500 #	Minimum												
Meas Line												Displace		
Perf.														

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Street 105 So Broadway Suite 1040

City Wichita State Ks 67202

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Purchase Order No. [Signature]

Used 155 **CEMENT**

Amount Ordered 250 65/35 6% Gel 1/4 # Flo Seal per sk

EQUIPMENT

No.	Cementer	Helper
Pumptrk 224	Gary	Mike
No.	Cementer	Helper
Pumptrk		
Driver	Bill	
Driver		

Consisting of

Common

Poz. Mix AKW 65/35 6% 155 #

Chloride

Quickset

FLO SEAL 63 #

Handling 250

Mileage 250 .04

Floating Equipment total less

DEPTH of Job

Reference:	Pump Charge	430.00
	39 Mileage	2.8 87.75
	Sub Total	
	Tax	
	Total	\$517.75

Remarks: Press csg to 500 #. Tie on to anchor mix pump 155 # cement. Shut ann. Wait 2 hrs. Run tbg to 4000'. Circulate sand off BP then load hole w/oil. Thank you!

[Signature]

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