

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

Operator: License # 5011

CONFIDENTIAL

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

New Well Re-Entry Workover

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. _____

3/19/95 3/27/95 4/10/95
Spud Date Date reached TD Completion Date

API NO. 15- 101-21,695 -00-ORIGINAL

County Lane

SW NW SW _____ Sec 8 Twp 16 Rge 27 ^E/_{XW}

1650 Feet from /N (circle one) Line of Section

4950 Feet from /W (circle one) Line of Section

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

Lease Name J R Ewing Well # #5

Field Name unnamed

Producing Formation LKC

Elevation: Ground 2670 KB 2675

Total Depth 4548 PBDT 4548

Amount of Surface Pipe Set and Cemented at 213.65 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1993 Feet

If Alternate II completion, cement circulated from 1993

feet depth to Surface w/ 290 sx cmt

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride Content 16000 ppm Fluid volume 715 bbls

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:

Operator Name _____

RELEASED

Lease Name _____ License No. 01990

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

County _____ Docket No. _____

FROM CONFIDENTIAL

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 [Signature]

Title Vice President Date 4/27/95

Subscribed and sworn to before me this 27 day of April

19 95

Notary Public Pamela K. Brannon

RECEIVED

KANSAS CORPORATION COMMISSION

06-05-1995
JUN 05 1995

PAMELA K. BRANNON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. _____

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

ORIGINAL

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name J R Ewing Well # #5
Sec 8 Twp 16 Rge 27 East West
County Lane

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	2096	579
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Anhydrite	2134	541
List All E. Logs Run: Dual Induction Dual Compensated Porosity Sonic Bond Gamma Ray Neutron CCL		Heebner	3891	-1216
		Lansing	3930	-1255
		BKC	4245	-1570
		Marmaton	4265	-1590
		Miss	4525	-1850

CASING RECORD							
<input type="checkbox"/> New <input checked="" 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#	213.65	60/40 Poz	180	2% gel, 3% cc
Production	7-7/8	4-1/2	10.5 #	4484.2	ASC	225	500 gal ASF

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	4333-36		250 gal MCA	
4	4226-30		250 MCA, 1000 28%	
4	4190-94		250 MCA, 1000 28%	
4	4122-26		250 MCA, 1000 28%	

TUBING RECORD		Size 2-3/8	Set At 4372	Packer At 4100	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj 4/13/95		Producing Method				
Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water	Gravity
	65		0		15	39

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: 4190-94
4122-26

Handwritten notes and stamps at the bottom of the page, including a date stamp 'APR 13 1995' and other illegible markings.

CONFIDENTIAL

ORIGINAL

DST #1 Interval 4010-4030
Times 30-45-30-30
IFP 38-38 FFP 38-38 ISIP 929 FSIP 687 IHP 1936 FHP 1895 BHT 110 Degrees
Recovery: 1st open blow to 3/4", no blow 2nd open
Recovery: Rec 8' oil, 5' OCWM

API# 15-101-21695

DST #2 Interval 4075-4110
Times 30-45-45-60
IFP 38-63 FFP 86-112 ISIP 661 FSIP 417 IHP 1973 FHP 2002 BHT 118 Degrees
Recovery: 1st open blow to 7-1/2", 2nd open blow to 5"
Recovery: Rec 300' GIP, 20' CGO, 10' GOCMW (10% G, 40% O, 48% M, 2% W),
Recovery: 60' SWOCM (25% O, 65% M), 60' SOCMW (46%W, 50%M), 60' SOMCW (66%W, 30%M)

DST #3 Interval 4110-4150
Times 30-45-45-60
IFP 51-138 FFP 153-248 ISIP 1066 FSIP 1005 IHP 1945 FHP 1970 BHT 124 Degrees
Recovery: 1st open BOB in 5 min, 2nd open BOB in 13 min
Recovery: Rec 695' GIP, 95' CGO, 180' GOCM (30% G, 35% O, 5%M)
Recovery: 100' GOCMW (10% G, 20% O, 50% W, 20%M), 200' GMW (75% W, 20%M)

DST #4 Interval 4180-4200
Times 30-45-45-60
IFP 37-133 FFP 138-211 ISIP 466 FSIP 465 IHP 1976 FHP 2007 BHT 124 Degrees
Recovery: 1st open BOB in 2 min, 2nd open BOB instant
Recovery: Rec 2310 GIP, 390 CGO, 60' GOCMW (59%G, 24%O, 15%M, 2%W)
Recovery: 60' GOCWM (44%G, 30%O, 10%W, 16%M), 60' GWOCM (24% G, 10%O, 15%W, 51%M)

DST #5 Interval 4400-4460
Times 30-45-45-60
IFP 20-37 FFP 43-69 ISIP 1095 FSIP 1067 IHP 2171 FHP 2224 BHT 124 Degrees
Recovery: 1st open, blow to 8", 2nd open blow to 10"
Recovery: Rec 5' CGO, 120' GOCM (2%G, 8%O, 90%M)

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RELEASED

MAY 6 1996

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 05 1995

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

CONFIDENTIAL

ORIGINAL

PERMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Neosho City

DATE <u>3-19-95</u>	SEC. <u>8</u>	TWP. <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>6:00 P.M.</u>	JOB FINISH <u>2:30 P.M.</u>
LEASE <u>J.R. Ewing</u>		WELL # <u>5</u>	LOCATION <u>Pendergast 2N-1/2 NW</u>		COUNTY <u>Lane</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Abernethy

TYPE OF JOB Surface

HOLE SIZE 12 1/2" T.D. 218'

CASING SIZE 8 5/8" 20# DEPTH 213'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. Displacement 12.87 BBI

OWNER Edme

CEMENT

AMOUNT ORDERED 180 60/40 223

COMMON	<u>108</u>	@	<u>6.10</u>	<u>658.80</u>
POZMIX	<u>72</u>	@	<u>3.15</u>	<u>226.80</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>180</u>	@	<u>1.05</u>	<u>189.00</u>
MILEAGE	<u>39</u>			<u>280.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike Main

224 HELPER Bob Norton

BULK TRUCK

116 DRIVER Bill

BULK TRUCK

_____ DRIVER _____

RELEASED

MAY 6 1996

TOTAL # 1523.90

REMARKS:

Ran 5 hrs used 8 5/8" 20# pipe. Broke
circ. with rig. Moved 180 60/40 223 Displaced
with 12.87 BBI fresh water. Cement
did not circ.

Thank you
Allied Cementing
Mike, Bob, Bill

SERVICE FROM CONFIDENTIAL

DEPTH OF JOB 213'

PUMP TRUCK CHARGE 0-300' 445.00

EXTRA FOOTAGE @ _____

MILEAGE 39 @ 2.35 91.65

PLUG TWP @ 45.00 45.00

@ _____

@ _____

TOTAL # 581.65

CHARGE TO: Vi-King Resources Inc.

STREET 105 S. Broadway Suite 1040

CITY Wichita STATE Ks. ZIP 67202

FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 05 1995

ALLIED CEMENTING CO., INC.

CONFIDENTIAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Mass

DATE <u>3-27-95</u>	SEC. <u>8</u>	TWP. <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>9:45 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>J.R. Ewing</u>		WELL # <u>5</u>	LOCATION <u>Pendennis 20-1/2 NW</u>		COUNTY <u>Lawrence</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Alexander

TYPE OF JOB Long String

HOLE SIZE 7 3/4" T.D. 4548

CASING SIZE 4 1/2" DEPTH 4484 20

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15.56

CEMENT LEFT IN CSG.

PERES. Displacement 71331

OWNER Same

CEMENT

AMOUNT ORDERED 225 ASC

500gal Mud flush (ASF)

COMMON	<u>225 ASC</u>	@	<u>7.85</u>	<u>1766.25</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
<u>ASF</u>	<u>500 gals.</u>	@	<u>1.00</u>	<u>500.00</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>225</u>	@	<u>1.05</u>	<u>236.25</u>
MILEAGE	<u>39</u>			<u>351.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike Maier

224 HELPER Bob Norton

BULK TRUCK

116 DRIVER Bill White

BULK TRUCK

DRIVER

RELEASED

MAY 6 1996

TOTAL \$ 2853.50

REMARKS:

Pump 500gal Mud Flush. Miled 15 Sko
in rat hole. Mud Cement - failed Plug
Loss. Pump 72 BB1 Cased plug with
100% Release float held.

Frank York
Allied Cementing
Mike, Bob, Bill

SERVICE FROM CONFIDENTIAL

DEPTH OF JOB 4484'

PUMP TRUCK CHARGE 1090.00

EXTRA FOOTAGE @

MILEAGE 39 @ 2.35 91.65

PLUG 1 @ 38.00 38.00

TOTAL \$ 1219.65

CHARGE TO: Viking Resources Inc.

STREET 105 S. Broadway Suite 1040

CITY Wichita, Kansas ZIP 67202

KANSAS CORPORATION COMMISSION

FLOAT EQUIPMENT

1- Guide Shoe - 4 1/2"	@	<u>109.00</u>	<u>109.00</u>
1- Baker Insert - 4 1/2"	@	<u>169.00</u>	<u>169.00</u>
10- Baker Centralizer - 4 1/2"	@	<u>53.00</u>	<u>530.00</u>
1- Baker Basket - 4 1/2"	@	<u>113.00</u>	<u>113.00</u>

JUN 05 1995

ALLIED CEMENTING CO., INC.

CONFIDENTIAL

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Nass City

DATE <u>4-11-95</u>	SEC <u>8</u>	TWP. <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>8:45 AM</u>	JOB START <u>10:15 AM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>J.R. Ewing</u>		WELL # <u>5</u>	LOCATION <u>Pendennis 2N-2NW</u>		COUNTY <u>Came</u>	STATE <u>KS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR Paul's Well Service

TYPE OF JOB P. Collar

HOLE SIZE 7 7/8" T.D. 4548

CASING SIZE 4 1/2" DEPTH 4484

TUBING SIZE _____ DEPTH _____

DRILL PIPE Bridge Plug DEPTH 3824'

TOOL P. Collar DEPTH 1993

PRES. MAX 1000# MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Same

CEMENT ALW

AMOUNT ORDERED 500 (65/35 69 gal) 4# Flo Seal

Used 290 SKs 200# Hulls 200# SK

4 bags gel on Side - 2 SKs Sand

COMMON <u>ALW 290</u>	@	<u>5.65</u>	<u>1638.50</u>
POZMIX _____	@	_____	_____
GEL <u>4</u>	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE _____	@	_____	_____
<u>Sand - 2</u>	@	<u>5.25</u>	<u>10.50</u>
<u>Flo Seal - 73#</u>	@	<u>1.15</u>	<u>83.95</u>
<u>Hulls 2</u>	@	<u>15.50</u>	<u>31.00</u>
_____	@	_____	_____
_____	@	_____	_____
HANDLING <u>500</u>	@	<u>1.05</u>	<u>525.00</u>
MILEAGE <u>40</u>			<u>800.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike

224 HELPER Bob

BULK TRUCK _____

199 DRIVER Bill

BULK TRUCK _____

_____ DRIVER _____

RELEASED TOTAL \$ 3126.95

MAY 6 1996

REMARKS:

Load hole - Circulate oil out of hole into Swab Tank. Pressured Bridge Plug to 1000#. Spotted 2 SKs Sand. Spotted 8 BBI gel water - Opened port Collar Started Cementing Mixed 290 SKs Cement Circulated Closed Port Collar - Pressured to 1000# Held. Run tubing & wash Sand off B.P. Loaded hole with oil.

SERVICE

FROM CONFIDENTIAL

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 550.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 40 @ 2.35 94.00

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL \$ 644.00

CHARGE TO: Viking Resources Inc.

STREET 105 S. Broadway Suite 1040

CITY Wichita STATE Ko ZIP 67202

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 05 1995