

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

Operator: License # 5011

Name: Viking Resources, Inc.

Address: 105 S. Broadway, Ste 1040

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

Purchaser: Texaco

Operator Contact Person: Shawn Devlin

Phone: (316) 262-2502

Contractor: Name: Murfin Drilling Co

License: 30606

Wellsite Geologist: Bill Petersen

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. \_\_\_\_\_

7/1/94 7/6/94 7/28/94  
Spud Date Date reached TD Completion Date

API NO. 15- 147-20,557 **ORIGINAL**

County Phillips

SW SE SW \_\_\_\_\_ Sec 23 Twp 3 Rge 19 XW

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

3630 Feet from  /W (circle one) Line of Section

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

Lease Name Ehm Well # 1

Field Name Stuttgart

Producing Formation KC

Elevation: Ground 2054 KB 2059

Total Depth 3430 PBDT 3430

Amount of Surface Pipe Set and Cemented at 210 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1621 Feet

If Alternate II completion, cement circulated from 1621

feet depth to Surface w/ 200 sx cmt

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

Chloride Content 800 ppm Fluid volume 892 bbls

Dewatering method used Evaporate

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

**RECEIVED**  
Operator Name KANSAS CORPORATION COMMISSION

Lease Name DEC 08 1994 License No. \_\_\_\_\_

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

County WICHITA, KS 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 12/8/94

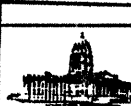
Subscribed and sworn to before me this 8th day of December

19 94

Notary Public Pamela K. Brannon

Date Commission Expires 11/8/98

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
_____	KGS	_____ Plug
_____	_____	_____ NGPA
_____	_____	_____ Other
_____	_____	(Specify)

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

**SIDE TWO**

Operator Name Viking Resources, Inc. Lease Name Ehm Well # 1  
 Sec 23 Twp 3 Rge 19  East County Phillips  
 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 Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: Radiation Guard	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datums</td> <td><input checked="" type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1582</td> <td>477</td> </tr> <tr> <td>Base Anhydrite</td> <td>1587</td> <td>472</td> </tr> <tr> <td>Topeka</td> <td>2957</td> <td>-898</td> </tr> <tr> <td>Heebner</td> <td>3155</td> <td>-1096</td> </tr> <tr> <td>Toronto</td> <td>3180</td> <td>-1121</td> </tr> <tr> <td>Lansing</td> <td>3197</td> <td>-1138</td> </tr> <tr> <td>BKC</td> <td>3416</td> <td>-1357</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	1582	477	Base Anhydrite	1587	472	Topeka	2957	-898	Heebner	3155	-1096	Toronto	3180	-1121	Lansing	3197	-1138	BKC	3416	-1357
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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#	210	60/40 Poz	140	2% gel, 3% cc
Production	7-7/8	4-1/2	10.5 #	3429	ASC	185	500 gal WFR2 11 sx OWC

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	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used	Depth
4	2974-2977	500 gal 15% MCA + 1000 gal 15% NE	
4	3005-3009	500 gal 15% MCA + 750 gal 15% NE	
4	3011-3014	500 gal 15% MCA + 1000 gal 15% NE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8	2950		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj		Producing Method			
8/18/94		<input type="checkbox"/> Flowing		<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Oil Per 24 Hours	Bbls	Gas	Mcf	Water	Bbls Gas-Oil Ratio Gravity
35		0		0	

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: 2974-2977  
3005-3014

**DRILL STEM TEST RESULTS Ehm #1 SW SE SW Sec 23 T 3 R 19 W, Phillips County, Kansas**

**DST #1** Interval 3226-3288  
Times 45-45-15-45  
IFP 59-59 FFP 59-59 ISIP 522 FSIP 514  
Recovery: IHP 1636 FHP 1598 BHT 96  
Recovery: 1st open weak surf blow, 2nd open no blow  
Recovery: Rec 15' Mud w/ oil spots

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**ORIGINAL**

**DST #2** Interval 3336-3372  
Times 45-45-45-60  
IFP 52-74 FFP 97-112 ISIP 842 FSIP 834  
Recovery: IHP 1742 FHP 1658 BHT 98  
Recovery: 1st open 1/4" blow to 5", 2nd open blow to 4"  
Recovery: Rec 185' CGO (90% O, 10% G), 60' SOCM (10% O, 90% M)

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**RECEIVED**  
KANSAS CORPORATION COMMISSION

DEC 08 1994

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CONSERVATION DIVISION  
WICHITA, KS

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313-483-2627, Russell, KS  
 e 316-793-5861, 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.

7996

Home Office P. O. Box 31

Russell, Kansas 67665

**ORIGINAL**

*New*

Date	7-1-94	Sec.	23	Twp.	3	Range	19	Called Out	6:25 PM	On Location		Job Start		Finish	7:30 PM
Lease	Ehm		Well No.	1		Location		Speed 6 N 2 W			County	Phillips		State	KS
Contractor	Martin Dalg Riq 8														
Type Job	Surface														
Hole Size	12 1/4		T.D.	210											
Csg.	8 1/2		Depth	210											
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.	10-15		Shoe Joint												
Press Max.															
Meas Line			Displace	13 BBI											
Perf.															

Owner *Same*

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 # 1010*

City *Wichita* State *Kansas*

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

Purchase Order No.

X *Kathleen Reed*

**CEMENT**

Amount Ordered *140 00 3% CC 2% gel*

**EQUIPMENT**

No.	Cementer	<i>Dave</i>
Pumptrk <i>153</i>	Helper	<i>Mark</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Steve</i>
Bulktrk <i>272</i>	Driver	

Consisting of

Common	<i>84 @ 575</i>
Poz. Mix	<i>56 @ 3 00</i>
Gel.	<i>2 @ 9 00</i>
Chloride	<i>4 @ 25 00</i>
Quickset	

Sales Tax

**DEPTH of Job**

Reference:	<i>Pump trk chg</i>	<i>430 00</i>
	<i>2 25 per mile</i>	<i>101 25</i>
	<i>8 1/2 wooden plug</i>	<i>43 00</i>
	Sub Total	
	Tax	
	Total	<i>574 25</i>

Handling *@ 1 00*

Mileage *24 1/2 @ 1 mile*

*25* RECEIVED  
 KANSAS CORPORATION COMMISSION

Sub Total

Total

Floating Equipment *DEC 08 1994*

CONSERVATION DIVISION

Remarks: *Cement Cir 15-20 slk*

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

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

# ALLIED CEMENTING CO., INC.

4015

Home Office P. O. Box 31

Russell, Kansas 67665

**ORIGINAL**

*New*

Date	7-6-94	Sec.	23	Twp.	3 S	Range	19 W	Called Out	12:01 PM	On Location	2:00 PM	Job Start	6:55 PM	Finish	7:25 PM
Lease	FHM	Well No	#1	Location	SPEED ON 1W 1/4 N			County	PHILLIPS	State	KANSAS				

Contractor	MURFIN D&G RIG # 8	
Type Job	PRODUCTION STRING	
Hole Size	7 7/8	T.D.
Csg.	4 1/2	Depth
Size	PORT COLLAR @	Depth
Drill Pipe		Depth
Tool	AEU INSERT @	Depth
Cement Left in Csg.	26 7/16	Shoe Joint
Press Max.		Minimum
Meas Line	✓	Displace
Perf.		

Owner	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 # 1040	
City	Wichita	State
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.	X	
#	FP8	15# D3' CEMENT
Amount Ordered	200 SK Com.	500 GAL WER 2

EQUIPMENT		
Pumptrk	No. #177	Cementor RECEIVED
Pumptrk	No.	Help DEC 08 1994
Bulktrk	#213	Driver
Bulktrk		Driver

Consisting of	Common	200 ASC @ 750
	Poz. Mix	
	EP-8	3 @ 500
	ED-31	15 @ 425
	Quickset	
	W3D-2	500 gals @ 100
	Handling	@ 100
	Mileage	40 / 50 / 1 mile

DEPTH of Job		
Reference:	Pump Truck CHRG	980.00
	2 25 PER Mile	101.25
	1- 4 1/2 RUBBER PLUG	33.00
	Sub Total	
	Tax	
	Total	1114.25

Sales Tax	
Sub Total	
Total	
Floating Equipment	(OWN)

Remarks: P.D. @ 7:25 PM  
 FLOAT HELD  
 15 SK @ RAT HOLE

Handwritten notes and signatures in the bottom right section of the form.

sell, KS  
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. 7726 ORIGINAL

Home Office P. O. Box 31 Russell, Kansas 67665

Date	7-27-94	Sec.	23	Twp.	3	Range	19	Called Out	6:30am	On Location	9:00am	Job Start		Finish	5:45pm
Lease	EHM	Well No.	#1	Location	SPEED 6N 1/2 W N.S.			County	PHILIPS	State	KANSAS				

Contractor Hi PHAINS Well SERVICE

Type Job OPEN PORT COLLAR & CIRC. CEMENT

Hole Size 4 1/2" T.D.

Csg. 4 1/2" Depth

Tbg. Size 2" Depth

~~Dwell Pipe~~ (CLARK) Depth

Tool X-PERT Dig Tools Depth 1621' PORT COLLAR

Cement Left in Csg. Shoe Joint

Press Max. Minimum

Meas Line RECEIVED KANSAS CORPORATION DISPLACE

Perf. DEC 08 1994 EQUIPMENT CONSERVATION DIVISION WICHITA, KS

Pumptrk #	No.	Cement	<u>Sh</u>
#153		Helper	<u>Mark</u>
Pumptrk #	No.	Cement	
#213		Helper	
Bulktrk #		Driver	<u>Jason</u>
#282		Driver	<u>Steve</u>

DEPTH of Job	
Reference:	<u>Pump Truck CHRG 525.00</u>
	<u>225 Per mile 101.25</u>
	Sub Total <u>626.25</u>
	Tax
	Total

Remarks: BRIDGE PLUG @ 3100' SET PACKER & TEST TOOLS TO 1,000' & HELD. SPOT 25K SAND @ 1910' SPOT GEL @ 1621', OPENED PORT COLLAR & MIXED REST OF GEL. FOLLOWED W/ 200 SK CEMENT & CEMENT CIRCULATED TO SURFACE. DISPLACED 5 1/2 BBL & CLOSED PORT COLLAR, TEST TO 1,000' & (HELD). RAN 5 ITS & TUBING & CHRG. CLEAN. RAN TO BOTTOM & WASHED SAND OFF BRIDGE PLUG.

Owner  
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 #1040

City Wichita State Kan 67202

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

Purchase Order No. [Signature]

X 10 SK GEL CEMENT 2 SK SAND 2 SK SEAL

Amount Ordered 400 SK LITE (USED 200 SK)

Consisting of

Common

~~Pow-Mix~~ 200 LITE

Gel. 10

Chloride Flo Seal 50#

Quickset

Sand 2

Handling

Mileage 45m

Floating Equipment

WASH