

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 PBD

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 PBD 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 alt II 6-12-96
(Data must be collected from the Reserve Pit)

Chloride Content 800 ppm Fluid volume 892 bbis

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:

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KANSAS CORPORATION COMMISSION
Operator Name _____

04-18-96
APR 18 1996

Lease Name _____ License No. _____

CONSERVATION DIVISION
Quarter _____ Sec. WICHITA TOWNS 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 12/8/94

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

19 94

Notary Public Pamela K. Brannon

Date Commission Expires 11/18/98

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)

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	35	Bbls	Gas 0	Mcf Water 0	Bbls Gas-Oil Ratio Gravity 31

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

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.

4015

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-6-94	23	3	19W	12:01PM	2:00PM	6:55PM	7:25PM
Lease	Well No.	Location		County	State		
FHM	#1	SPEED 10N 1W 4N		PHILLIPS	KANSAS		

Contractor	MURFIN D&L RIG #8
Type Job	PRODUCTION STRING
Hole Size	7 7/8
Csg.	4 1/2
Drill Pipe	PORT CONAR @
Tool	AFU INSERT @
Cement Left in Csg.	26 7/8
Press Max.	
Meas Line	✓
Perf.	

Owner	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement 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	Kansas
Purchase Order No.	
X	
Amount Ordered	200 SK Com. 500 GAL WFR 2

EQUIPMENT

Pumptrk	No. #177	Cementer	
		Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#213	Driver	
Bulktrk		Driver	

Consisting of	
Common	200 ASC @ 750
Poz. Mix	
EP-8	3 @ 50
CD-31	15 @ 425
Quickset	
W3V-2	500 gal @ 100
Handling	@ 100
Mileage	41 / 20 / 1000
Sub Total	
Total	

DEPTH of Job	
Reference:	PUMP TRUCK CHRG
	2 25 PER MILE
	1- 4 1/2 RUBBER PLUG
Sub Total	
Tax	
Total	

Remarks: P.D. @ 7:25 PM
 FLOAT FIELD
 15 SKR RAT HOLE

Floating Equipment (OWN)
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 CONSERVATION DIVISION
 WICHITA, KS

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

Phone 913-825-5516, 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

7726

ORIGINAL

New

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

Contractor Hi Plains Well Service

Type Job OPEN PORT COLLAR & Circ. Cement

Hole Size	T.D.
Csg. <u>4 1/2"</u>	Depth
Tbg. Size <u>2"</u>	Depth
Dell Pipe <u>(CLARK)</u>	Depth
Tool <u>X-PERT Dib Tools</u>	Depth <u>1621' Port Collar</u>
Cement Left in Csg.	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

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
2 SK SAND CEMENT 2 SK SEAL
100 SK WITE (USED 200 SK)

EQUIPMENT

Pumptrk # <u>153</u>	No.	Cementor	<u>[Signature]</u>
		Helper	<u>Mark</u>
Pumptrk # <u>213</u>	No.	Cementor	
		Helper	
Bulktrk # <u>282</u>		Driver	<u>[Signature]</u>
		Driver	<u>[Signature]</u>

Consisting of

Common		
Port Collar <u>200 lite</u>	<u>475</u>	<u>[Redacted]</u>
Gel. <u>10</u>	<u>9.00</u>	<u>[Redacted]</u>
Chloride <u>Flaseal 50#</u>	<u>1.10</u>	<u>[Redacted]</u>
Quickset		
<u>Sand 2</u>	<u>5.00</u>	<u>[Redacted]</u>
	Sales Tax	
Handling	<u>1.00</u>	<u>[Redacted]</u>
Mileage <u>45m</u>	<u>.04</u>	<u>[Redacted]</u>
	Sub Total	<u>[Redacted]</u>
	Total	<u>[Redacted]</u>

DEPTH of Job

Reference:	<u>Pump Truck CURA</u>	<u>[Redacted]</u>
	<u>225 Per mile</u>	<u>[Redacted]</u>
	Sub Total	<u>[Redacted]</u>
	Tax	
	Total	<u>[Redacted]</u>

Remarks: BRIDGE Plug @ 3100' Set Packer & Test Tools To 1,000' & HELD. SPOT 2SK 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 JTS & TUBING & CBG Clean. RAN To Bottom & WASHED SAND OFF BRIDGE PLUG.

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CONSERVATION DIVISION
 WICHITA, KS

Phone 913-483-2627, Russell, KS
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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		On Location	6:20 PM	Job Start		Finish	7:30 PM
Lease	Ehm		Well No.	1		Location	Speed 6 N 2 W			Company	Phillips		State	KS	
Contractor	Martin Drly Rig 8														
Type Job	Surface														
Hole Size	12 1/4		T.D.	210											
Csg.	8 3/8		Depth	210											
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.	10' 15"		Shoe Joint												
Press Max.															
Meas Line			Displace	13 BBL											
Perf.															

Owner *Sarna*
 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 Beck*

CEMENT

Amount Ordered *140 60 3/4 CC 2 1/2 gal*

Consisting of	
Common	<i>84 @ 5 7/8</i>
Poz. Mix	<i>56 @ 3 00</i>
Gel.	<i>2 @ 9 00</i>
Chloride	<i>4 @ 25 00</i>
Quickset	

EQUIPMENT

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

Handling	<i>@ 1.00</i>	Sales Tax	
Mileage	<i>12 1/2 Miles</i>		
<i>25</i>		Sub Total	
		Total	

Floating Equipment

DEPTH of Job

Reference:	<i>Dump for chg</i>	
	<i>12 1/2 per mile</i>	
	<i>8 1/2 wooden plug</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *Cement Cir 15-20 sk*

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 KANSAS CORPORATION COMMISSION

APR 18 1996

CONSERVATION DIVISION
 WICHITA, KS