

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

API NO. 15- 147-20,570-00-00 **ORIGINAL**

County Phillips

Operator: License # 5011

SW SW SW Sec 23 Twp 3 Rge 19 E XW

Name: Viking Resources, Inc.

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

Address: 105 S. Broadway, Ste 1040

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

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

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

Purchaser: Texaco

Lease Name Ehm Well # 2

Operator Contact Person: Shawn Devlin

Field Name Stuttgart So.

Phone: (316) 262-2502

Producing Formation LKC

Contractor: Name: Murfin Drilling Co

Elevation: Ground 2071 KB 2076

License: 30606

Total Depth 3472 PBDT 3420

Wellsite Geologist: Bill Petersen

Amount of Surface Pipe Set and Cemented at 208 Feet

Designate Type of Completion

Multiple Stage Cementing Collar Used? X Yes No

New Well Re-Entry Workover

If yes, show depth set 1585 Feet

Oil SWD SIOW Temp. Abd.

If Alternate II completion, cement circulated from 1585

Gas ENHR SIGW

feet depth to surf w/ 225 sx cmt

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

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

Drilling Fluid Management Plan ALT 2 JH 11-19-96
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride Content 2000 ppm Fluid volume 500 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/SWD

Operator Name _____

Plug Back PBDT

Lease Name _____ License No. _____

Commingled Docket No. _____

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

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

6/21/96 6/26/96 7/18/96
Spud Date Date reached TD Completion Date

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

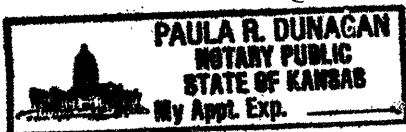
Title Vice President Date 8/23/96

Subscribed and sworn to before me this 23RD day of August

19 96

Notary Public Paula R. Dunagan

Date Commission Expires March 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 checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Ehm Well # 2
 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 type="checkbox"/> Yes <input checked="" 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	1586	490
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Anhy	1610	466
List All E. Logs Run: Gamma Neutron Radiation Guard		Topoka	2986	-910
		Heebner	3186	-1110
		Toronto	3208	-1132
		Lansing	3228	-1152
		BKC	3449	-1373

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#	208	60/40 Poz	140	2% gel, 3% cc
Production	7-7/8	4-1/2	10#	3471	ASC	200	10% salt 500 gal WFR2

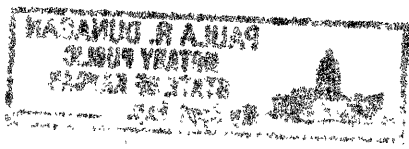
ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3377-3380	250 + 375 gal 28% NE	
4	3356-3359	250 + 375 gal 28% NE	
4	3300-3305	250 + 750 gal 28% NE	
4	3264-3267	250 gal 28% NE	
TUBING RECORD		Liner Run	
Size	Set At	Packer At	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2-3/8	3460	none	
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)	
8/16/96			
Estimated Production Oil	Gas	Mcf	Water
Per 24 Hours	50	0	2
Bbls			Bbls
			Gas-Oil Ratio
			Gravity
			35

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 3377-80
3300-05



ALLIED CEMENTING CO., INC.

6689

CONFIDENTIAL

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

SERVICE POINT:

Russell

ORIGINAL

DATE <u>6-24-96</u>	SEC. <u>23</u>	TWP. <u>3</u>	RANGE <u>19</u>	CALLED OUT <u>7:00am</u>	ON LOCATION <u>3:30pm</u>	JOB START	JOB FINISH <u>7:15pm</u>
LEASE <u>Ehm</u>	WELL# <u>2</u>	LOCATION <u>SN 1W Speed</u>			COUNTY <u>Phillips</u>	STATE <u>Ka</u>	

OLD OR NEW (Circle one)

CONTRACTOR MURPHY DRIS # 3

TYPE OF JOB SCREEN

HOLE SIZE 12 1/4 T.D. 208

CASING SIZE 8 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH RELEASED

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED

140 ML 6 1/4 3% CL 2% Gel

COMMON	<u>84</u>	@	<u>6.10</u>
POZMIX	<u>56</u>	@	<u>3.15</u>
GEL	<u>2</u>	@	<u>9.50</u>
CHLORIDE	<u>4</u>	@	<u>28.75</u>

FROM CONFIDENTIAL

EQUIPMENT

PUMP TRUCK CEMENTER Bill L

153 HELPER Dave

BULK TRUCK

_____ DRIVER

BULK TRUCK

213 DRIVER Darin

HANDLING @ 1.05

MILEAGE 44 / 50 / 100

AUG 23

CONFIDENTIAL

SERVICE

TOTAL

RECEIVED
KANSAS CORP COMM

REMARKS:

Ren site 8 5/8 102 @ 207

Cent. w/ 140 ml 6 1/4 3-2

Pump Plug w/ 12 1/4

Cent. did circulate

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE 67 @ 2.85

PLUG @ _____

TOTAL

CHARGE TO: Viking Res., Inc.

STREET 105 S. Broadway Ste. 1040

CITY Wichita STATE Ka ZIP 67202

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

ALLIED CEMENTING CO., INC. 7052

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

CONFIDENTIAL ORIGINAL

SERVICE POINT: Russell

DATE <u>1-25-96</u>	SEC. <u>23</u>	TWP. <u>3</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION <u>5:30 PM</u>	JOB START	JOB FINISH <u>9:55 PM</u>
LEASE <u>Ehm</u>	WELL# <u>3</u>	LOCATION <u>Speed 7N 1W 1/4 NE Side</u>			COUNTY <u>Phillips</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR Murfin

TYPE OF JOB Prod String

HOLE SIZE 7 7/8 T.D. 3472

CASING SIZE 4 1/2 DEPTH 3471

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 20'

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED 300 ASC 10% Salt
500 gal WFR2

EQUIPMENT

PUMP TRUCK CEMENTER McAdoo

177 HELPER Glen

BULK TRUCK

213 DRIVER Darin

BULK TRUCK

DRIVER

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
ASC	<u>200</u>	@ <u>7.85</u>
Salt	<u>18</u>	@ <u>7.00</u>
WFR2	<u>500 gal</u>	@ <u>1.00</u>
HANDLING	@	<u>1.05</u>
MILEAGE	<u>44 / 50 / Mile</u>	@ <u>1.10</u>
		TOTAL <u>11:02</u>

REMARKS:

Cent on 1-3-5-7-9-47

Part Callor on 4 1/2 Basket on 45

2.2 @ 9:55 PM from below

AUG 23
CONFIDENTIAL SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE 69 @ 2.85

PLUG 4 1/2 P. Drive @ _____

TOTAL _____

CHARGE TO: Viking Res

STREET 105 S Broadway #1047

CITY Wichita STATE Kansas ZIP 67202

FLOAT EQUIPMENT

4 1/2

Guide shoe @ _____

Insert @ _____

6 cent @ 53.00

1 Basket @ _____

1 Part Callor @ _____

RELEASED
MAR 23 1998

FROM CONFIDENTIAL

RECEIVED
KANSAS CORP COMM

ALLIED CEMENTING CO., INC. 6860

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

CONFIDENTIAL ORIGINAL

SERVICE POINT:

Russell

DATE <u>7-1-96</u>	SEC.	TWP.	RANGE	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>11:45 AM</u>	JOB START <u>12:15 PM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>Enm</u>	WELL # <u>2</u>	LOCATION <u>Speed bn 1w 1/4 1/4 e.</u>			COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR Paul's Well Service

TYPE OF JOB Open Port Collar

HOLE SIZE _____ T.D. _____

CASING SIZE 4 1/2 DEPTH _____

TUBING SIZE 2 3/8 DEPTH _____

~~DRILL PIPE~~ (CIRK) DEPTH (Port Collar)

TOOL Expert Oil Tools DEPTH 1585

PRES. MAX 1,000# MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER _____

CEMENT

(USED 225 SK)
AMOUNT ORDERED 4.50 SK 6 1/4 6 7/8 GEL
1/4# FLO-SEAL Per SK

COMMON	<u>135 @ 6.10</u>
POZMIX	<u>90 @ 3.15</u>
GEL	<u>12 @ 9.50</u>
CHLORIDE	@ _____
<u>FloSeal</u>	<u>56# @ 1.15</u>
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
HANDLING	@ <u>1.05</u>
MILEAGE <u>16.6 km</u>	<u>.04</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Glenn</u>
# <u>177</u>	HELPER <u>Will</u>
BULK TRUCK	
# <u>254</u>	DRIVER <u>Darin</u>
BULK TRUCK	
# _____	DRIVER _____

TOTAL _____

AUG 23
CONFIDENTIAL

SERVICE

REMARKS:

LOAD TUBING w/ GEL (3 SK)
TEST CSG TO LOG# (HOLD) OPEN
Port Collar & Received Circ. Mixing
7 SK GEL, Mixed 225 SK Cement, &
Cement Circulated To Surface
Chased Port Collar, & TEST TO
LOG# (HOLD) RAN 5 JTS, & WASHED
CLEAN.

Shank

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>68</u>	@ <u>285</u>
PLUG _____	@ _____
_____	@ _____
_____	@ _____

CHARGE TO: Viking Resources, Inc.

STREET 105 S Broad way # 1040

CITY Wichita STATE Kan ZIP 67202

RELEASED
MAR 23 1998

TOTAL _____

FROM CONFIDENTIAL FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____