

FORM MUST BE TYPED

SIDE ONE

15-147-20562-00-00

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

API NO. 15-147-20562 ORIGINAL

County Phillips

NW SE NW _____ Sec 26 Twp 3 Rge 19 X W E

3630 Feet from S /N (circle one) Line of Section

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

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

Lease Name Grau Well # #2

Field Name Stuttgart

Producing Formation LKC

Elevation: Ground 2074 KB 2079

Total Depth 3450 PBTD 3450

Amount of Surface Pipe Set and Cemented at 209.45 Feet

Multiple Stage Cementing Collar Used? X Yes _____ No

If yes, show depth set 1546 Feet

If Alternate II completion, cement circulated from 1546

feet depth to 450 w/ 300 sx cmt

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: Mallard JV, Inc

License: 4958

Wellsite Geologist: Bill Petersen

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover

X 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 _____ PBTD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

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

7/26/95 7/31/95 8/22/95
Spud Date Date reached TD Completion Date

Drilling Fluid Management Plan all it 6-3-96
(Data must be collected from the Reserve Pit) RW

Chloride Content 20000 ppm Fluid volume 500 bbls

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

1996 FEB 26 9:32 AM
KANSAS CORPORATION COMMISSION
2-26-96
RW

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 2/22/96

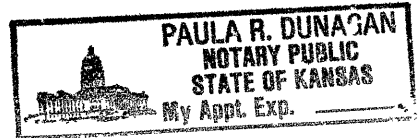
Subscribed and sworn to before me this 22nd day of Feb

19 96

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 X Geologist Report Received
Distribution
X KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other
(Specify)



SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Grau Well # #2
 Sec 26 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	1572	507
Electric Log Run (Submit Copy)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Base Anhydrite	1602	477
List All E. Logs Run:		Topeka	2974	-895
		Heebner	3170	-1091
		Lansing	3214	-1135
		BKC	3434	-1355

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	23#	209.45	60/40 Poz	150	2% gel, 3% cc
Production	7-7/8	4-1/2	14#	3450	ASC	200	10% salt

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 <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	450-surf	60/40 poz	125	6% gel

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	3366-69	250 gal 15% NE
4	3291-93	250 + 300 gal 15% NE
4	3270-73	300 gal 15% NE
4	3254-57	250 + 300 gal 15% NE
TUBING RECORD		Liner Run
Size	Set At	Packer At
2-3/8	3440	3200
Date of First, Resumed Production, SWD or Inj	Producing Method	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8/25/95	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Oil	Gas	Water
Per 24 Hours	Bbls	Mcf
45	0	0
		Gravity
		33

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 3369-3254

ALLIED CEMENTING CO., INC.

3232

TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:
Russell

DATE <u>7-26-95</u>	SEC <u>26</u>	TWP <u>3</u>	RANGE <u>19</u>	CALLED OUT <u>5:00 P.m</u>	ON LOCATION <u>7:30 AM</u>	JOB START	JOB FINISH <u>9:30 AM</u>
LEASE <u>Gran</u>	WELL # <u>2</u>	LOCATION <u>6N Speed</u>			COUNTY <u>Phillips</u>	STATE <u>Ka</u>	

OLD OR NEW (Circle one)

CONTRACTOR mallard ORlg.

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 210

CASING SIZE 8 3/4 #23 DEPTH 209

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 210

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

OWNER Same

CEMENT

AMOUNT ORDERED

150 sk 60/40 3% CC 2% Ge 1

COMMON	<u>90 @</u>	<u>6.10</u>	
POZMIX	<u>60 @</u>	<u>3.15</u>	
GEL	<u>3 @</u>	<u>9.50</u>	
CHLORIDE	<u>5 @</u>	<u>28.00</u>	

EQUIPMENT

PUMP TRUCK CEMENTER Bill L

177 HELPER Glen

BULK TRUCK

_____ DRIVER _____

BULK TRUCK

282 DRIVER Steve

HANDLING 150 @ 1.05

MILEAGE 44 Sk 1 Mile

TOTAL 9.32

KANSAS COMM 81

REMARKS:

SERVICE

Pipe set c 209

Cement w/ 150 sk 60/40 3-2

pump plug w/ 2 1/2 bbls water

Cement did circulate

Thanks

DEPTH OF JOB 210

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE 67 @ 2.35

PLUG 1-wood 8 3/4 @ _____

CHARGE TO: Viking Res.

STREET 105 S Broadway Ste. 1040

CITY Wichita STATE Ks ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

ALLIED CEMENTING CO., INC.

3322

O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT Russell

<u>7-30-95</u>	SEC. <u>26</u>	TWP. <u>3</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION <u>9:30 PM</u>	JOB START	JOB FINISH <u>1:30 AM</u>
<u>SE Gran</u>	WELL # <u>2</u>	LOCATION <u>Speed 6N 3/4 W 2S</u>			COUNTY <u>Phillips</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR Mallard
 TYPE OF JOB Prod String 4 1/2"
 HOLE SIZE 7 7/8" T.D. 3450'
 CASING SIZE 4 1/2" DEPTH 3449'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL 47 1/2" Port Collar DEPTH 1546'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 1749
 CEMENT LEFT IN CSG.
 PERFS.

OWNER _____
 CEMENT
 AMOUNT ORDERED 200 SKS ASC
10% Salt 500 gal WFR 2

EQUIPMENT

PUMP TRUCK CEMENTER M. Adoo
 # 153 HELPER Mark D
 BULK TRUCK
 # 282 DRIVER Steve T
 BULK TRUCK
 # DRIVER

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
<u>Salt 14</u>	@	<u>7.00</u>	
<u>WFR 2 500 gal</u>	@	<u>1.00</u>	
<u>ASC 200 SKS</u>	@		<u>7.95</u>
HANDLING	@		
MILEAGE <u>4 1/2 Hr / Mile</u>	@		
		TOTAL	<u>9.32</u>

KANSAS CORP COMM RECEIVED

REMARKS:

SERVICE

Cent on 7-3-5-7-9-11-45
Basket on 46 Port Collar on
Top 47
Pump 1:58 AM float

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE @ _____
 MILEAGE 67 @ 2.35
 PLUG 4 1/2 Rubber @ 38.81

CHARGE TO: Viking Resources Inc.
 STREET 105 S Broadway # 1040
 CITY Wichita STATE Kansas ZIP 67202

FLOAT EQUIPMENT

4 1/2"
Guide shoe @ _____
Insert @ _____
7 cent @ 53.00
4 Basket @ _____

327, Russell, KS
 -5861, Great Bend, KS

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

ORIGINAL
 Phone 916-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

7488

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	8-18-95	Sec.	26	Twp.	35	Range	19W	Called Out		On Location	9:15 AM	Job Start		Finish	2:00 PM		
Lease	Cran	Well No.	2	Location	Speed 6N 4W 4S			County	Phillips	State	KS						
Contractor	Pauls Well Service											Owner					
Type Job	Port Collar											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.					
Hole Size	4 1/2"											Charge To	Viking Resources				
Csg.	2"											Street	105 S Broadway #1010				
Tbg. Size												City	Wichita		State	Kansas 67202	
Drill Pipe												The above was done to satisfaction and supervision of owner agent or contractor.					
Tool	Baker											Purchase Order No.	6-110				
Cement Left in Csg.												X					
Press Max.												1 sand CEMENT 4/16 Halls					
Meas Line												Amount Ordered	300 lbs 6% gel 4/16 flowcol				
Perf.												Consisting of					

EQUIPMENT		
Pumptrk	No. 153	Cementer Dave
		Helper Mark
Pumptrk	No.	Cementer
		Helper
Bulktrk	254	Driver Paul
Bulktrk		Driver

DEPTH of Job		
Reference:	pump trk chy	550 @
	2 3/8 Per mile	159 @
	Sub Total	
	Tax	
	Total	709 @

Remarks: set plug @ 3168 tested @ 1000psi + held spot 1 sand. spot 10 slt open tool, had cir right away, skewed down + quit, started cir after about 25 slt mixed, + quit after app 150 slt mixed all of cement, no circulation of cement closed tool Ran 5 slt + wash cement out pulled tubing + headed hole for survey.

Common	180 @ 6.10	1080
Poz. Mix	120 @ 2.25	270
Gel.	15 @ 9.00	135
Quickset	1 @ 5.25	5.25
Flowcol	75 @ 1.50	112.5
Handling	1.05	32
Mileage	40 / Slr / Mile	68
Sub Total		
Total		

KANSAS ODP RECEIVED

ALLIED^D CEMENTING CO., INC.

4918

TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Russell

DATE <u>8-21-95</u>	SEC. <u>26</u>	TWP. <u>3 S</u>	RANGE <u>19 W</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>8:45 AM</u>	JOB START <u>10:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>GRAU</u>	WELL# <u>2</u>	LOCATION <u>SPEED 6 N 3/4 W 1/4 S</u>			COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Paul's Well Service
TYPE OF JOB Cement Annulus
HOLE SIZE _____ T.D. _____
CASING SIZE 4 1/2 DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 500# MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 SK 60/40 6% Gel
(USED 125 SK)

COMMON	<u>75</u>	@	<u>6.10</u>	
POZMIX	<u>50</u>	@	<u>3.15</u>	
GEL	<u>9</u>	@	<u>9.50</u>	
CHLORIDE	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	_____	@	<u>1.05</u>	
MILEAGE	<u>441 Sk</u>	/	<u>Mile</u>	
TOTAL				

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Albin</u>
# <u>177</u>	HELPER <u>Will</u>
BULK TRUCK	DRIVER <u>Paul</u>
# <u>160</u>	DRIVER _____

REMARKS:

Temp. Survey - Top Cement @ 450'
Pressured 4 1/2 CSG to 500#
Mixed 125 SK Cement Between
8 5/8 & 4 1/2 CSG @ 500#
MAX. PST, SHUT IN @ 100#.
WASHED SAND OFF BRIDGE PLUG
& LOAD Hole w/ oil
Shanks

SERVICE

DEPTH OF JOB	_____	_____	_____	
PUMP TRUCK CHARGE	_____	_____		
EXTRA FOOTAGE	_____	@	_____	
MILEAGE	<u>68</u>	@	<u>2.35</u>	
PLUG	_____	@	_____	
_____	_____	@	_____	
_____	_____	@	_____	
TOTAL				

CHARGE TO: Viking Resources
STREET 305 S. Broadway # 1010
CITY Wichita STATE Kansas ZIP 67202

FLOAT EQUIPMENT

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