

15-147-20561-00-00

ORIGINAL

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

API NO. 15-147-20561

County Phillips

NE NW NW Sec 26 Twp 3 Rge 19 ^EXW

4950 Feet from S /N (circle one) Line of Section

4290 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 # #3

Field Name Stuttgart

Producing Formation LKC

Elevation: Ground 2077 KB 2082

Total Depth 3455 PBTD 3455

Amount of Surface Pipe Set and Cemented at 208 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1565 Feet

If Alternate II completion, cement circulated from 1565

feet depth to 600 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

New Well Re-Entry Workover

Oil SWD SLOW 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. _____

7/31/95 8/5/95
Spud Date Date reached TD Completion Date

Drilling Fluid Management Plan alt II 6-3-96
(Data must be collected from the Reserve Pit) lu

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. _____

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KANSAS CORP COM
1996 FEB 26 AM 8:36

2-26-96

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.

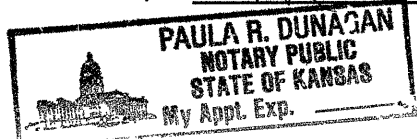
Signature Shawn P. Devlin

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

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Grau Well # #3
 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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input 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	1584	498
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Anhydrite	1610	472
List All E. Logs Run: Radiation Guard		Topeka	2984	-902
		Heebner	3180	-1098
		Toronto	3205	-1123
		Lansing	3222	-1140
		BKC	3441	-1359

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#	208	60/40 Poz	150	2% gel, 3% cc
Production	7-7/8	4-1/2	14#	3454	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 checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	600-surf	60/40 poz	120	8% gel

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	3418-21		250 + 500 gal 15% NE	
4	3394-97		250 + 500 gal 15% NE	
4	3372-75		250 + 500 gal 15% NE	
4	3302-05		250 gal 15% NE	
TUBING RECORD				
Size		Set At	Packer At	Liner Run
2-3/8		3440	3200	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj			Producing Method	
9/2/95			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production	Oil	Bbls	Gas	Mcf
Per 24 Hours	35		0	0
			Water	Bbls
				0
			Gas-Oil Ratio	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 3421-3372

NO ~~TEST~~ DST'S

~~Summary~~: Additional Perfs:
~~Recovery~~: 3276-79 (4 SPF)
~~Recovery~~: 250 gal 15% NE

ORIGINAL

~~Summary~~: Additional Perfs:
~~Recovery~~: 3260-63 (4 SPF)
~~Recovery~~: 250 gal 15% NE

RECEIVED
KANSAS CORP COMM
1996 FEB 26 A 9:36

ALLIED CEMENTING CO., INC.

3324

P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Russell

7-31-95	SEC. 26	TWP. 3	RANGE 19	CALLED OUT	ON LOCATION 5 PM	JOB START	JOB FINISH 7:55 pm
EASE <u>Gran</u>	WELL # 3	LOCATION <u>Speed 6N 3/4 W</u>			COUNTY <u>Phillips</u>	STATE <u>Kan</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR <u>Mallard</u>	OWNER
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>209</u>	
CASING SIZE <u>8 3/8</u> DEPTH <u>208</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG. <u>10'</u>	
PERFS.	

AMOUNT ORDERED <u>150 40 3+2</u>	
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 # <u>153</u>	CEMENTER <u>McAdoo</u>
	HELPER <u>Dave F</u>
BULK TRUCK # <u>282</u>	DRIVER <u>Steve T</u>
BULK TRUCK #	DRIVER

HANDLING	
MILEAGE <u>42 / 30 / Mid</u>	

REMARKS:

Cement Did Cin

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>10.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>67</u> @ <u>2.35</u>	<u>157.45</u>
PLUG <u>8 5/8 Wooden</u> @	<u>18.00</u>

TOTAL

CHARGE TO: Viking Res
STREET 105 S Broadway #100
CITY Wichita STATE Kansas ZIP 67202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	

KANSAS BULK CEMENT
 105 S Broadway
 Wichita, KS 67202
 A 9:36

ALLIED CEMENTING CO., INC. 4916

O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

ORIGINAL

M. Night

8-4-95	SEC. 26	TWP. 3	RANGE 19	CALLED OUT 8:00PM	ON LOCATION 11:45PM	JOB START 3:45AM	JOB FINISH 4:30AM
ASE GRAU	WELL# 3	LOCATION Speed on low into			COUNTY PHILLIPS	STATE KANSAS	

OLD OR NEW (Circle one)

CONTRACTOR MAHARD DRIG. RIG #2
 TYPE OF JOB PRODUCTION STRING
 HOLE SIZE 7/8 T.D. 3455'
 CASING SIZE 4 1/2 DEPTH 3454'
~~PIPE~~ SIZE 8 5/8 SURFACE DEPTH 208'
~~PIPE~~ PORT COLLAR DEPTH 1565'
 TOOL AFU INSERT DEPTH 3440'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 15'
 CEMENT LEFT IN CSG. _____
 PERFS. 56 1/2 BBL

OWNER _____
 CEMENT
 AMOUNT ORDERED 200 SK ASC., 10% SALT
500 GAL. WFR² MUD FLUSH

COMMON _____	@ _____	
POZMIX _____	@ _____	
GEL _____	@ _____	
CHLORIDE _____	@ _____	
<u>ASC 200</u>	@ <u>7.85</u>	<u>1570.00</u>
<u>SALT 20</u>	@ <u>7.00</u>	<u>1400.00</u>
<u>WFR² 500gal</u>	@ <u>1.00</u>	<u>500.00</u>
_____	@ _____	
HANDLING _____	@ <u>1.05</u>	<u>52.50</u>
MILEAGE <u>67m</u>	<u>.04</u>	<u>2.68</u>
		<u>3525.18</u>
	TOTAL	<u>3525.18</u>

EQUIPMENT

PUMP TRUCK CEMENTER Ellen
 # 177 HELPER Will
 BULK TRUCK
 # 282 DRIVER Paul
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

FLOAT DID NOT HOLD
10 SK @ Mouse Hole
15 SK @ RAT Hole
[Signature]

SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>1570.00</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>67m</u>	@ <u>2.35</u>
PLUG <u>1-4 1/2 RUBBER</u>	@ _____
_____	@ _____
_____	@ _____
	TOTAL <u>1570.00</u>

CHARGE TO: VIKING Resources
 STREET 105 S Broadway, # 1040
 CITY Wichita STATE Kan ZIP 67202
4224

FLOAT EQUIPMENT

"BAKER"	
1-Guide Shoe _____	@ _____
1-AFU INSERT _____	@ _____
1-BASKET _____	@ _____
6-CENT "THRO"	@ _____

ALLIED CEMENTING CO., INC.

4925

P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Russell

DATE <u>8-30-95</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>8:30 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>GRAU</u>	WELL # <u>3</u>	LOCATION <u>Speed 6 N 2 W 1/4 S into</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 (Circ. Cement)

OWNER Same

HOLE SIZE _____ T.D. _____
CASING SIZE 4 1/2" DEPTH _____
TUBING SIZE 2" DEPTH _____
~~DRILL PIPE~~ (CLARK) DEPTH _____
TOOL X-PERT OIL TOOLS DEPTH _____
PRES. MAX 1,000 # MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____

CEMENT
AMOUNT ORDERED 300 SK 6/40 Lite
1 SK SAND 1/4" FLO-SEAL
10 SK GEL

~~PERFS.~~ PORT COLLAR @ 1558

COMMON	<u>180</u>	@	<u>610</u>	<u>30</u>
POZMIX	<u>120</u>	@	<u>315</u>	<u>30</u>
GEL	<u>26</u>	@	<u>950</u>	<u>30</u>
CHLORIDE		@		<u>30</u>
<u>F10 Seal</u>	<u>75</u>	@	<u>115</u>	<u>30</u>
<u>Sand</u>	<u>1</u>	@	<u>525</u>	<u>30</u>
		@		<u>30</u>
		@		<u>30</u>
		@		<u>30</u>
HANDLING		@	<u>105</u>	<u>30</u>
MILEAGE <u>68 m</u>		@		<u>30</u>

EQUIPMENT

PUMP TRUCK CEMENTER Shane
177 HELPER Will
BULK TRUCK
146 DRIVER Paul
BULK TRUCK
_____ DRIVER _____

REMARKS:

BRIDGE Plug @ 2995' Test Tools To 1000# (HOLD)
Spot 1SK SAND @ 2979'. Came up & OPENED
PORT COLLAR. Mixed 100 SK cement
Followed by 300 SK Cement @ 500# MAX PSI
HAD SOME CIRCULATION OFF & ON THROUGH
Cementing. Cement DID NOT CIRCULATE
Closed PORT COLLAR & Rechecked To 1,000#
& HELD. RUN TEMP Survey IN MORNING.

SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE 68 @ 235 _____
PLUG _____ @ _____
_____ @ _____
_____ @ _____

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FEB 6 9 30 AM '96

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

FLOAT EQUIPMENT

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

ALLIED CEMENTING CO., INC.

2350

TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:
Russell

DATE <u>8-31-95</u>	SEC. <u>26</u>	TWP. <u>3 S</u>	RANGE <u>19 W</u>	CALLED OUT <u>4:30 AM</u>	ON LOCATION <u>7:00 AM</u>	JOB START <u>7:15 AM</u>	JOB FINISH
LEASE <u>GRAU</u>	WELL # <u>3</u>	LOCATION <u>Speed 6N 2W 1/4 S into</u>			COUNTY <u>Phillips</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Paul's Well Service</u>	OWNER <u>same</u>	<u>150 SK</u>
TYPE OF JOB <u>(Temp Survey) Cement Down ANNULAS</u>	CEMENT	
HOLE SIZE T.D.	AMOUNT ORDERED <u>(USED) 100 SK 60/40 8% GEL</u>	
CASING SIZE <u>4 1/2"</u>	DEPTH	
TUBING SIZE <u>2"</u>	DEPTH	
DRILL PIPE	DEPTH	
TOOL PORT COLLAR	DEPTH <u>1558'</u>	
PRES. MAX <u>500 #</u>	MINIMUM <u>200 #</u>	
MEAS. LINE	SHOE JOINT	
CEMENT LEFT IN CSG.		
PERFS <u>TOP Cement @ 600'</u>		

COMMON	<u>72</u>	@	<u>610</u>	
POZMIX	<u>18</u>	@	<u>315</u>	
GEL	<u>7</u>	@	<u>950</u>	
CHLORIDE		@		
		@		
		@		
		@		
		@		
		@		
HANDLING		@	<u>1.05</u>	
MILEAGE <u>68m</u>			<u>.04</u>	
TOTAL				

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Mike</u>
# <u>177</u>	HELPER <u>Will</u>
BULK TRUCK	
# <u>213</u>	DRIVER <u>Steve</u>
BULK TRUCK	
#	DRIVER

REMARKS:

Ran Temp Survey & FOUND TOP OF Cement @ 600' NOTIFIED STATE PLUGGER CARL GODDROW. REQUESTED 100 SK DOWN ANNULAS. MIXED 100 SK 60/40 8% GEL @ 200# MAX PSE. SHUT IN @ 100#. RAN DOWN TO BRIDGE PLUG. 2995' & WASHED SAND OFF. CIRCULATED HOLE FULL W/ OIL.

Shoub

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG	@
	@
	@
TOTAL	

CHARGE TO: VIKING Resources Inc.
STREET 105 S Broadway, # 1040
CITY Wichita STATE Kan ZIP 67202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	