

21,237 - 0008

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- 155-21,327

County Reno

SW - SW - SW Sec. 9 Twp. 25 Rge. 9 XW

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

330 Feet from E W (circle one) Line of Section

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

Lease Name Borth Well # 1

Field Name Langdon

Producing Formation NONE

Elevation: Ground 1698 KB 1707

Total Depth 4103 PBDT

Amount of Surface Pipe Set and Cemented at 175' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) 6-18-91

Chloride content 50,000 ppm Fluid volume 1225 bbls

Dewatering method used evaporate and backfill

Location of fluid disposal if hauled offsite:

Operator Name Gee Oil Company

Lease Name Rogers License No. 0-3541

NW Quarter Sec. 34 Twp. 23 S Rng. 13 EW

County Stafford Docket No. D-23,350

Operator: License # 5011

Name: Viking Resources, Inc.

Address 105 S. Broadway

Suite 1040

City/State/Zip Wichita, KS 67202

Purchaser: NONE

Operator Contact Person: James R. Devlin

Phone (316) 262-2502

Contractor: Name: Sterling Drilling Company

License: _____

Wellsite Geologist: Rob Patton

Designate Type of Completion _____

_____ New Well _____ Re-Entry _____ Workover

_____ Oil _____ SWD _____ SLOW _____ Temp. WAB
_____ Gas _____ ENHR _____ SIGH
X _____ Dry _____ Other (Core, WSW, Expl., Cartridge)

If Workover:

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. _____

12/8/92 12/14/92
Spud Date Date Reached TD Completion Date

KCC

CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Shirley P. Dahl

Title Vice President Date 2/25/93

Subscribed and sworn to before me this 26th day of February, 1993.

Notary Public Cynthia J. Myers

Date Commission Expires 5/7/96

CYNTHIA J. MYERS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5/7/96

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C _____ Geologist Report Received
Distribution
 KCC SWD/RP NGPA
 KGS Plug Other
(Specify)

Form ACO-1 (7-91)

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APR 7 1994

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STATE CORPORATION COMMISSION
3-2-93
MAR 2 1993
CONSERVATION DIVISION
Wichita, Kansas

11/10/80

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Borth Well # 1
 Sec. 9 Twp. 25 Rge. 9 East West
 County Reno

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 sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E-Logs Run: Dual induction density

Log Sample
 Formation (Top), Depth and Datums
 Name Top Datum
 Heebner 3183 -1476
 Mississippi 3867 -2160
 KH 4013 -2306
See attached for DST
 DST 3846-86 Rec 70' Mud BHP 315/145
 DST 3654-3740 Rec 30' Mud by wtr + 300' wtr
 BHP 1506/1506

CASING RECORD <input 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#	175	60/40	175	2% gel 3% CCL

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

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

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

AMERICAN OIL

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DST RESULTS

VIKING RESOURCES, INC.
BORTH #1
9-25-9W RENO COUNTY

DST #1: 12/12/92

Interval: 3846'-3886', Miss

Times: 30'-60'-60'-75'

Pressures: BHP 315/145
FP 85/85, 115/40
HP 1865/1855

Temperature: 117

Recovered: 70' mud, 3760' Gas In Pipe.

Gas to surface in final shut-in in 74 minutes.

Weak to a very strong blow on both flow periods.

DST #2: 12/14/92

Interval: 3654'-3740', Kansas City

Times: 30'-45'-30'-60'

Pressures: BHP 1506/1506
FP 111/144, 189/222
HP 1881/1782

Temperature: 112

Recovered: 30' muddy water w/ show oil.

180' slightly muddy water w/ very slight trace oil.

120' very slightly muddy water.

Weak blow built to 10" first flow, weak blow built to 6" second flow.

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Wichita, Kansas

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DAILY DRILLING REPORT

FROM CONFIDENTIAL

BORTH #1

SW SW 9-25-9W
330' FSL 330' FWL
Reno County, Kansas
API# 15-155-21,237

Geologist: Rob Patton
Elevation: 1698 GL
1707 KB
Contractor: Sterling Drilling

ORIGINAL

12/8/92 Spud 2:00 p.m. 12/7. Drilled 178', set
163.87' 4 jts 20# 8-5/8" set @ 178' w/ 175 sx
60/40 poz, 2% gel 4% cc PD @5:25 p.m. by
Allied. Drilling ahead @ 178'.

LOG TOPS:
Heebner 3183 (-1476)
Brown LS 3365 (-1658)
Miss 3867 (-2160)
Kinderhook 3936 (-2229)
RTD 4013 (-2306)
LTD 4011 (-2304)

12/9/92 DA @ 1740'.

12/10/92 DA @ 2750'.

12/11/92 DA @ 3220'.

12/12/92 Made short trip @ 3800'.

12/13/92 DA @ 3995'.

12/14/92 TD 4013'. Ran DST #1, (3846-86), 30-60-60-75.
Weak to very strong blow on IFP & FFP. GTS on FSI in 74
minutes. Rec. 70' drilling mud, 3760' GIP. BHP: 315/145,
FP:85/85, 115/40. HP: 1865/1855.
DST #2 (3654-3740), 30-45-30-60. Weak building blow-
built to 10" into water. Rec. 30' muddy water w/ show oil,
180' slightly muddy water w/ very slight trace oil, 120' very slightly
muddy water. Logged and plugged as follows:
1340' w/ 35 sx, 180' w/55 sx to surface 60/40 poz, 4% gel,
rathole w/ 15 sx. Complete 8:15 a.m. 12/14/92 by Allied Cement.
Jack Luthi authorized, but was not present.

Note: Sample tops 1' off log tops.

NOTE: Fluids must be hauled off ASAP.

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CONSERVATION DIVISION
Wichita, Kansas

STERLING DRILLING COMPANY

BOX 129

STERLING, KANSAS 67579

December 15, 1992

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APR 7 1994

FROM CONFIDENTIAL

SAMPLE LOG-----Borth #1
Located SW-SW-SW, Sec. 9, T25S-R9W, Reno County, Kansas

ORIGINAL

OWNER: Viking Resources, Inc.

ROTARY DRILLING CONTRACTOR: Sterling Drilling Company

COMMENCED: 12-7-92

COMPLETED: 12-14-92

TOTAL DEPTH: 4013' K.B. Driller
4011' K.B. Logger

LOG

0' - 90'	Surface Soil & Sand
90' - 178'	Red Bed
178' - 1437'	Shale
1437' - 4013'	Lime & Shale

CASING RECORD

Spud at 2:00 p.m. 12-7-92
Drilled 178' of 12½" hole,
Ran 4 joints of 8 5/8" 20#
new casing 163.87' pipe set
at 175' K.B. cemented with
175 sacks of 60x40 pozmix
with 2% gel and 4% CC, Plug
down at 5:45 P.M. 12-7-92 by
Allied Cementing Company, with
good returns to surface.

DEVIATION SURVEY

4013' at 1°

Plugged as follows:
Heavy mud to 1340' with 35
sacks; Heavy mud to 900' with
35 sacks; Heavy mud to 180'
with 55 sacks at 180' to sur-
face, used 60x40 pozmix with
4% gel, plugged rathole with
15 sacks (All plugs were set
through open ended drill pipe)
Job completed at 8:15 a.m.
12-14-92 by Allied Cementing.
Ticket #1085 Jack Luthi was
not there, Vaughn Thompson
was Sterling Drilling Company's
witness.

REGISTRAR'S
STATE CORPORATION COMMISSION

MAR 2 1993

CONSERVATION DIVISION
Wichita, Kansas

RELEASED

ORIGINAL

Phone 913-483-2627, Russell, Kansas

APR 7 1994

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

FROM CONFIDENTIAL

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

3470

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	12-7-92	Sec.	9	Twp.	25	Range	9	Called Out	2:30 pm	On Location	4:00 pm	Job Start	5:15 pm	Finish	5:45 pm
Lease	Borth	Well No.	1	Location	Langdon	2N-E into	RENO	County	Ks	State					

Contractor	Sterling Dns	
Type Job	SURFACE	
Hole Size	12 1/4	T.D.
Csg.	8 5/8	Depth
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.	15'	Shoe Joint
Press Max.		Minimum
Meas Line		Displace
Perf.		10.60

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	WIKINS Resources Inc.
Street	105 S. Broadway #1040
City	Wichita, State Ks 67202
The above was done to satisfaction and supervision of owner agent or contractor.	

Purchase Order No.	
X	1. V. L. Thompson
CEMENT	

Amount Ordered	175 SK ^{60%} 40	2+4
Consisting of		
Common	105	5.50
Poz. Mix	70	2.50
Gel.	4	6.75
Chloride	7	21.00
Quickset		

EQUIPMENT

Pumptrk	No. 195	Cementer	Don H
		Helper	Kent R
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	68	Driver	RICK
Bulktrk		Driver	

Handling	175	1.00
Mileage	28	
Sub-Total		
Total		

DEPTH of Job	
Reference:	1 8 3/8 PLUG
	Pump Truck
	28 Mileage
	Sub-Total
	Tax
	Total

Floating Equipment	
TOTAL \$	
Disc -	
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2 1993	

Remarks: Cement Did Circulate

By Allied Cementing

Thanks Don Haire

RELEASED

ORIGINAL

Phone 913-483-2627, Russell, Kansas

APR 7 1994

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

FROM CONFIDENTIAL

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1085

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date	12-14-92	Sec.	9	Twp.	25	Range	9	Called Out	1:00 AM	On Location	5:00 AM	Job Start	6:00 AM	Time	6:00 AM
Lease	Borth	Well No.	#1	Location	Langdon 2N 4E5			County	Peno	State	KS				
Contractor	Sterling Drilling Rig #4							Owner	SAME						
Type Job	Rotary Plug							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	7 7/8	T.D.	4013 ft												
Csg.		Depth													
Tbg. Size		Depth													
Drill Pipe	4 1/2	Depth	13410 ft												
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.															
EQUIPMENT															
<i>Great Bend</i>															
Pumptrk	No.	Cementer	<i>Mike</i>												
Pumptrk	No.	Helper	<i>Dance</i>												
Pumptrk	No.	Cementer													
Pumptrk	No.	Helper													
Bulktrk	No.	Driver	<i>Rick B.</i>												
Bulktrk	No.	Driver													
DEPTH of Job <i>13410 ft</i>															
Reference:	<i>28 Pump truck charge</i>														
	<i>28 Mileage charge</i>														
	28 Mileage charge														
	Sub-Total														
	Total														
Remarks:	<i>Mixed 35 sh at 13110 ft 35 sh at 900 ft 35 sh from 190 ft to surface 15 sh in Rot Hole</i>														
Allied Cementing Co. Inc. <i>Mont 604 92</i> <i>Milo Amosel</i>															
Charge To	<i>Viking Resources Inc</i>														
Street	<i>105 S. Broadway #1040</i>														
City	<i>Wichita</i>													State	<i>Ks 67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.															
Purchase Order No.	<i>X V.L. Thompson Thank you</i>														
CEMENT															
Amount Ordered	<i>140 6/10 425 sh</i>														
Consisting of															
Common	<i>84</i>													<i>5.50</i>	_____
Poz. Mix	<i>56</i>													<i>2.50</i>	_____
Gel.	<i>6</i>													<i>6.75</i>	_____
Chloride															
Quickset															
Handling	<i>140</i>													<i>1.00</i>	_____
Mileage	<i>28</i>														_____
															Sub-Total
															Total
Floating Equipment															

<i>Disc</i>															
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REGISTRATION DIVISION Wichita, Kansas															