

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: NCRA

Operator Contact Person: Shawn Devlin

Phone: (316) 262-2502

Contractor: Name: Mallard JV, Inc

License: 4958

Wellsite Geologist: Robert Patton

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 P8TD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

8/21/94 8/30/94 8/30/94
Spud Date Date reached TD Completion Date

API NO. 15- 135-23,821-00-00 ~~CONFIDENTIAL~~

County Ness ~~CONFIDENTIAL~~

E/2 NW NW Sec 25 Twp 19 Rge 25 ~~XW~~

4620 Feet from /N (circle one) Line of Section

4290 Feet from /W (circle one) Line of Section

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

Lease Name Engler Well # 1

Field Name Unnamed

Producing Formation Miss

Elevation: Ground 2368 KB 2373

Total Depth 4432 P8TD 4432

Amount of Surface Pipe Set and Cemented at 333.63 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1657 Feet

If Alternate II completion, cement circulated from 1657

feet depth to Surface w/ 337 sx cmt

Drilling Fluid Management Plan ALT 2 9/4 4-13-95
(Data must be collected from the Reserve Pit)

Chloride Content 46000 ppm Fluid volume 200 bbls

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite: _____

Operator Name RECEIVED ~~CONFIDENTIAL~~
KANSAS CORPORATION COMMISSION

Lease Name 09-27-1994 License No. _____

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

County CONSERVATION DIVISION Docket No. _____
WICHITA, KS

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 confidentially 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 9/27/94

Subscribed and sworn to before me this 27 day of September

19 94

Notary Public Paula R. Dunagan

Date Comm. 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)

Operator Name Viking Resources, Inc.

Lease Name Engler Well # 1

Sec 25 Twp 19 Rge 25
 East
 West

County Ness

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	<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	1639	734
Electric Log Run (Submit Copy)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3753	-1380
List All E. Logs Run:		Stark	4047	-1674
		Hush Puckney	4083	-1710
		Ft Scott	4307	-1934
		Miss Dolo	4408	-2035

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	25 #	333.63	60/40 Poz	190	2% gel, 3% cc
Production	7-7/8	5-1/2	14 #	4422	60/40 Poz	160	10% salt 1/4 CFR2
				2 ^{HR} STAGE	50/50 Poz	337	2% gel 84lbs Flocele

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	
			No acid or perf	

TUBING RECORD		Size 2-3/8	Set At 4401	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj		Producing Method				
9/15/94		<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	60	Bbls	Gas 0	Mcf Water 0	Bbls	Gas-Oil Ratio Gravity

Disposition of Gas		METHOD OF COMPLETION			Production Interval		
<input type="checkbox"/> Vented	<input type="checkbox"/> Sold	<input type="checkbox"/> Used on Lease	<input checked="" type="checkbox"/> Open Hole	<input type="checkbox"/> Perf.	<input type="checkbox"/> Dually Comp	<input type="checkbox"/> Commingled	Miss
(If vented, submit ACO-18.)			<input type="checkbox"/> Other (Specify)				

DRILL STEM TEST RESULTS Engler #1 E/2 NW NW Sec 25 T 19 R 25 W, Ness County, Kansas

DST #1 Interval 4209-4245
Times 30-45-30-30
IFP 41-41 FFP 62-62 ISIP 207 FSIP 124
Recovery: 1st open weak blow to 1", 2nd open same
Recovery: Rec 200' GIP 20' Mud,
Recovery: 20' SOGM (10 O 10% G 80% M), 30 SOGM (15% O 10% G 75% M)

ORIGINAL

DST #2 Interval 4285-4335
Times 30-30-30-30
IFP 31-31 FFP 41-41 ISIP 549 FSIP 83
Recovery: Very weak blow
Recovery: Rec 10' Mud

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DST #3 Interval 4380-4415
Times 30-45-30-60
IFP 52-52 FFP 72-72 ISIP 1220 FSIP 1080
Recovery: Weak steady 1/4" blow
Recovery: 10' Oil, 110' OWCM (20% O, 10% W, 70% M)

API# 15-135-23821-00-00

DST #4 Interval 4415-4422
Times 15-30-15-30
IFP 20-20 FFP 41-41 ISIP 131 FSIP 1220
Recovery: 1' Oil, 10' SOWCM (5% O, 45% W, 50% M)
Recovery: 1st open Weak blow in 9 min, 2nd open no blow

DST #5 Interval 4422-4432
Times 30-45-30-60
IFP 20-135 FFP 218-270 ISIP 1301 FSIP 1291
Recovery: 1st open blow to 1-1/2", 2nd open BOB in 11 min
Recovery: 110' GIP, 490' CGO (15% G, 85% O)
Recovery: 240' SOGCM (5% G, 15% O, 80% M)

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SEP 13 1996

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KCC

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SEP 27 1994

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

MALLARD JV, INC.
DRILLING CONTRACTORS
P. O. Box 1009 McPHERSON, KS 67460

DRILLER'S LOG

CONFIDENTIAL

OPERATOR:	Viking Resources, Inc. 105 S. Broadway, Ste. 1040 Wichita, KS 67202	WELL:	Engler #1
		API #:	15-135-23,821-60-00
COMMENCED:	August 21, 1994	LOCATION:	E/2 NW NW 660' FNL, 990' FWL Section 25, Township 19 S, Range 25 W Ness County, KS
COMPLETED:	August 30, 1994		
TOTAL DEPTH:	4432'	ELEVATION:	2368' GL, 2373' KB

STATUS:	Set Casing -- Arbuckle Formation	
SPUD:	8:45 am 8/21/94	
SIZE HOLE DRILLED:	12-1/4" x 335'	
SURFACE CASING SIZE:	8-5/8" x 25# x 327.03' (8 jts.)	
SET AT:	333.63'	
CEMENT:	190 sacks 60/40 Pozmix, 2% gel, 3% cc	
SIZE HOLE DRILLED:	7-7/8" x 4432'	
PRODUCTION CASING:	5-1/2" x 14# (140 jts.)	
SET AT:	4422'	
CEMENT:	160 sacks 60/40 Pozmix, 10% salt	
PD:	2:45 pm 8/30/94	
DRILL STEM TESTS:	5	
ELECTRIC LOG:	No	
RESERVE PIT:	46,000 ppm chlorides, 200 bbl. free fluid content	

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SEP 27 1994

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

27, Russell, KS
5861, Great Bend, KS

Phone 913-625-5516, 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

6666

CONFIDENTIAL

Date	8-21-94	Sec.	25	Twp.	19	Range	25	Called Out	2:30 P.M.	On Location	4:00 P.M.	Job Start	6:15 P.M.	Finish	6:45 P.M.
Lease	Engler	Well No.	1	Location	Land 60-1/2 E			County	1000	State	KS				
Contractor	Mallard J.V. Inc.														
Type Job	Surface														
Hole Size	Surface		T.D.	335											
Csg.	8 5/8" 20"		Depth	327.03'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint	6.60'											
Press Max.			Minimum												
Meas Line			Displace	20.67881											
Perf.															

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 Viking Resources Inc.

Street 105 S. Broadway Suite 1040

City Wichita State Ko. 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Richard R. Uden*

CEMENT

Amount Ordered 190 60/40 2 & 3

Consisting of

Common	114	5.75	655.50
Poz. Mix	76	3.00	228.00
Gel.	3	9.00	27.00
Chloride	6	25.00	150.00
Quickset	CONFIDENTIAL		

EQUIPMENT

No.	Cementer	
Pumptrk 224	Helper	Mike Main
No.	Cementer	
Pumptrk	Helper	
	Driver	Bill
Bulktrk 69	Driver	

DEPTH of Job

Reference:	Pmp Jct Chg	430.00
14	Pmp Jct Mileage	31.50
	TWP	42.00
	27' at .39	10.53
	Total	514.03

Remarks: Remove 8 yds of 8 5/8" 20" new pipe.
Break Circ with rig. Mixed 190 5/8 60/40 2 & 3.
Cement did circulate

Handling	190	1.00	190.00
Mileage	14	7.60	106.40
			Total
			1356.90

Floating Equipment

Total \$ 1870.93

DISC - 374.19

\$ 1496.74

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Thank you - Allied Cementing
M. J. Main

SEP 27 1994

CONSERVATION DIVISION
WICHITA, KS

3-2627, Russell, KS

Phone 913-625-5516, Hays, KS

Phone 316-886-5926, Medicine Lodge, KS

793-5861, Great Bend, KS

Phone 913-672-3471, Oakley, KS

Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

6237

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	8-30-94	Sec.	25	Twp.	19	Range	25	Called Out	5:00am	On Location	8:30am	Job Start	2:00pm	Finish	2:45pm
Lease	Engler	Well No.	1	Location	Land	County	Ness	State	KS						

Contractor	Mallard		
Type Job	Port Collar		
Hole Size	12 1/4 7/8	T.D.	4432'
Csg.	8 5/8	Depth	320'
Tbg. Size	5 1/2	Depth	4416.80
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	14.72'	Shoe Joint	14.72'
Press Max.		Minimum	
Meas Line		Displace	108.12
Perf.			

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	VIKING Res. Inc.
Street	105 S. Broadway Ste 1040
City	Wichita
State	KS 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Robert C. [Signature]

EQUIPMENT		
No.	Cementor	Don H
Pumptrk 229	Helper	Mike m
No.	Cementor	
Pumptrk	Helper	
Bulktrk 69	Driver	Bill w
RECEIVED KANSAS CORPORATION COMMISSION SEP 27 1994		

CEMENT			
Amount Ordered	150 sk	10% Salt	
Consisting of	25 bbl	Salt + Flush	
Common	90 sk	5.85	517.50
Poz. Mix	60 sk	3.00	180.00
Gel.	3 sk	9.00	27.00
Chloride			
Quickset			
Salt	22 sk	7.00	154.00

DEPTH of Job		
Reference:	Pump Truck	1038.00
	14 mile 99e	31.50
	1 5/2 Rubber Plug	45.00
	Sub Total	
	Tax	
	Total	1114.50

Handling	150	1.00	150.00
Mileage	150	04	14
	GR	4991.00	Sub Total
	less	998.20	
	Net	3992.80	Total
			1112.50

Remarks: Pumped Salt Flush plug
RH Ran All Cement Released
Plug Displaced Down
Shut in BY Allied Don
Cementing Thanks [Signature]

Floating Equipment		
1 3/2 Guide Shoe		125.00
1 5/2 Insert		189.00
1 5/2 Port Collar		1785.00
2 5/2 Bask		254.00
6 3/2 Centralizer		336.00
1 12' Landing Joint		75.00
		# 2764.00

3-483-2627, Russell, KS
316-793-5861, Great Bend, KS

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

ORIGINAL
Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

6217

Home Office P. O. Box 31

Russell, Kansas 67665

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NEW

Date	09-13-94	Sec.	25	Twp.	19s	Range	25w	Called Out	6:30 AM	On Location	10:30 AM	Job Start	1:30 PM	Finish	6:45 PM
Lease	ENGLER	Well No.	#1	Location		LAIRD 1/2W 6S 1E 1/2 1/4S				County	NESS	State	KS		
Contractor	PAUL'S WELL SERVICE PAUL'S WELL SERVICE				Owner	VIKING RESOURCES INC.									
Type Job	PORT COLLAR JOBS														
Hole Size	7 7/8"		T.D.	4432'											
Csg.	5 1/2"		Depth	4417'											
Tbg. Size	2 7/8"		Depth	1656' 4410'											
Drill Pipe	Depth														
Tool	PORT COLLAR		Depth	1656'											
Cement Left in Csg.	Shoe Joint														
Press Max.	1000 #		Minimum												
Meas Line	Displace														
Perf.															

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. BEDFORDWAY SUITE 1000
City: WICHITA State: KS 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]*

X *[Signature]*

(USED) 3 STALL 50/50 TOL
Amount Ordered: 500# 10% GEL 1 1/4" HOLE SIZE
Consisting of: 600# HOLE SIZE 10% GEL 251 SAND

EQUIPMENT

Pumptrk	No.	Cementor	BUD
	181	Helper	TIM
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	199	Driver	MIKE MAIER
Bulktrk	110	Driver	BURR

Common	169	5.75	971.75
Poz. Mix	168	3.00	504.00
Gel.	34	9.00	306.00
Chloride	FEDERAL 84#	1.10	92.40
Quicksort	SAND 251	5.00	10.00
Holes	600#	15.00	90.00
Handling	500	SEP 27 1.00	500.00
Mileage	300	0.94	282.00
Total			2754.15

DEPTH of Job

Reference:	Pump truck Oils	525.00
	14mi Pump truck Mileage	31.50
Total		556.50

Floating Equipment

Total	3310.65
Less	662.13
Net	2648.52

Remarks: Cement GEL STATE LAW ON LOC
JOB LOG ATTACHED
THANKS / ALLIED BOUND
Tom Miller + Bud

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SEP 27 1994