

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

Operator: License # 5011Name: Viking Resources, Inc.Address: 105 S. Broadway, Ste 1040City/State/Zip: Wichita, KS 67202-4224Purchaser: N/AOperator Contact Person: Shawn DevlinPhone: (316) 262-2502Contractor: Name: Mallard JV, IncLicense: 4958Wellsite 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 ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____Spud Date 10/19/94 Date reached TD 10/26/94 Completion Date _____API NO. 15- 135-23,837 - 00-00County NessC SW NW Sec 25 Twp 19 Rge 25 XW3300 Feet from S /N (circle one) Line of Section4620 Feet from E /W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE SE NW or NE (circle one)Lease Name Engler Well # 2Field Name UnnamedProducing Formation NoneElevation: Ground 2374 KB 2379Total Depth 4438 PBTD Amount of Surface Pipe Set and Cemented at 261.85 FeetMultiple Stage Cementing Collar Used? Yes ☒ NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from 1699feet depth to surface w/ 350 sx cmtDrilling Fluid Management Plan D&A 824 8-18-95
(Data must be collected from the Reserve Pit)Chloride Content 39000 ppm Fluid volume 180 bblsDewatering method used Evaporate

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name RELEASED License No. _____ Quarter Sec. 13W 9 7 1898 S Rng. E/WCounty Docket No.

FROM CONFIDENTIAL

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. DevlinTitle Vice President Date 11/14/94Subscribed and sworn to before me this 14 day of November19 94Notary Public Pamela K. BrannonDate Commission Expires 11/18/98

PAMELA K. BRANNON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp.

KCC OFFICE USE ONLY	
F ☒	Letter of Confidentiality Attached
C ☒	Wireline Log Received
C ☒	Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☒ KCS	☐ Plug
Other (Specify) <u> </u>	

STATE CORPORATION COMMISSION
JAN 11 1995
01-11-1995
WICHITA, KANSAS

Operator Name Viking Resources, Inc.Lease Name EnglerWell # 2Sec 25 Twp 19 Rge 25☐ EastCounty Ness☒ West

ORIGINAL

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.)☒ Yes ☐ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy)☒ Yes ☐ No

List All E. Logs Run:

GAMMA RAY/NEUTRON

☐ Log

Formation (Top), Depth and Datums

☒ Sample

Name

Top

Datum

Anhydrite

1643

736

B. Anhydrite

1683

696

Heebner

3754

-1375

Hushpuckney

4086

-1707

Ft Scott

4312

-1933

Miss Dolomite

4434

-2055

CONFIDENTIAL

CASING RECORD

☒ New ☐ 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#	261.85	60/40 Poz	160	2% gel, 3% cc
Production	7-7/8	5-1/2	14 #	1699	65/35 Poz	350	6% gel 1/4# floreal/sak

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

FROM CONFIDENTIAL

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)

TUBING RECORD	Size	Set At	Packer At	Uiner Run	☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj	D&A		Producing Method		
Estimated Production Oil Per 24 Hours	0	Bbls	Gas 0 Mcf	Water 0	Bbls
			Flowing	Pumping	Gas Lift
			Other (Explain)	Gas-Oil Ratio	Gravimetric

Disposition of Gas

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☒ Open Hole ☐ Perf. ☐ Dually Comp ☐ Commifiged
☐ Other (Specify)PRODUCTION DIVISION
WIGHTA 4-11-95

01-11-1995

DRILL STEM TEST RESULTS Engler #2 C SW NW Sec 25 T 19 R 25 W, Ness County, Kansas

DST #1 Interval 4380-4438
Times 30-30-30-30
IFP 50-50 FFP 60-60 ISIP 90 FSIP 80
Recovery: 1st open blow built to 1/2" in 11 min, no blow 2nd open
Recovery: Rec 10' Mud

API# 15-135-23837-00-00

ORIGINAL
CONFIDENTIAL

RELEASED

JUN 9 7 1996

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 14 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 #2**

API #: **15-135-23,837-00-00**

COMMENCED: **October 19, 1994**

RELEASED

LOCATION: **C SW NW**
3300' FSL, 4620' FEL
Section 25, Township 19 S, Range 25 W
Ness County, KS

COMPLETED: **October 26, 1994**

JAN 17 1996

TOTAL DEPTH: **4438'**

FROM CONFIDENTIAL 2374' GL, 2379' KB

STATUS: **Set Casing — Saltwater Disposal, Cedar Hills Formation**

SPUD: **2:05 am 10/19/94**

SIZE HOLE DRILLED: **12-1/4" x 265'**

SURFACE CASING SIZE: **8-5/8" x 20# x 255.35' (6 jts.)**

SET AT: **261.85'**

CEMENT: **160 sacks 60/40 Pozmix, 2% gel, 3% cc**

SIZE HOLE DRILLED: **7-7/8" x 4438'**

PRODUCTION CASING: **5-1/2" x 14# x 1694' (52 jts.)**

SET AT: **1699'**

CEMENT: **350 sacks 65/35 Pozmix, 6% gel, 1/4# floseal per sack**

PD: **10:55 am 10/26/94**

DRILL STEM TESTS: **1**

ELECTRIC LOG: **No**

RESERVE PIT: **39,000 ppm chlorides, 180 bbl. free fluid content**

RECEIVED

KANSAS CORPORATION COMMISSION

NOV 14 1994

CONSERVATION DIVISION
WICHITA, KS

27, Russell, KS
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.

Home Office P. O. Box 31

Russell, Kansas 67665

6941

CONFIDENTIAL

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10-26-94	25	19	25	4:30 AM	6:30 AM	9:45 AM	10:55 AM
Lease Engler	Well No. #2	Location hard, 4W, 5 1/2 S, 1 E,			County Ness	State KS	
Contractor Mallard				Owner Same			
Type Job Production				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 3/8"		T.D. 4438'					
Csg. 5 1/2"		Depth 11699'					
Tbg. Size		Depth					
Drill Pipe		Depth					
Tool		Depth					
Cement Left in Csg. 32'		Shoe Joint 32'					
Press Max. 1000#		Minimum					
Meas Line		Displace 40 3/4 bbl					
Perf.							

EQUIPMENT

#	No.	Cementor	Tim Dickson
Pumptrk	224	Helper	Mike Maier
#	No.	Cementor	
Pumptrk		Helper	
#	No.	Driver	Bill White
Bulktrk	199	Driver	

DEPTH of Job 1699'

Reference:	Pumptrk Charge	980.00
11	Pumptrk Mileage	24.75
1	5 1/2" Rubber Plug	45.00
	Sub-Total	
	Tax	
	Total	1049.75

Remarks:

Ran 11694' of 5 1/2" csg. Mixed 325 SKS.
6 3/4 1650 Gel 4# flo seal / SK. Cleared hole clean
of cement. Pumped Plug with fresh water.
Float did hold.
Plugged Rathole with 15 SKS.
Mousehole w/ 10 SKS
—Thomson

Charge To	Viking Resources, Inc.
Street	105 S Broadway Suite 1040
City	Wichita
State	KS 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	
CEMENT	
Amount Ordered	350 SKS 6 3/4 1650 Gel, 1/4# flo seal / SK
Consisting of	
Common	228
Poz. Mix	122
Gel. Flo Seal	
Quickset	18
Handling	350
Mileage	11

RELEASED

JAN 17 1996

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 14 1994

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

913-483-2627, Russell, KS
913-793-5861, 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

6961
CONFIDENTIAL

Date	10-19-94	Sec.	25	Twp.	19	Range	25	Called Out	2:30 PM	On Location	5:00 PM	Job Start	9:00 PM	Finish	10:00 PM
Lease	Engler	Well No.	#2	Location				Laird in 53 1/2 E Ms				County	Ness	State	KS
Contractor	Mallard Drilling Rig #1														
Type Job	Surface Pipe Job														
Hole Size	12 1/2		T.D.		265 ft										
Cb. old	8 3/4		Depth		261 ft										
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15 ft		Shoe Joint												
Press Max.			Minimum												
Meas Line	246 ft		Displace		16.0661										
Perf.															

EQUIPMENT

No.	Cementor	Mike Munich
Pumptrk 120	Helper	Dan S.
No.	Cementor	
Pumptrk	Helper	
	Driver	Rick W.
Bulktrk 222		
Bulktrk	Driver	

DEPTH of Job 266 ft

Reference:	Pump Truck Charge	430.00
11	Milage Charge	24.75
1	8 3/4 wooden Plug	42.00
	Total	496.75

Remarks: Mix Cement + Displace it
Down with water
Cement did Circulate

Allied Cementing Co. Inc.
Mike Munich

Owner SAME

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish
cementor and helper to assist owner or contractor to do work as listed.

316-262-2502

Charge To Viking Resources 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 Laila Ullrich

CEMENT

Thank
you

Amount Ordered 160 5/10 37 27 RELEASED

Consisting of

Common	96
Poz. Mix	64
Gel.	3
Chloride	5
Quickset	

Handling 160

NOV 17 1994

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KANSAS CORPORATION COMMISSION

NOV 14 1994

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