

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) 262-2502Instructor: 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 ☐ PSTD☐ 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- 135-23,837County NessC SW NW 25 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 PSTD _____Amount of Surface Pipe Set and Cemented at 261.85 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1699feet depth to surface w/ 350 sx cmtDrilling Fluid Management Plan D&A JH 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:

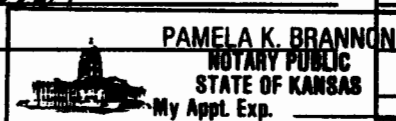
RELEASEDOperator Name JAN 17 1996Lease Name FROM CONFIDENTIAL

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

County _____ Docket No. _____

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

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

25-19-25w

SIDE TWO

Operator Name Viking Resources, Inc.

Lease Name Engler

Well # 2

Sec 25 Twp 19 Rge 25

☐ East

County Ness

☒ West

COPY

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 ☒ Yes ☐ No
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy)

st All E. Logs Run:

GAMMA RAY/NEUTRON

CONFIDENTIAL

☐ 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

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# floeal/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				

RELEASED
JAN 1 7 1996

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

PIPELINE RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj					
Estimated Production Oil Per 24 Hours	0	Bbls	Gas 0	Mcf	Water 0

Disposition of Gas

METHOD OF COMPLETION

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

☒ Open Hole ☐ Perf. ☐ Dually Comp ☐ Commingled
☐ Other (Specify)

STATE CORPORATION COMMISSION
RECEIVED
Production Interval

JAN 1 1995

CONSERVATION DIVISION
WICHITA, KANSAS

W25-PI-75

25-19-25W
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 67202WELL: **Engler #2**
API #: 15-135-23,837

COMMENCED: October 19, 1994

COMPLETED: October 26, 1994

TOTAL DEPTH: 4438'

RELEASED

JAN 17 1996

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

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

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

25-19-25W
ORIGINAL 198093

CONFIDENTIAL

RELEASED

JAN 17 1996

FROM CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

NOV 14 1994
CONSERVATION DIVISION
WICHITA, KS