

COPY  
31-14-29W

2678

SIDE ONE

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

API NO. 15- 063-21,329

County Gove

SW SW NE Sec. 31 Twp. 14S Rge. 29 ☒ East West

2970 Ft. North from Southeast Corner of Section

2910 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

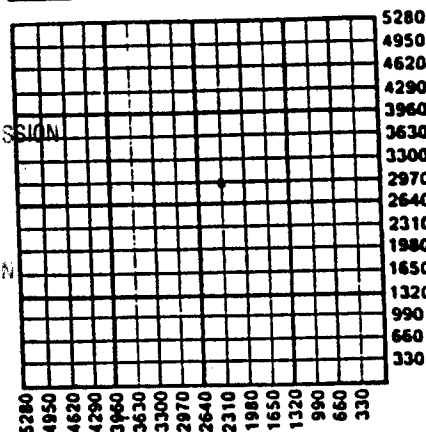
Lessee Name Lundgren Well # 1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 2621 KB 2629

Total Depth 4290 PBTD \_\_\_\_\_



Alt D+0

Amount of Surface Pipe Set and Cemented at 200 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Operator: License # 5011

Name: Viking Resources, Inc.

Address 105 S. Broadway, Suite 1040

Wichita, KS 67202-4224

City/State/Zip \_\_\_\_\_

Purchaser: \_\_\_\_\_

Operator Contact Person: Jim Devlin

Phone ( 316 ) 262-2502

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Rob Patton

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ Temp. Abd.

☐ Gas ☐ Inj ☐ Delayed Comp.

☒ Dry ☐ Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

4-30-90 5-8-90

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

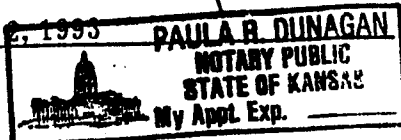
Signature James B. Devlin

Title James B. Devlin, President Date 5-25-90

Subscribed and sworn to before me this 25th day of May, 1990.

Notary Public Paula R. Dunagan

Date Commission Expires March 2, 1993



|   |                                    |  |
|---|------------------------------------|--|
| K.C.C. OFFICE USE ONLY                  |                                    |  |
| F                                       | Letter of Confidentiality Attached |  |
| C                                       | Wireline Log Received              |  |
| C                                       | Drillers TimeLog Received          |  |
| Distribution                            |                                    |  |
| <input checked="" type="checkbox"/> KCC | <input type="checkbox"/> SWD/Rep   | <input checked="" type="checkbox"/> NGPA |
| <input checked="" type="checkbox"/> KGS | <input type="checkbox"/> Plug      | <input type="checkbox"/> Other (Specify) |

Form ACO-1 (7-89)

SIDE TWO

Operator Name Viking Resources, Inc.Lease Name LundgrenWell # 1Sec. 31 Twp. 14s Rge. 29☐ East  
☒ WestCounty Gove

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  
(Attach Additional Sheets.) ☒ Yes ☐ NoSamples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run  
(Submit Copy.) ☐ Yes ☒ NoDST#1: 3719-3745, 30-45-30-60, Rec.350' MW w/  
show oil, BHP:826/836, FP:67/96 125/163 HP:1998/1999DST#2: 3823-3900, 30-45-30-60, Rec.1' FO, 182' MW  
w/show oil, BHP:961/951, FP:86/96 125/144  
HP:2113/2075DST#3: 4092-4190, 30-45-30-60, Rec.1' O, 49' MW w/  
HP:2279/2209 specks oil, BHP:1076/1066, FP:96/96 96/96

## Formation Description

☐ Log ☒ Sample

| Name      | Top  | Bottom  |
|-----------|------|---------|
| Anhydrite | 2023 | (+605)  |
| Heebner   | 3631 | (-1002) |
| Toronto   | 3654 | (-1025) |
| Lansing   | 3670 | (-1041) |
| Ft Scott  | 3890 | (-1261) |
| Miss      | 4160 | (-1531) |
| RTD       | 4277 | (-1648) |
|           | 4290 | (-1661) |

## 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              | 212           | 60/40 poz      | 140          | 2%gel, 3%cc                |
|                   |                   |                           |                 |               |                |              |                            |
|                   |                   |                           |                 |               |                |              |                            |
|                   |                   |                           |                 |               |                |              |                            |

## PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record  
(Amount and Kind of Material Used) Depth

| Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

## TUBING RECORD

Size Set At Packer At

Liner Run ☐ Yes ☐ No

| Date of First Production | Producing Method   | Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|--------------------------|--|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                          | <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |                                   |           |         |             |               |         |

Disposition of Gas:

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

## METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

Production Interval

MALLARD JV, INC.  
P.O. BOX 1009  
McPHERSON, KS 67460

COPY

31-14-29W

DRILLERS' LOG

OPERATOR: Viking Resources, Inc.  
105 S. Broadway, Suite 1040  
Wichita, KS 67202

WELL: Lundgren #1

API#: 15-063-21,329

COMMENCED: April 30, 1990

LOCATION: SW SW NE

COMPLETED: May 7, 1990

2970 Ft. FSL, 2310 Ft. FEL

TOTAL DEPTH: 4290 Ft.

SEC. 31 TWP. 14 S RGE. 29 W

ELEVATION: 2621 Ft. G.L.

COUNTY: Gove

2629 Ft. K.B.

\*\*\*\*\*  
D & A - Mississippi Formation

REMARKS:

Cut 12 $\frac{1}{4}$ " hole to 215' and ran 5 joints 8-5/8" x 20# x 202.4' surface casing.  
Set at 212' and cemented with 140 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement  
did circulate. P.D. @ 3:05 a.m. 5-1-90.

Ran 3 DSTs.

Plugged hole with 200 sacks 60/40 Pozmix, 6% gel, 2% cc as follows:

25 sx @ 2040'  
100 sx @ 1050'  
40 sx @ 260'  
10 sx @ 40' to surface  
15 sx R.H., 10 sx M.H.  
P.D. @ 11:45 p.m. 5-7-90.

RECEIVED  
STATE CORPORATION COMMISSION

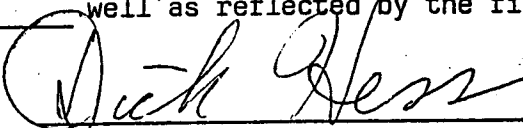
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60-14-29W-31

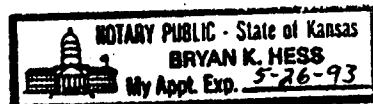
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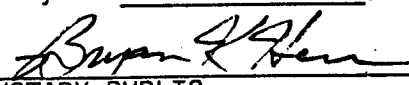
STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

I, Dick Hess of MALLARD JV, INC. hereby certify that this is a true and  
correct copy of the log of the Lundgren #1 well as reflected by the files  
of Mallard JV, Inc.

  
Dick Hess

Subscribed and sworn to before me this 15th day of May, 1990.



  
NOTARY PUBLIC