

ORIGINAL

SIDE ONE

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, Suite 1040

City/State/Zip Wichita, KS 67202-4224

Purchaser: _____

Operator Contact Person: James B. Devlin

Phone (316) 262-2502

Contractor: Name: Lobo Drilling Company

License: 5864

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWD: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

03-30-91

04-09-91

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 077-21,240 -00 -00

County Harper

Approx. S/2 S/2 SW Sec. 29 Twp. 32 Rge. 5 East West

330 Ft. North from Southeast Corner of Section

4030 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

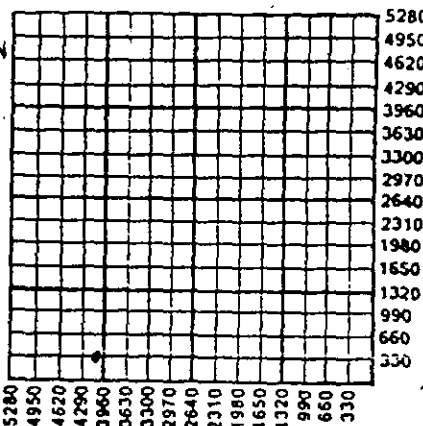
Lease Name Dorothy Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 1331 KB 1340

Total Depth 4883 PBDT _____



API UKA

Amount of Surface Pipe Set and Cemented at 224 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.

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.

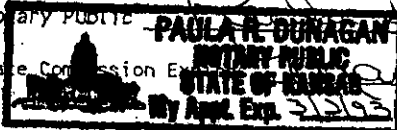
Signature James B. Devlin

Title President Date 5-10-91

Subscribed and sworn to before me this 10th day of May 19 91.

Notary Public PAULA R. DUNAGAN

Date Commission Expires 2, 1993



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

p1

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Dorothy Well # 1

Sec. 29 Twp. 32 Rge. 5 East West
 County Harper

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.)

| Name | Formation Description | |
|-------------------|-----------------------|---------|
| | Top | Bottom |
| Kansas City | 3690 | (-2350) |
| Stark | 3847 | (-2507) |
| Cherokee | 4132 | (2792) |
| reworked Miss. | 4359 | (-3019) |
| clean Miss. | 4391 | (-3051) |
| Kinderhook | 4697 | (-3357) |
| Simpson Sandstone | 4802 | (-3462) |
| LTD | 4882 | (-3542) |
| RTD | 4883 | (-3543) |

DST #1, 3699-3720, 30-60-45-60, rec. 20' oil spotted mud
 110' watery mud with spots of oil, 300' gassy salt water
 IFP: 63/110, IFP: 163/227, ISIP: 1246 FSIP: 1215, IHP:
 1797, HP: 1730, Chlorides 134,000 PPM Drilling ahead @
 3817'

DST#2, 3846-3900, 30-60-30-60 rec. 1310' of water and
 mud, chlorides 123,000 IFP: 671/40 FFP: 650/635 ISIP: 1309
 FSIP: 1309 IHP: 1874 HP: 1797 DST#3 4363-1400, 30-60-30-60,

rec. 540' faint gas in pipe, 55' S6C mud CASING RECORD
 IFP: 25/25 FFP: 57/42 ISIP: 1514 FSIP: 1089 IHP: 2180
 HP: 2144 Logging

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 1/2" | 8-5/8" | 23# | 224' | 60/40poz | 160 | 2% gel 3% cc. |

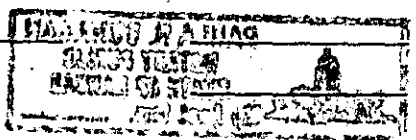
| PERFORATION RECORD | | Acid, Fracture, Shot, Cement Squeeze Record | |
|--------------------|---|---|-------|
| Shots Per Foot | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used) | Depth |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift 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 (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____



ORIGINAL

DRILLER'S WELL LOG

DATE COMMENCED: March 30, 1991
DATE COMPLETED: April 9, 1991

Viking Resources, Inc.
DOROTHY #1
Approx. S/2 S/2 SW
Sec. 29, T32s, R5W
Harper County, Ks.

0 - 1250' Surface Soil, Red Bed, Shale
1250 - 2500' Shale & Lime
2500 - 3480' Lime & Shale
3480 - 4883' Shale & Lime
4883' RTD

ELEVATION: 1340 K.B.

Surface Pipe: Set new
8-5/8", 23# @224' w/160
sacks 60/40 pozmix 2% gel
3% cc.

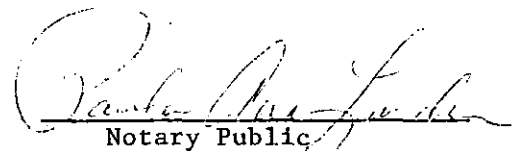
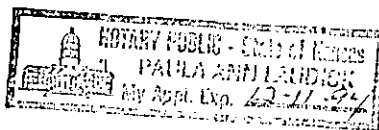
A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

Ervin Neighbors of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.



Subscribed and sworn to before me this 12th day of April 1991.


Notary Public

RECEIVED
STATE CORPORATION COMMISSION

MAY 24 1991

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No. 1033

Home Office P. O. Box 31

Russell, Kansas 67665

4-9-91

New

Date 4-8-91 **Sec.** 29 **Twp.** 32 **Range** 5 **Called Out** 6:30 AM **On Location** 10:30 AM **Job Start** 10:50 AM **Finish** 1:00 PM

Lease Dorothy **Well No.** #1 **Location** Danville HS 1/2 E N 1/2 **County** Harper **State** KS

Contractor Lobo Drilling Rig #1 **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.** 4893' **Charge To** Viking Resources

Csg. **Depth** **Street** 105 S. Broadway Suite 1040

Tbg. Size **Depth** **City** Wichita **State** Ks. 67202

Drill Pipe 4 1/2" **Depth** 950 ft **The above was done to satisfaction and supervision of owner agent or contractor.**

Tool **Depth**

Cement Left in Csg. **Shoe Joint**

Press Max. **Minimum**

Meas Line **Displace**

Perf.

EQUIPMENT

| No. | Cementer | |
|-------------|----------|-------------|
| Pumptrk 181 | | Mike |
| | Helper | Brad |
| Pumptrk | No. | Cementer |
| | Helper | Mr. Ed Brad |
| Bulktrk 179 | Driver | Duane |
| Bulktrk | Driver | |

DEPTH of Job 950 ft

| Reference: | Description | Amount |
|------------|-------------------|--------|
| | Pump Truck Charge | 380.00 |
| 40 | mileage charge | 80.00 |
| 1 | old hole plug | 20.00 |
| | Sub Total | |
| | Tax | |
| | Total | 480.00 |

Remarks:
 Mixed 35' at 950 ft
 35' at 660 ft
 35' at 275 ft
 25' at 60 ft
 10' at mouse hole
 10' at Rot Hole
 5' at water well

Purchase Order No.
 X E. Hughes

Amount Ordered 155 ⁰⁰/₁₀₀ 4.75 gal

Consisting of

| Material | Quantity | Rate | Total |
|--------------|----------|------|---------|
| Common | 93 | 5.25 | 488.25 |
| Poz. Mix | 62 | 2.25 | 139.50 |
| Gel. | 6 | 6.75 | 40.50 |
| Chloride | | | |
| Quickset | | | |
| Handling | 155 | 1.00 | 155.00 |
| Mileage | 40 | | 248.00 |
| Total | | | 1071.25 |

Floating Equipment

Total \$ 1551.25
 Disc - 310.25
 ** 1241.00

Allied Cementing Co Inc
 Mike Murch

Thank you

RECEIVED
 STATE CORP. REGISTRATION COMMISSION
 MAY 24 1991
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665

No 1074

New

| | | | | | | | | | | | | | | | |
|---------------------|-----------------------|------------|----------|----------|------------------------|-------|---|------------|----------|-------------|----------|-----------|---------|--------|---------|
| Date | 3-30-91 | Sec. | 29 | Fwp. | 32 | Range | 5 | Called Out | 1 3/4 hr | On Location | 4 3/4 hr | Job Start | 6:30 am | Finish | 6:30 pm |
| Lease | Dorothy | Well No. | #1 | Location | Danville 45 1/4 E Nite | | | County | Harper | State | Ks | | | | |
| Contractor | Lo Bo Drilling A/S #1 | | | | | | | | | | | | | | |
| Type Job | Surface Pipe Job | | | | | | | | | | | | | | |
| Hole Size | 12 1/2 | T.D. | 224 ft | | | | | | | | | | | | |
| Csg. | 23 | 8 5/8 | Depth | 224 ft | | | | | | | | | | | |
| Tbg. Size | | Depth | | | | | | | | | | | | | |
| Drill Pipe | | Depth | | | | | | | | | | | | | |
| Tool | | Depth | | | | | | | | | | | | | |
| Cement Left in Csg. | 15 ft | Shoe Joint | | | | | | | | | | | | | |
| Press Max. | | Minimum | | | | | | | | | | | | | |
| Meas Line | L | 209 ft | Displace | 13.4 bbl | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | |

EQUIPMENT

| | | | |
|---------|-----|----------|-------|
| Pumptrk | No. | Cementer | Mike |
| | 110 | Helper | Brod |
| Pumptrk | No. | Cementer | |
| | | Helper | David |
| | | Driver | Mark |
| Bulktrk | 101 | | |
| Bulktrk | | Driver | |

DEPTH of Job 224 ft

| | | |
|------------|-------------------|--------|
| Reference: | | |
| Med. Lodge | Pump Truck charge | 380.00 |
| 40 miles | Milage charge | 80.00 |
| 1 | wooden plug | 42.00 |
| | Sub Total | |
| | Tax | |
| | Total | 502.00 |

Remarks: Cement did circulate

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 Ks 67202

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

Purchase Order No. 84 Hughes

X CEMENT Thank You

Amount Ordered 160 # 2+3

Consisting of

| | | | |
|----------|----|--------------|--------|
| Common | 96 | 5.25 | 504.00 |
| Poz. Mix | 64 | 2.25 | 144.00 |
| Gel. | 3 | Charge for 1 | 6.75 |
| Chloride | 5 | | 21.00 |
| Quickset | | | 105.00 |

Handling 160 1.00 160.00

Milage 40 med. lodge 256.00

Sub Total

Total 1175.75

Floating Equipment

#1677.75

STATE CORPORATION COMMISSION # 1342.20

MAY 24 1991

Allied Cementing Co Inc
 Mike Murch

Thank You

UN DIVISION
 ta, Kansas