

Original

SIDE ONE

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

Operator: License # 5929  
Name Duke Drilling Co., Inc.  
Address P.O. Box 823  
City/State/ZIP Great Bend, KS 67530

Purchaser Permian

Operator Contact Person Ralph R. Hamilton  
Phone (316) 267-1331

Contractor: License # 5929  
Name Duke Drilling Co., Inc.

Wellsite Geologist Jim Musgrove  
Phone 316-792-7716

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

Spud Date 11-09-88 Date Reached TD 11-16-88 Completion Date 12-01-88

Total Depth 4065' PBTD

Amount of Surface Pipe Set and Cemented at 323 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

alt I

API NO. 15-185-22,554-0000  
County Stafford  
SW NW NE Sec 5 Twp 23 Rge 14 East XX West  
4290 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

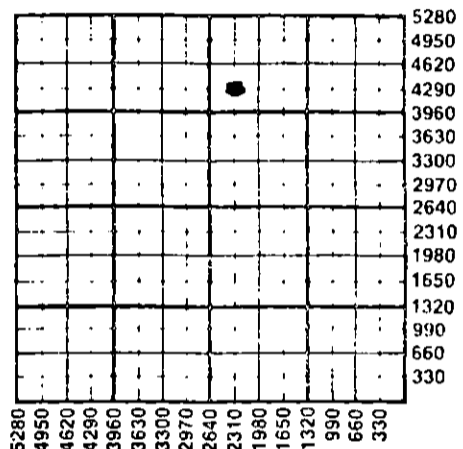
Lease Name Selbe Well # 5

Field Name Wood

Producing Formation Lansing-Kansas City

Elevation: Ground 1960 KB 1965

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # E-25,495  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # (old Well)  
 Groundwater 4950 Ft North from Southeast Corner  
(Well) 990 Ft West from Southeast Corner of  
Sec 5 Twp 23 Rge 14 East  West  
Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

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. 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.

DUKE DRILLING CO., INC.

Signature Ralph R. Hamilton  
Title President Date 12/14/88

Subscribed and sworn to before me this 14th day of December 1988  
Notary Public Sally R. Byers  
Date Commission Expires December 6, 1992



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)  
12-15-88  
Form ACO-1 (5-86)

Sec 5 Twp 23 Rge 14 East

Operator Name Duke Drilling Co. Inc. Lease Name Selbe Well # 5

Sec. 5 Twp. 23 Rge. 14  East  West County Stafford

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST#1, 3548-3580  
 Open: I.F. 45", FF. 45"  
 Blow: Weak steady  
 Recovery: 180' gas in pipe, 105' oil cut gassy mud, 60' slightly oil cut gassy thin watery mud, 60' muddy gassy water with oil specks.  
 Pressures: ISIP 1257 psi (45")  
 FSIP 1232 psi (45")  
 IFP 75-91 psi, FFP 108-142  
 HSH 1749-1721 psi psi  
 DST #2, 3658-3676  
 Open: I.F. 45", F.F. 45"  
 Blow: Strong; gas to surface in 10 min. 2nd opening  
 Recovery: 450' oil  
 Pressures: ISIP 867, FSIP 867 psi  
 IFP 58-91, FFP 108-133 psi  
 HSH 1715-1697 psi.

| Name            | Top  | Bottom |
|-----------------|------|--------|
| Anhydrite       | 881  | +1084  |
| Heebner         | 3402 | -1437  |
| Toronto         | 3424 | -1459  |
| Douglas         | 3443 | -1478  |
| Brown Lime      | 3532 | -1567  |
| Lansing         | 3544 | -1579  |
| Base K.C.       | 3787 | -1822  |
| Conglomerate    | 3866 | -1901  |
| Viola           | 3918 | -1953  |
| Simpson Shale   | 3981 | -2016  |
| Arbuckle        | 4036 | -2071  |
| RTD             | 4065 | -2100  |
| Log Total Depth | 4064 | -2099  |

| CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 1/2"                                     | 8-5/8"   | 20#            | 323'  | 60/40noz       | 175         | 2% gel. 3% cc.             |
| Production   | 7-7/8"                                      | 5 1/2"   | 15.5#          | 4058'   | 60/40noz       | 150         | 10% salt                   |
| PERFORATION RECORD   |   |  |                | Acid, Fracture, Shot, Cement Squeeze Record                                   |                |             |                            |
| Shots Per Foot   | Specify Footage of Each Interval Perforated |  |                | Amount and Kind of Material Used  |                | Depth       |                            |
| 2  | 3667-3671                                   |  |                | 2,000 gal. 15% N.F.   |                |             |                            |
| 2  | 3703-3711                                   |  |                | 2,000 gal. 15% N.F.   |                |             |                            |
| TUBING RECORD  |   |  |                | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                |             |                            |
| Date of First Production   |   | Producing Method   |                |   |                |             |                            |
| Dec. 1, 1988   |   | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... |                |   |                |             |                            |
| Estimated Production Per 24 Hours  | Oil   | Gas  | Water          | Gas-Oil Ratio   | Gravity        |             |                            |
|  | 60  | -0-  | -0-            |   |                |             |                            |
|  | Bbls  | MCF  | Bbls           | CFPB  |                |             |                            |

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation 3667-3671.....  
 Sold  Other (Specify) .....  
 Used on Lease 3703-3711.....

Dually Completed  
 Commingled

DRILLER'S WELL LOG

DATE COMMENCED: November 9, 1988  
DATE COMPLETED: November 16, 1988

Duke Drilling Co., Inc.  
SELBE #5  
SW 1/4 NE  
Sec. 5, T23S, R14W  
Stafford County, Ks.

ELEVATION 1965 K.B.

|      |   |       |                           |
|------|---|-------|---------------------------|
| 0    | - | 412'  | Surface Soil, Sand, Shale |
| 412  | - | 878'  | Red Bed                   |
| 878  | - | 906'  | Anhydrite                 |
| 906  | - | 3024' | Lime & Shale              |
| 3024 | - | 3405' | Lime                      |
| 3405 | - | 3427' | Shale & Lime              |
| 3427 | - | 3444' | Lime                      |
| 3444 | - | 3535' | Shale                     |
| 3535 | - | 3545' | Lime & Shale              |
| 3545 | - | 3794' | Lime                      |
| 3794 | - | 3918' | Shale, Lime, Chert, Sand  |
| 3918 | - | 3985' | Chert                     |
| 3985 | - | 4037' | Sand                      |
| 4037 | - | 4065' | Dolomite                  |
|      |   | 4065' | RTD                       |

Surface Pipe: Set new  
8-5/8", 20# pipe @323'  
w/175 sacks 60/40 pozmix  
2% gal. 3% cc.

Production Pipe: Set  
used 5 1/2", 15.5# @4058'  
w/150 sacks 60/40 pozmix  
10% salt w/10 bbls. Mud  
Flush.

RECEIVED  
STATE CORPORATION COMMISSION

NOV 18 1988

CONSERVATION DIVISION  
Wichita, Kansas

A F F I D A V I T

STATE OF KANSAS  
COUNTY OF BARTON) ss

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

*Leonard Williamson*

Subscribed and sworn to before me, this 21 day of November 1988.

|  |
|--|
| DOROTHY M. HAGUE<br>NOTARY PUBLIC<br>STATE OF KANSAS<br>My Appl. Exp. 2-5-90 |
|--|

*Dorothy M Hague*  
Notary Public