

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- 135-23,393-00-00  
County Ness

NE SW NW Sec. 35 Twp. 16S Rge. 22  East  West  
3780 Ft. North from Southeast Corner of Section  
4050 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

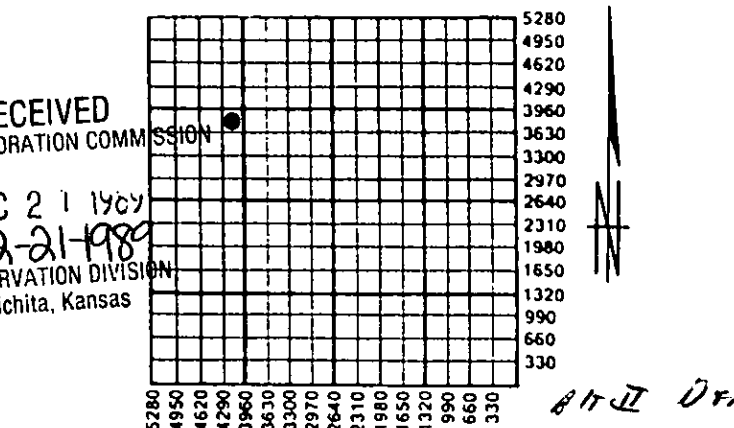
Operator: License # 4964  
Name: DCF Exploration  
Address 940 Wadsworth Boulevard,  
Suite #100  
City/State/Zip Lakewood, CO 80215

Lease Name Barber Well # 1  
Field Name \_\_\_\_\_  
Producing Formation \_\_\_\_\_

Purchaser: \_\_\_\_\_  
Operator Contact Person: Douglas C. Frickey  
Phone (303) -232-5011

Elevation: Ground 2368' KB 2373'  
Total Depth 4430' PBTD \_\_\_\_\_

Contractor: Name: Emphasis Oil Operations  
License: 8241  
Wellsite Geologist: Jim Steidley



Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

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

Amount of Surface Pipe Set and Cemented at 224 Feet  
Multiple Stage Cementing Collar Used?  Yes  No

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10/16/89 10/23/89 10/23/89  
Spud Date Date Reached TD Completion Date

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 Douglas C. Frickey  
Title President Date 12/18/89

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
 Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
 (Specify)

Subscribed and sworn to before me this 18th day of December,  
19 89.  
Notary Public Darcel L. Hartley  
Date Commission Expires 10/02/90

**SIDE TWO**

Operator Name DCF Exploration Lease Name Barber Well # 1  
 Sec. 35 Twp. 16S Rge. 22  East  West  
 County Ness

**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.)

**Formation Description**  
 Log  Sample  
 Name Top Bottom  
 (SEE ATTACHED PAGE)

| CASING RECORD <input 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 1/4"                                     | 8 5/8"  | 20#             | 224'   | 60/40 POZ      | 140          | 3% cc 2% gel               |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
| 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   |   |   |                 | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |                |              |                            |
| Size  | Set At                                      | Packer At   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
|   |   |   |                 |  |                |              |                            |
| Date of First Production  |   | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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) \_\_\_\_\_

Production Interval \_\_\_\_\_



BARBER #1  
3780' FSL, 4125' FEL, of Sec. 35 T-16-S R-22-W  
Ness County, Kansas  
API #: 15-135-23,393

Ground Surface Elevation: 2368'      Kelly Bushing: 2373'

| <u>FORMATION TOPS</u>  | <u>DEPTH</u> | <u>SUB SEA DATUM</u> |
|------------------------|--------------|----------------------|
| Anhydrite              | 1693         | +680                 |
| Base/Anhydrite         | 1718         | +655                 |
| Base/Salt Section      | 2310         | +63                  |
| Tarkio                 | 3304         | -931                 |
| Topeka                 | 3500         | -1127                |
| Heebner                | 3780         | -1407                |
| Toronto                | 3800         | -1427                |
| Lansing/Kansas City    | 3821         | -1448                |
| K.C. "J" Zone          | 4018         | -1645                |
| Base/Kansas City       | 4092         | -1719                |
| Pawnee                 | 4188         | -1815                |
| Labette                | 4273         | -1900                |
| Fort Scott             | 4283         | -1910                |
| Cherokee               | 4296         | -1923                |
| Cherokee Sand          | 4298         | -1925                |
| Mississippian (WARSAW) | 4374         | -2001                |

DRILL STEM TEST INFORMATION: Due to the low structural positioning none were taken.

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CONSERVATION DIVISION  
Wichita, Kansas

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: DCF Exploration  
940 Wadsworth Boulevard, Suite #100  
Lakewood, Colorado 80215

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Barber

WELL #1

LOCATION: NE SW NW  
Section 35-16S-22W  
Ness County, Kansas

LOGGERS TOTAL DEPTH: 4435'

ROTARY TOTAL DEPTH: 4430'

COMMENCED: 10/16/89

CASING: 8-5/8" @ 224' w/140 sks cement

ELEVATION: 2373' K.B.

COMPLETED: 10/23/89

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

|                      |       |                    |       |
|----------------------|-------|--------------------|-------|
| Top Soil & Post Rock | 132'  | Anhydrite          | 1719' |
| Blue Shale           | 834'  | Red Bed            | 2300' |
| Dakota Sand          | 882'  | Shale & Lime Stks. | 3500' |
| Red Bed              | 1152' | Lime & Shale Stks. | 4000' |
| Cedar Hills          | 1385' | Lime (R.T.D.)      | 4430' |
| Red Bed              | 1678' |                    |       |

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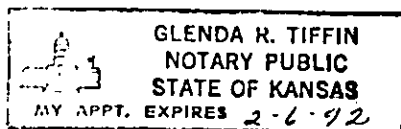
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

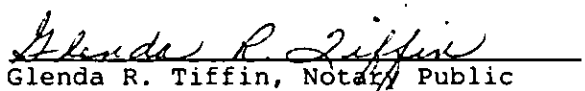
Kelly P. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
Kelly P. Branum

Subscribed and sworn to before me on October 27, 1989.

My commission expires: February 6, 1992.

  
GLENDA R. TIFFIN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 2-6-92

  
Glenda R. Tiffin, Notary Public

James L. Steidley  
12769 W. Montana Dr.  
Lakewood, CO 80228

OCTOBER 24, 1989

DCF EXPLORATION INC.  
940 WADSWORTH BLVD  
SUITE 100  
LAKEWOOD, CO 80215

GEOLOGY REPORT RE: DCF # 1 BARBER WELL  
Located 3780' FSL & 4125' FEL of Sec.  
35-T16S-R22W, Ness Co. Ks..

SUMMARY

OPERATOR: DCF EXPLORATION INC.  
WELL NAME: NO. 1 BARBER  
LOCATION 3780' FSL & 4125' FEL Section 35-T16S-R22W  
Ness County, Kansas  
ELEVATION: 2373 ft. K.B.; 2368 ft. ground  
CONTRACTOR: Emphasis Drilling Co. (Rig # 7)  
SPUD: OCTOBER 16, 1989  
SURFACE CASING: 224ft. of 8-5/8" csg set at 224' with 140 sacks of cement.  
MUD: Displaced and mudded up with chemicals @ 3400'  
GEOLOGIST: James L. Steidley  
OIL & GAS SHOWS: 4284 to 4286 ft. - Good brown oil stain, milky white  
FORT SCOTT fluor. and rapid milky white cut fl.,  
brite yllo residual. Inter xln and  
inter moldic (poor) porosity.  
4300-4302 ft. - Heavy black oil stain, milky white fl.  
and rapid streaming milky white cut fl.  
CHEROKEE SAND black residual. Sandstone, V Crse, ang-  
ular, well cemented/poor porosity  
4380-4381 ft. Few small globules of heavy brown oil  
on one piece of limestone with excellent  
MISSISSIPPIAN (WARSAW) inter xln porosity but appears flushed.  
DRILL STEM TESTS: None warranted.  
CORES: None  
ELECTRICAL LOGS: Great Guns Dual Induction Guard Log, Dual Compensated  
Porosity Log w/Gamma Ray and Caliper. SP on DIL.  
TOTAL DEPTH: 4430' (Driller) R.T.D.  
4435' (Great Guns) L.T.D.  
COMPLETION: Plugged and Abandoned on  
October 23, 1989

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Wichita, Kansas

DRILL STEM TESTS and CORES

NONE

| <u>Formation</u>     | <u>Dual Induction Log</u> | <u>DATUM</u> | High (+) or Low(-)                                   |
|----------------------|---------------------------|--------------|--|
|                      |                           |              | to Pickrell # 1 Well<br><u>C SE NW Sec. 35-16-22</u> |
| <u>PERMIAN</u>       |                           |              |  |
| Stone Corral         | 1693                      | +680         | - 10   |
| B/Stone Corral       | 1718                      | + 655        | - 3  |
| B/Salt               | 2310                      | + 63         | - 2  |
| <u>PENNSYLVANIAN</u> |                           |              |  |
| Tarkio Ls.           | 3304                      | - 931        | - 9  |
| Topeka Ls.           | 3500                      | -1127        | - 12   |
| Heebner Shale        | 3780                      | -1407        | - 9  |
| Toronto Ls.          | 3800                      | -1427        | - 9  |
| Lansing-Kansas City  | 3821                      | -1448        | - 11   |
| "J" Zone             | 4018                      | -1645        | - 2  |
| B/KC                 | 4092                      | -1719        | - 8  |
| Pawnee Ls.           | 4188                      | -1815        | - 8  |
| Labette Sh.          | 4273                      | -1900        | - 11   |
| Ft Scott Ls.         | 4283                      | -1910        | - 11   |
| Cherokee             | 4296                      | -1923        | - 11   |
| Cherokee Sd.         | 4298                      | -1925        | - 11   |
| <u>MISSISSIPPIAN</u> |                           |              |  |
| Warsaw               | 4374                      | -2001        | - 4  |

COMPLETION

The well was plugged and abandoned on October 23, 1989. Total depth was 4430 (driller) reached at 4: 00 AM on Oct. 23, 1989. The plugging was pursuant to instructions of an official of the State of Kansas.

LITHOLOGIC DESCRIPTIONS

See Geologist's wellsite log for sample descriptions.

COMMENTS

While we did see some thinning in the Cherokee to Miss. interval, there is most likely additional significant thinning from the top of the Miss. which is a regional unconformity, to the Gilmore City (lower portion of the Miss). This thinning is indicated from seismic. We did not pursue additional drilling to reach the Gilmore City as it would have been only in the interest of science, with no commercial potential.

Log analysis confirmed that there were no zones of commercial potential, and no zones that should have been Drill Stem Tested. Excellent reservoirs were found in the Cherokee and Mississippian, but due to the low structural conditions these objectives were wet. The location of the "high" structural point on this feature remains an elusive unknown.