

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

API NO. 15-.....023-20,257-00-00

County.....CHEYENNE

SW...NW...NW Sec.11...Twp.1...Rge.38 East  
X West

4290 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

Lease Name.....MILLER Well #.....1

Field Name.....KETLER NW

Producing Formation.....DOUGLAS, LKC. FT. SCOTT

Elevation: Ground.....3031 KB.....

Operator: License # 5386  
Name PRODUCTION DRILLING, INC  
Address P O BOX 680  
City/State/Zip HAYS, KS 67601

Purchaser.....CLEAR CREEK, INC  
McPHERSON, KS

Operator Contact Person LARRY PATTERSON  
Phone (913) 625-1182

Contractor: License # 8682  
Name GOLDEN EAGLE DRILLING STATE CORPORATION COMMISSION

Wellsite Geologist JERRY GREEN  
Phone (913) 625-5155

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

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

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
4-24-88 5-2-88 5-24-88  
Spud Date Date Reached TD Completion Date  
4550' 4538'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 177 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

RECEIVED  
JUN 14 1988  
06-14-1988  
CONSERVATION DIVISION  
Wichita, Kansas

Section Plat

Grid showing well location with elevations on the right: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. An 'X' is marked in the 4290-4950 row and 4290-3960 column.

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

X Groundwater 20' Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec 2 Twp 1s Rge 38 East X West  
1400-1500' east of west line of sec. 2\*\*  
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. #)

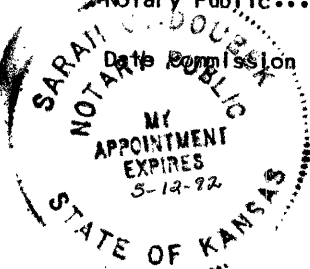
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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.

Signature [Signature] Title Date 6-10-88

Subscribed and sworn to before me this 10th day of June 1988  
Notary Public Sarah O. Doudiek  
Date Commission Expires May 12, 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)  
6-14-88



Sec. 11, Twp. 1, Rge. 38

Operator Name PRODUCTION DRILLING, INC Lease Name MILLER Well # 1

Sec. 11 Twp. 1 Rge. 38  East  West County CHEYENNE

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- 3894-3945  
 Recovered 10' mud with oil specks 30-30=30-30  
 36#FIFP - 36# Final  
 ISIP - 780# FSIP - 707#  
 DST#2 - 3955-4055  
 Recovered 90' gas, 15' clean oil, 60' oil cut mud  
 45-30-45-45  
 FIFP 65# - Final 81#  
 ISIP - 986# Final - 1196#  
 DST #3 4175-4240  
 Recovered 5' mud with few specks of oil  
 30-30-30-30  
 38# FIFP 38# FFFP  
 ISIP 61# FSIP 56#  
 DST #4  
 Recovered 190' gas in pipe, 54' clean oil, 70' oil  
 cut mud 60-60-60-60  
 FIFP 45# FFFP 68#  
 ISIP 840# FSIP 454#

| Name      | Top  | Bottom |
|-----------|------|--------|
| Anhydrite | 3013 | 3045   |
| Oread     | 3935 | 3978   |
| Heebner   | 3978 |        |
| Douglas   | 3983 | 4004   |
| L K C     | 4015 | 4323   |
| Ft Scott  | 4414 | 4440   |
| Cherokee  | 4444 | 4542   |

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 csg.      |                   | 8 5/8                     | 20#            | 170'          | common         | 120         | 2% gel                     |
| Production csg.   | 7 7/8             | 4 1/2                     | 10.5#          | 4538          | standard       | 259         | 10% cal seal & salt        |

| Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|--|-------|
| 4              | 4413-4419                                   | 1000 gal - 15% w/inhibitor   |       |
| 4              | 4044-4450                                   | 1500 gal - 15% w/inhibitor   |       |
| 4              | 3989-3999                                   | 1000 gal 7.5% intensified n/s with inhibitor                                   |       |

TUBING RECORD Size Set At Packer at Liner Run  Yes  No  
 awaiting pumping equipment

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

| Estimated Production Per 24 Hours | Oil    | Gas   | Water    | Gas-Oil Ratio | Gravity |
|-----------------------------------|--------|-------|----------|---------------|---------|
|                                   | 5 Bbls | 0 MCF | 10% Bbls | CFPB          |         |

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

