

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 # 5886  
Name CHIEF DRILLING CO., INC.  
Address 151 N. Main Suite #700  
Wichita, Kansas 67202  
City/State/Zip

Purchaser NA

Operator Contact Person E.W. Shelton, Jr.,  
Phone Vice President 262-3791

Contractor: License # 5883  
Name Warrior Drilling Co.

Wellsite Geologist Ron Dulos  
Phone 316-262-3791

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5-6-86 5-15-86 5-15-86  
Spud Date Date Reached TD Completion Date  
4650 RTD NA  
Total Depth PBTD

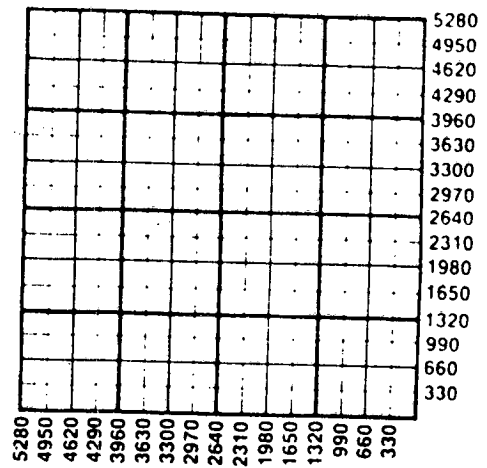
Amount of Surface Pipe Set and Cemented at 261' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set NA feet  
If alternate 2 completion, cement circulated  
from NA feet depth to w/SX cmt

API NO. 15- 101-21-313-00-00  
County Lane  
NW NW NW Sec 16 Twp 18S Rge 27W  East  West

4950 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Hineman "B" Well # 1  
Field Name  
Producing Formation NA  
Elevation: Ground 2691 KB 2698

Section Plat



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 #

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
NE NE NW Sec 32 Twp 17S Rge 27  East  West  
Trucking - Cheyenne June Erskin Shie  
 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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 F.W. Shelton, Jr.  
Title F.W. Shelton, Jr., Vice President  
Date 5-16-86

Subscribed and sworn to before me this 16 day of May 1986  
Notary Public Martha E. Gustin  
Date Commission Expires

MARTHA E. GUSTIN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 7-15-86

STATE CORPORATION COMMISSION  
MAY 21 1986  
CONSERVATION DIVISION  
Wichita, Kansas

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)

Sec 17 Twp 18 Rge 27W

Operator Name Chief Drilling Co., Inc. Lease Name Hineman "B" Well # 1

Sec. 16 Twp. 18S Rge. 27 East West County Lane

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 [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

Formation Description [X] Log [X] Sample

5-12-86 Drilling @ 4410' DST #1 (Pleasanton, Marm, Up. Pawnee) 4317-4448 30-30-30-30 wk bl died in 20", Rec. 30' M, IBHP: 297# FBHP: 154# IFF: 88-88 FFP: 99-99
5-13-86 Drilling @ 4520' DST #2 4444-4561 (L. Pawnee, Ft. Scott, Cherokee, Johnson zones) 30-30-30-30 v wk bl died in 25", Rec. 25' M, IBHP: 1164# FBHP: 1142#, IFF: 88-88 FFP: 99-99
5-14-86 DST #3 4558-4585 (Cher. Sand) wk bl died 15' 30-30-15-1 lost packer seat while flushing tool on 2nd open Rec. 120' M, IBHP: 719# FBHP: 719# IFF: 55-55 FFP: 55-55 RTD 4650'
5-15-86 Ran E-log Plugged w/50 sx @ 2100', 50 sx @ 1100', 40 sx @ 300', 10 sx @ 40', 15 sx RH, 10 sx MH, 175 sx 60/40 posmix, 6% gel, 7:30 am Comp. @ 11:15 am, Dan Goodrow Dist. #1 D&A

Table with columns: Name, Top, Bottom. Lists formations like Anhydrite, B/Anhydr, Heebner, Lansing, Stark, Hush Puckney, BKC, Marmaton, Pawnee, Ft. Scott, Cher. Shale, Cher Sand, Miss Chert with their respective depths.

Well Log

Summary table for Well Log with columns: Formation Name, Top, Bottom. Includes Sand Clay, Clay Shale, Anhydrite, Shale Lime, Shale, Lime, and RTD.

CASING RECORD [X] New [ ] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table for Casing Record with columns: Purpose of String, Size Hole, Size Casing, Weight, Setting Depth, Type of Cement, #Sacks, Type and Percent Additives. Includes handwritten notes like 'RELEASED' and 'FROM CONFIDENTIAL'.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Table for Perforation Record with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth.

TUBING RECORD table with columns: Size, Set At, Packer at, Liner Run, Yes/No.

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

Table for Estimated Production Per 24 Hours with columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity, Bbls, MCF, CFPB.

METHOD OF COMPLETION

Production Interval

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

Handwritten notes and stamps at the bottom of the page.

# CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING

SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER  
PRESIDENT

(316) 262-3791

## DAILY DRILLING REPORT

API: 15-101-21,313-00-00

RIG #2

Hineman "B" #1  
NW NW NW 16-18S-27W  
Lane Co., Ks.

ELEVATION: 2691 GR  
2695 DF  
2698 KB

5-06-86 Moved in on location, Spudded in @ 1:30 pm ran 6 jts. 253', new 20# 8 5/8" @ 261' 175 sx 60/40 posmix, 3% cc 2% gel, Plug down @ 5:20 pm,

5-07-86 Drilling @ 1150'

5-08-86 Drilling @ 2520'

5-09-86 Drilling @ 3200'

5-10-86 Drilling @ 3645'

5-11-86 Drilling @ 4112'

5-12-86 Drilling @ 4410' DST #1 (Pleasanton, Marm, Up. Pawnee) 4317-4448 30-30-30-30 wk bl died in 20", Rec. 30' M, IBHP: 297# FBHP: 154# IFP: 88-88 FFP: 99-99

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Anhydrite	2066 + 632
B/Anhydr	2105 + 593
Heebner	3934 - 1236
Lansing	3973 - 1275
Stark	4245 - 1547
Hush Puckney	4282 - 1584
BKC	4322 - 1624
Marmaton	4351 - 1653
Pawnee	4431 - 1733
Ft Scott	4495 - 1797
Cher. Shale	4517 - 1819
Cher Sand	4570 - 1872
Miss Chert	4596 - 1898
RTD	4650 - ;952

### E-LOG TOPS:

Anhydrite	2066 + 632
B/Anhydr	2098 + 600
Heebner	3934 - 1236
Lansing	3973 - 1275
Stark	4249 - 1551
Hush Puck	4284 - 1586
BKC	4324 - 1626
Marmaton	4362 - 1664
Pawnee	4434 - 1736
Ft. Scott	4499 - 1801
Cher Shale	4524 - 1826
Cher Sand	4582 - 1884
Miss Chert	4598 - 1900
LTD	4653 - 1955

MAY 21 1986

KANSAS DEPARTMENT OF REVENUE  
WICHITA BRANCH

RECEIVED  
STATE CORPORATION COMMISSION

MAY 21 1986

CONSERVATION DIVISION  
Wichita, Kansas

RELEASED

SEP 16 1987

FROM CONFIDENTIAL