

AMENDED ACO-1

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

Purchaser NA

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

Contractor: License # 5883
Name Warrior Drilling Co.

Wellsite Geologist Mitch Allen
Phone 262-3791

Designate Type of Completion

New Well Re-Entry Workover

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

9-10-87 9-18-87 9-18-87
Spud Date Date Reached TD Completion Date

RTD 4470 NA
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 255' 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

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., Vice President
Title Date

Subscribed and sworn to before me this 18th day of September 1987

Notary Public Martha E. Gustin

Date Commission Expires



API NO. 15-195-21,932-00-00
County Trego
SE NE NW Sec 17 Twp 12S Rge 24 East West
4290-2970 Ft North from Southeast Corner of Section
2970-2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

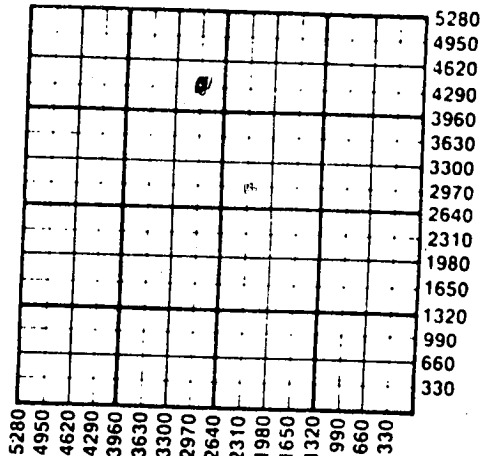
Lease Name HELLER Well # 1

Field Name

Producing Formation NA

Elevation: Ground 2496 KB 2501

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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 Irrigation Sec 2 Twp 12 Rge 25 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. #)

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 SKCFE Plug Other (specify)
10-01-1987
COTI 1987

Sec 17 Twp 12 Rge 24

Operator Name Chief Drilling Co., Inc. Lease Name HELLER Well # 1

Sec. 17 Twp. 12S Rge. 24W County Trego

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

9-15-87 Drilling @ 4034' DST #1 4028-4065 (Lans 160)
30-30-30-30 Rec. 2' M, IF: wk bl died, FF: no blow, IFP: 44-44 FFP: 44-44 IBHP: 60# FBHP: 60#
9-16-87 Drilling @ 4131'
9-17-87 Drilling @ 4375' RTD 4470'
9-18-87 Plugged w/190 sks 60/40 posmix, 6% gel, 1 bag flo seal, 1st plug @ 2100' w/25 sks, 2nd plug @ 1165' w/100 sks, 1 bag flo seal, 3rd plug @ 270' w/40 sks, 40' w/10 sks, 15 sks RH, started @ 4:00 am, Comp. @ 6:00 a.m. Dennis Hamel Dist. #6 State Plugger D & A Final Report

Table with columns: Name, Top, Bottom. Rows include FORMATION TOPS and E-LOG TOPS for Anhydrite, Base Anhydr, Heebner, Lansing, Muncie Cr, BKC, Pawnee, Ft. Scott, Mississippi, and RTD.

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Well Log table with columns: Name, Top, Bottom. Rows: Surface (0, 235), Clay & Sand (235, 1250), Shale (1250, 2078), Anhydrite (2078, 2121), Shale/Lime (2121, 4470 RTD)

CASING RECORD, PERFORATION RECORD, TUBING RECORD, and production data sections. Includes fields for Purpose of String, Size Hole, Size Casing, Weight, Setting Depth, Type of Cement, #Sacks Used, Type and Percent Additives, Shots Per Foot, Producing Method, and Estimated Production Per 24 Hours.

METHOD OF COMPLETION and Production Interval sections. Includes fields for Disposition of gas (Vented, Sold, Used on Lease), Open Hole, Perforation, Other (Specify), Dually Completed, and Commingled.

MISSOURI PUBLIC SAFETY DIVISION

State

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN
SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

DAILY DRILLING REPORT

API: 15-195-21,932-00-00

RIG #1

(316) 262-3791

HELLER #1 (#2521)
SE NE NW Sec. 17-12S-24W
TREGO COUNTY, KS.

ELEVATION: 2496 GR
2498 DF
2501 KB

9-09-87 Moving in on location
 9-10-87 Finished Moving in, Spudded in @ 2:40 pm
 ran 252' 8 5/8" 20# csg. set @ 255', cem.
 w/165 sks 60/40 posmix, 3% cc, 2% gel,
 Plug down @ 7:00 pm
 9-11-87 Drilling @ 712'
 9-12-87 Drilling @ 2300'
 9-13-87 Drilling @ 3045'
 9-14-87 Drilling @ 3675'
 9-15-87 Drilling @ 4034' DST #1 4028-4065 (Lans 160)
 30-30-30-30 Rec. 2' M, IF: wk bl died, FF:
 no blow, IFP: 44-44 FFP: 44-44 IBHP: 60#
 FBHP: 60#
 9-16-87 Drilling @ 4131'
 9-17-87 Drilling @ 4375' RTD 4470'
 9-18-87 Plugged w/190 sks 60/40 posmix, 6% gel, 1
 bag flo seal, 1st plug @ 2100' w/25 sks,
 2nd plug @ 1165' w/100 sks, 1 bag flo seal
 3rd plug @ 270' w/40 sks, 40' w/10 sks,
 15 sks RH, started @ 4:00 am, Comp. @ 6:00
 a.m. Dennis Hamel Dist. #6 State Plugger
 D & A Final Report

FORMATION TOPS:

Anhydrite	2078	+	423
Base Anhydr	2121	+	380
Heebner	3838	-	1337
Lansing	3876	-	1375
Muncie Cr.	3998	-	1497
BKC	4121	-	1620
Pawnee	4265	-	1764
Ft.Scott	4337	-	1836
Mississippi	4419	-	1918
RTD	4470	-	1969

E-LOG TOPS:

Anhydrite	2078	+	423
Base Anhyd	2121	+	380
Heebner	3838	-	1338
Lansing	3876	-	1375
Muncie Cr	4008	-	1507
BKC	4124	-	1623
Pawnee	4267	-	1766
Ft.Scott	4336	-	1835
Mississippi	4433	-	1933
LTD	4473	-	1972

RELEASED

NOV 10 1988

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RECEIVED

STATE GEOLOGICAL COMMISSION

OCT 1 1987

CONSERVATION DIVISION
Wichita, Kansas