

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 Mitch Allen
Phone 316-262-3791

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

2-11-87 2-20-87 2-20-87
Spud Date Date Reached TD Completion Date
4579
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 431 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. 15-101-21,365-0000

County Lane

NW NW NW Sec 6 Twp 17S Rge 29 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)

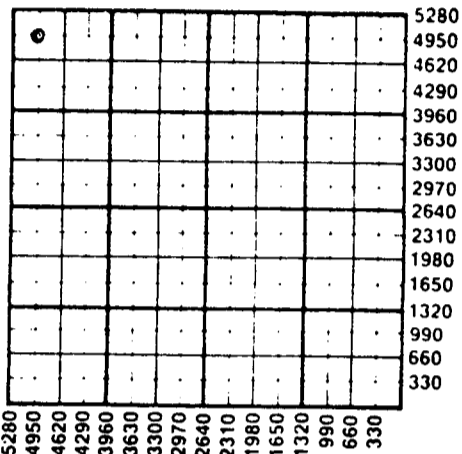
Lease Name Shay Well # 4

Field Name

Producing Formation NA

Elevation: Ground 2830 GR 2834 KB DF 2837 KB

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
NW/4 Sec 6 Twp 17S Rge 29 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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or re-completion 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.

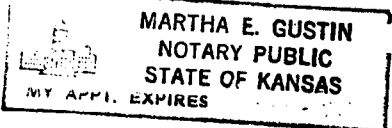
Signature F.W. Shelton, Jr.

Title F.W. Shelton, Jr., Vice President Date 2-24-87

Subscribed and sworn to before me this 24 day of Feb 1987

Notary Public Martha E. Gustin

Date Commission Expires



2-25-85

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. 16, Twp. 17S, Rge. 29W

Operator Name Chief Drilling Co., Inc. Lease Name SHAY Well # 4

Sec. 6 Twp. 17S Rge. 29W East West County Lane County

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

2-16-87 Drilling @ 4120' DST #1 4110-4180
Lans. 140-160 30-30-30-30 IF: wk
bl died in 11 min., FF: no bl, Rec.
8' M, w/scim of O, IBHP: 428# FBHP:
401# IFF: 80-80 FFP: 80-80
2-17-87 DST #2 4176-4214 Lans. 180 z, 30-30
-30-30 IF: wk bl, FF: no bl, Rec.
15' MW IBHP: 795# FBHP: 795# IFF:
62-60 FFP: 62-62
2-18-87 DST #3 4322-4386 (Marmaton) 30-30
-30-30 IF: wk bl died 20", Rec. 5'
M, IBHP: 80# FBHP: 80# IFF: 53-53
FFP: 53-53 DST #4 4408-4442 (Paw.)
30-30-30-30 IF: wk bl died 11",
Rec. 5' M, IBHP: 89# FBHP: 89#
IFF: 43-43 FFP: 43-43
2-19-87 DST #5 4435-4475 (Ft Scott) 30-30-30
-30 IF: wk bl FF: no bl, Rec. 10' M
IBHP: 80# FBHP: 80# IFF: 44-44 FFP:
44-44 DST #6 4474-4532 (Cherokee &
Johnson zone) 30-30-30-30 IF: wk bl
FF: no bl, Rec. 25' O sp M, IBHP:
1010# FBHP: 983# IFF: 89-89 FFP: 89-89
2-20-87 DST #7 4529-4547 (Cherokee Sand)
30-30-120-60 IF: wk bl, FF: wk bldg
to strong bl, Rec. 370' GIP: 125'
cl G O, IBHP: 939# FBHP: 508# IFF:
53-53 FFP: 89-89 Running E-log RTD
4579, Plugged w/50 sks @ 2240', 80
sks @ 1430', 50 sks @ 460', 10 sks
@ 40', 10 sks in RH, 10 sks in MH,
210 sks total, 60-40 posmix, 6% gel
Started 1:30 pm, Comp. 4:30 pm,
Paul Luthi District 1 State Plugger

FORMATION TOPS:

Table with 2 columns: Formation Name, Depth. Includes Anhydrite, Base Anhydr., Heebner, Lansing, Muncie Cr., Stark, Hush Puckney, BKC, Marmaton, Pawnee, Ft. Scott, Cherokee Sh, Mississippi, RTD.

E-LOG TOPS:

Table with 2 columns: Formation Name, Depth. Includes Anhydrite, B/ Anhydrite, Heebner, Lansing, Muncie Cr., Stark, Hush Puckney, BKC, Marmaton, Pawnee, Ft. Scott, Cherokee Sh, Mississippi, LTD.

Well Log

Table with 2 columns: Formation Name, Depth. Includes Sand/Clay, Shale, Anhydrite, Shale, Shale/Lime, Lime, RTD.

CASING RECORD [X] New [] Used

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

Table with 8 columns: 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.

PERFORATION RECORD

Table with 2 columns: Shots Per Foot, Specify Footage of Each Interval Perforated.

Acid, Fracture, Shot, Cement Squeeze Record

Table with 2 columns: (Amount and Kind of Material Used), Depth. Includes text: RELEASED, 147-22-1988, FROM CONFIDENTIAL.

TUBING RECORD

Table with 2 columns: Date of First Production, Producing Method. Includes checkboxes for Flowing, Pumping, Gas Lift, Other (explain).

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes Estimated Production Per 24 Hours.

METHOD OF COMPLETION

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

147-22-1988

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING

SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

DAILY DRILLING REPORT

API: 15-101-21,365

RIG #2

(316) 262-3791

SHAY #4
NW NW NW Sec. 6-17S-29W
LANE COUNTY, KANSAS

ELEVATION: 2830 GR
2834 DF
2837 KB

2-10-87 Moving in on location 5 loads
2-11-87 Finished moving in on location,
spudded in @ 2:00 pm, ran 420'
new 20# 8 5/8" set @ 431' cem.
w/250 sks 60-40 posmix, 3% cc
2% gel, plug down 10:15 pm
2-12-87 Drilling @ 580'
2-13-87 Drilling @ 2424'
2-14-87 Drilling @ 3143'
2-15-87 Drilling @ 3803'
2-16-87 Drilling @ 4120' DST #1 4110-4180
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@ 40', 10 sks in RH, 10 sks in MH,
210 sks total, 60-40 posmix, 6% gel
Started 1:30 pm, Comp. 4:30 pm,
Paul Luthi District 1 State Plugger

FORMATION TOPS:

Anhydrite	2229 +	608
Base Anhydr.	2256 +	581
Heebner	3913 -	1076
Lansing	3949 -	1112
Muncie Cr.	4111 -	1274
Stark	4209 -	1372
Hush Puckney	4243 -	1406
BKC	4283 -	1446
Marmaton	4313 -	1476
Pawnee	4398 -	1561
Ft. Scott	4449 -	1612
Cherokee Sh	4478 -	1641
Mississippi	4554 -	1717
RTD	4579 -	1742

E-LOG TOPS:

Anhydrite	2222 +	615
B/ Anhydrite		
Heebner	3910 -	1073
Lansing	3946 -	1109
Muncie Cr.	4112 -	1275
Stark	4206 -	1369
Hush Puckney	4240 -	1403
BKC	4282 -	1445
Marmaton	4313 -	1476
Pawnee	4398 -	1561
Ft. Scott	4449 -	1612
Cherokee Sh	4475 -	1638
Mississippi	4556 -	1719
LTD	4579 -	1742

STANDARD OIL COMPANY
FEB 25 1988
OPERATION DIVISION
WICHITA, KANSAS

RELEASED

MAR 22 1988

FROM CONFIDENTIAL