

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 Koch Oil Co.

Operator Contact Person F.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

8-13-86 8-19-86 8-20-86
Spud Date Date Reached TD Completion Date
3930 RTD 3903'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 287 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

API NO. 15-051-24,423-00-00

County Ellis

SW.. SW. ...SW Sec. 20. Twp. 12S Rge. 19. East West

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

(Note: Locate well in section plat below)

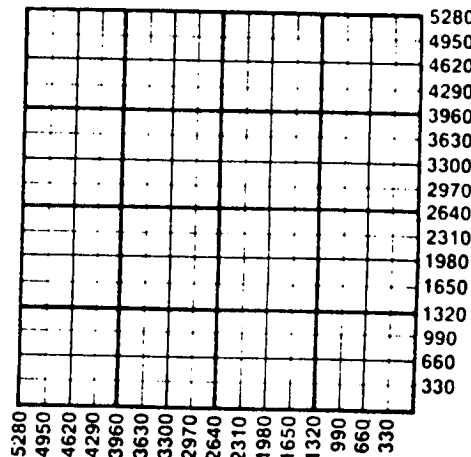
Lease Name Hottman Well # 2

Field Name Crathorne, NW

Producing Formation Simpson

Elevation: Ground 2166 KB 2173

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
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
NE/4 Sec 16 Twp 12 Rge 19 East West
Trucking Cheyene

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., Vice President
Title Date

Subscribed and sworn to before me this 9 day of Sept 1984
Notary Public Martha E. Gustin
Martha E. Gustin

Date Commission Expires

MARTHA E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPL. EXPIRES 4-15-89

Rec'd 09-10-1984

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 20 Twp 12 Rge 19 W

Operator Name Chief Drilling Co., Inc. Lease Name HOTTMAN Well # 2

Sec 20 Twp 12S Rge 19 East West County Ellis

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

B-17-86 Drilling @ 3440' DST #1 3522-3589 Lans. 30 50 & 70 zones 30-45-45-45, IF: strong blow off bottom of bucket in 3 min. FF: fair blow bldg to strong in 15 min. Rec. 150' Oil cut mud, 16% O, 78% M, 6% W, 90' muddy water, chlor. 41,000 ppm IBHP: 221# FBHP: 221#, IFF: 110-110 FFP: 123-123
B-18-86 Drilling @ 3630'
B-19-86 DST #2 3834-3859 (Congl.) 30-45-60-60 Rec. 300' GIP, 1840' CGO NW, 34 grav. @ 60 degrees IBHP: 988#, FBHP: 948# IFF: 178-357 FFP: 446-661 RTD 3930, ran E-log, ran 3907' new & used 4 1/2 csg. 10.5#, set @ 3913', cent. @ 3903-3817-3710-1543 float @ 3903' cem w/175 sx ASC 500 gall mud flush ahead of cem.
B-20-86 Plug down @ 7:30 am

Table with columns: Name, Top, Bottom, E-LOG TOPS. Lists formations like Anhydrite, B/Anhydrite, Topeka, Heebner, Toronto, Lansing, Stark, BKC, Congl. Chert, Arbuckle, RTD with their respective depth ranges.

Well Log

Well Log table with columns: Formation Name, Top, Bottom. Lists Sand Clay, Clay, Anhydr, Shale, Shale/Lime, Lime, RTD with depth ranges.

CASING RECORD [X] New [X] Used

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

Table with 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. Includes entries for Surface and production strings.

PERFORATION RECORD

Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth. Includes a 'RELEASED' stamp and date 'OCT 20 1987'.

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

Date of First Production and Producing Method table with options for Flowing, Pumping, Gas Lift, Other.

Estimated Production Per 24 Hours table with columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Shows 50 Bbls Oil, -0- MCF Gas, -0- Bbls Water, 37+ Gravity.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) 3844-3854 3860-3863 [] Dually Completed [] Commingled [X] single

Operator Name Chief Drilling Co., Inc. Lease Name HOTTMAN Well # 2

Sec 20 Twp 12S Rge 19 East West County Ellis

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

8-17-86 Drilling @ 3440' DST #1 3522-3589 Lans. 30 50 & 70 zones 30-45-45-45, IF: strong blow off bottom of bucket in 3 min. FF: fair blow bldg to strong in 15 min. Rec. 150' Oil cut mud, 16% O, 78% M, 6% W, 90' muddy water, chlor. 41,000 ppm IBHP: 221# FBHP: 221#, IFP: 110-110 FFP: 123-123
8-18-86 Drilling @ 3630'
8-19-86 DST #2 3834-3859 (Congl.) 30-45-60-60 Rec. 300' GIP, 1840' CGO NW, 34 grav. @ 60 degrees IBHP: 988#, FBHP: 948# IFP: 178-357 FFP: 446-661 RTD 3930, ran E-log, ran 3907' new & used 4 1/2 csg. 10.5#, set @ 3913', cent. @ 3903-3817-3710-1543 float @ 3903' cem w/175 sx ASC 500 gall mud flush ahead of cem.
8-20-86 Plug down @ 7:30 am

Table with columns: Name, Top, Bottom, Formation Tops, E-LOG TOPS. Lists formations like Anhydrite, Topeka, Heebner, etc. with depth ranges.

Well Log

Well Log table with columns: Formation Name, Top, Bottom. Lists Sand Clay, Clay, Anhydr, Shale, Shale/Lime, Lime, RTD with depth ranges.

CASING RECORD [X] New [X] Used Report all strings set-conductor, surface, intermediate, production, etc.

Table with columns: Purpose of String, Size Hole, Size Casing, Weight, Setting, Type of Cement, #Sacks Used, Type and Percent Additives. Includes data for Surface and production strings.

PERFORATION RECORD table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record. Includes 'RELEASED' stamp and date 'OCT 20 1987'.

TUBING RECORD Size 2 3/8 Set At 3897.50 Packer at No Liner Run [] Yes [X] No

Date of First Production 9-02-86 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (explain)

Table with columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Shows production data: 50 Bbls Oil, -0- MCF Gas, -0- Bbls Water, 37+ Gravity.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) 3844-3854 3860-3863 [] Dually Completed [] Commingled [X] single

Vertical stamp: RELEASED OCT 20 1987 FROM CONFIDENTIAL

State

15-051-24423-00-00

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: 15-051-24,423
RIG #2

(316) 262-3791

HOTTMAN #2 (#2399)
SW SW SW 20-12S-19W
ELLIS COUNTY, KANSAS

ELEVATION: 2166 GR
2171 DF
2173 KB

8-11-86 Moving in on location
 8-12-86 Moving in on location
 8-13-86 Finish moving in, spudded in @ 2:15pm
 ran 280' new 20# 8 5/8" set @ 287', cem.
 w/160 sx 60/40 posmix 3% cc 2% gel, plug
 down @ 10:30 pm
 8-14-86 Drilling @ 480'
 8-15-86 Drilling @ 2204'
 8-16-86 Drilling @ 2950'
 8-17-86 Drilling @ 3440' DST #1 3522-3589 Lans.
 30 50 & 70 zones 30-45-45-45, IF: strong
 blow off bottom of bucket in 3 min. FF:
 fair blow bldg to strong in 15 min. Rec.
 150' Oil cut mud, 16% O, 78% M, 6% W, 90'
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 178-357 FFP: 446-661 RTD 3930, ran E-log,
 ran 3907' new & used 4 1/2 csg. 10.5#,
 set @ 3913', cent. @ 3903-3817-3710-1543
 float @ 3903' cem w/175 sx ASC 500 gall
 mud flush ahead of cem.
 8-20-86 Plug down @ 7:30 am

FORMATION TOPS:

Anhydrite	1520 + 653
B/Anhydrite	1565 + 608
Topeka	3225 - 1052
Heebner	3459 - 1286
Toronto	3481 - 1308
Lansing	3502 - 1329
Stark	3698 - 1525
BKC	3747 - 1574
Congl Chert	3845 - 1672
Arbuckle	3873 - 1700
RTD	3930 - 1757

E-LOG TOPS:

Anhydrite	1517 + 656
B/Anhydr	1560 + 613
Topeka	3224 - 1051
Heebner	3458 - 1285
Toronto	3482 - 1309
Lansing	3501 - 1328
Stark	3694 - 1521
BKC	3743 - 1570
Congl. Chert	3844 - 1671
Arbuckle	3872 - 1699
LTD	3931 - 1758

RELEASED

OCT 20 1987

FROM CONFIDENTIAL

15-051-24423-00-00

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING

SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

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DAILY COMPLETION REPORT

HOTTMAN #2
SW SW SW 20-12S-19W
Ellis Co., Ks.

8-28-86 Moved in Warrior Double Drum, rigged up, ran temp. survey. Ran correlation, cement and collar log, swab down csg. Perf, 2 shots per ft. 3844-3854 expandable gun 3860-3863 2 sh per ft. tested

1st hr.	10.41	bbls.	tr/w
2nd hr.	8.12	bbls.	tr/w
1/2 hr.	4.06	bbls.	tr/w

8-29-86 1314' fill up, 1/2 hr. 4.64 all 0 preparing to P.O.P.
Mud anchor 29.11 2 x 1 1/2 x 12 THD insert pump
121 jts 2 3/8 3862.39 153 3/4 rods
1 - 6' sub 6.00 2 - 6' pony rods
----- 1 - 4' pony rod
3897.50 1 - 2' pony rod
1 - 16' polish rod

9-02-86 P. O. P.
9-03-86 Bbl test - 83 bbls. in 18 hrs. going into stocktank
9-04-86 50 bbls oil 24 hr. period
9-05-86

RELEASED
OCT 20 1987
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