

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 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

10-13-86 10-21-86 10-22-86
Spud Date Date Reached TD Completion Date
RTD 4650 NA
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 306 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. 15-171-20,343-0000

County Scott

SW NE SW 35 16S 31 East West

1650 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

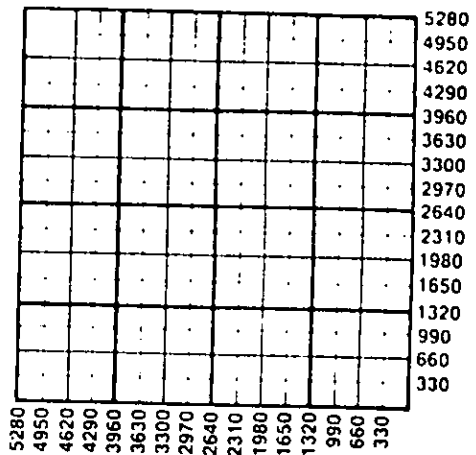
Lease Name THON Well # 1

Field Name

Producing Formation NA

Elevation: Ground 2906 KB 2913

Section Plat



Rec'd
11-17-86

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 SW/4 Sec 35 Twp 16S Rge 31 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 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 10-22-86

Subscribed and sworn to before me this 23 day of Oct. 1986...
Notary Public Martha E. Gustin
Date Commission Expires

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)

MARTHA E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS

Sec. 35 Twp. 16S Rge. 31W

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

Sec..... 35 Twp..... 16S Rge..... 31 East West County..... Scott

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

10-18-86 DST #1 3993-4032 (Lans. 35'z) 30-45-30-45 IF: at blow, FF: very at blow Rec. 900' W, chl. 46,000 ppm, IBHP: 1028# FBHP: 1010# IFP: 89-223 FFP: 267-401
 10-19-86 DST #2 4186-4220 (Lans. 160z) IF: wk bl died in 25", Rec. 5' M w/skim of O IBHP: 89# FBHP: 89# IFP: 33-33 FFP: 33-33 DST #3 4212-4245 (Lans. 180z) IF: wk bl died in 20", Rec. 5' M w/skim of O, IBHP: 401# FBHP: 178# IFP: 44-44 FFP: 44-44 DST #4 4236-4320 (Lans. 200-220) 30-30-60-45 IF: wk bl, FF: fair bl, Rec. 125' W chl. 31,000 ppm, IBHP: 1092# FBHP: 1074# IFP: 72-89 FFP: 98-116 DST #5 4397-4437 (Marmaton) 30-30-30-30 IF: wk bl died 17", FF: no blow, Rec. 15' M w/1' O on top, IBHP: 1092# FBHP: not available IFP: 44-44 FFP: not available
 10-21-86 Drilling @ 4500' DST #6 4548-4595 (Johnson z) 30-30-30-30 IF: wk bl died in 25", Rec. 15' M w/1' O on top, IBHP: 625# FBHP: 116# IFP: 44-44 FFP: 44-44 RTD 4650'
 10-22-86 Running E-log Plugged w/50 sx @ 2340' 70 sx @ 1600, 40 sx @ 660', 50 sx @ 360', 10 sx @ 40', 15 sx in RH, 10 sx in the MH, 245 sx 60/40 posmix 6% gel started @ 12:30 pm, completed @ 3:00 pm Richard Lacey Dist. #1 State Plugger

Name	Top	Bottom
FORMATION TOPS:		
Anhydrite	2313 +	600
B/Anhydrite	2334 +	579
Toronto	3956 -	1043
Lansing	3972 -	1059
Muncie Cr.	4152 -	1239
Stark	4240 -	1327
Base of KC	4320 -	1407
Marmaton	4360 -	1447
Pawnee	4454 -	1541
Ft. Scott	4502 -	1589
Char. Shale	4527 -	1614
Mississippi	4608 -	1695
RTD	4650 -	1737
E-LOG TOPS:		
Anhydrite	2314 +	599
B/Anhydrite	2334 +	579
Heebner	3935 -	1022
Toronto	3962 -	1049
Lansing	3976 -	1063
Muncie Cr.	4155 -	1242
Stark	4244 -	1331
BKC	4324 -	1411
Marmaton	4362 -	1449
Pawnee	4456 -	1543
Ft. Scott	4506 -	1593
Cherokee Shale	4530 -	1617
Mississippi	4614 -	1701
LTD	4654 -	1741

Well log

Sand/Clay	0	665
Shale	665	2313
Anhydrite	2313	2334
Shale	2334	4156
Lime	4156	4650

RTD

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	12 1/4"	8 5/8"	20#				

PERFORATION RECORD
 Shots Per Foot Specify Footage of Each Interval Perforated
 Acid, Fracture, Shot Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD
 Size Set At Packer at Liner Run Yes No

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

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

RELEASED
 NOV 17 1987

FROM CONFIDENTIAL

METHOD OF COMPLETION Production Interval

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

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: 15-171-20,343

RIG #2

THON #1 (2497)
SW NE SW 35-16S-31W
Scott County, Kansas

ELEVATION: 2906 GR
2910 DF
2913 KB

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10-13-86 Moved in, Spudded in @ 3:30 pm Ran 300' 8 5/8", set @ 306' cem. w/190 sks 60/40 posmix 2% gel, 3% cc plug down @ 8:15 pm

10-14-86 Drilling @ 837'

10-15-86 Drilling @ 2344'

10-16-86 Drilling @ 3084'

10-17-86 Drilling @ 3656'

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