

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 262-3791

Designate Type of Completion

- New Well Re-Entry Workover
- OTT 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

4-23-86	5-04-86	5-04-86
Spud Date	Date Reached TD	Completion Date
4590'	NA	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 300' 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-.....109-20,420-00-00
County Logan

NW.NW.SE.... Sec.5... Twp.13...Rge.33... East West

....2310. Ft North from Southeast Corner of Section
....2310. Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

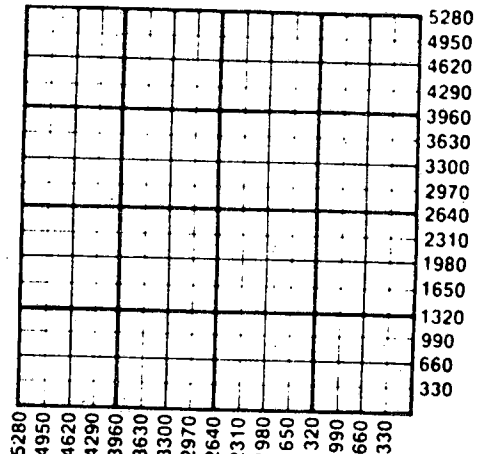
Lease Name Lee Well # 1

Field Name

Producing Formation NA

Elevation: Ground 2963 KB 2968

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 S/2 Sec 8 Twp 12 Rge 33 East West
Irrigation well hauled by cheyenne
 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 slide 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 8th day of May 1986.
Notary Public Martha E. Gustin

STATE CORPORATION COMMISSION
Date Commission Expires
05-13-1986

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

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. 5 Twp. 13 Rge. 33

15-109-20420-00-00

SIDE TWO

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

Sec. 5 Twp. 13S Rge. 33 East West County Logan

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

4-28-86 DST #1 3840-3885 (Toronto) 30-45-60-60 IF: st bl off bottom immed. Rec. 2137' W, chl. 46,000 ppm IBHP: 1192# FBHP: 1219# IFF: 250-732 FFP: 831-1092
4-29-86 DST #2 3879-3940 (Lans A & 35) 30-45-60-45 IF: wk bl built to st. FF: same, Rec. 480' W, chl. 43,000 ppm, IBHP: 1210# FBHP: 1210# IFF: 53-107 FFP: 151-250 DST #3 3937-3995 (Lans 50&70) 30-45-60-45 IF: wk bldg to st bl FF: same, Rec. 630' W, (chl. 49,000 ppm) IBHP: 1255# FBHP: 1255# IFF: 44-107 FFP: 133-285
4-30-86 DST #4 4041-4110 (Lans 140 & 160) 30-45-60-60 IF: st bl off bott immediately, FF: st bl off bottom in 8", Rec. 2' Free O, 1178' W, IBHP: 1237# FBHP: 1237# IFF: 44-107 FFP: 133-285
5-01-86 DST #5 4132-4250 (Lans 200-220 & U. Marm) 30-30-30-30 IF: wk bl died, Rec. 70' M, IBHP: 1228# FBHP: 1228# IFF: 62-62 FFP: 71-71
5-02-86 DST #6 4331-4425 (Pawnee Ft Scott) 30-30-30-30 IF: wk bl throughout, Rec. 25' M, IBHP: 1028# FBHP: 939 IFF: 80-80 FFP: 80-80
5-03-86 DST #7 4446-4493 (Johnson) 30-30-30-30 IF: wk bl died in 22", IBHP: 61# FBHP: 61# IFF: 44-44 FFP: 44-44
5-04-86 T.D. 4590' Ran E-log plugged w/185 sx 60-40 pos-mix, 6% gel, 1 sx celloflake, 1st plug @ 2430' w/20 sx, 1360' w/100 sx, 340' w/40 sx, solid bridge @ 40', w/10 sx, 15 sx RH, Mike Larson Dist. #6

FORMATION TOPS: Anhydrite 2423 + 545 B/Anhydr. 2446 + 522 Heebner 2845 - 877 Toronto 3864 - 896 Lansing 3886 - 918 Muncie Cr 4044 - 1076 Stark 4134 - 1166 BKC 4199 - 1231 Marmaton 4239 - 1271 Pawnee 4340 - 1372 Ft. Scott 4397 - 1429 Cher. Sh 4422 - 1454 Miss Lime 4454 - 1586 RTD 4590 - 1622
E-log Tops: Anhydrite 2427 + 541 Heebner 3847 - 879 Toronto 3864 - 896 Lansing 3893 - 925 Muncie Cr. 4046 - 1078 Stark 4135 - 1167 BKC 4199 - 1231 Marmaton 4243 - 1275 Pawnee 4339 - 1371 Ft. Scott 4398 - 1430 Cher. Sh 4425 - 1457 Miss Lime 4456 - 1588 LTD 4592 - 1624

Well Log
0 560 Clay Sand
560 2423 Shale
2423 2446 Anhydrite
2446 4199 Shale
4199 4590 Lime
4590 RTD

CASING RECORD [X] New [] 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. Row 1: Surface, 12.1/4, 8.5/8", 20#, 300', 60/40, 175, 2%cc 3%ge

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

TUBING RECORD Size, Set At, Packer at, Liner Run [] Yes [X] No

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

Table with columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row 1: Estimated Production Per 24 Hours, Bbls, MCF, Bbls, CFPB

METHOD OF COMPLETION Production Interval

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

[] Dually Completed [] Commingled

RELEASED SEP 16 1987

FROM CONFIDENTIAL

5/25/86

15-109-20420-00-00

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: 15-109-20,420

RIG #1

LEE #1 (#2257)
NW NW SE 5-135-33W
LOGAN COUNTY, KS.

CONFIDENTIAL

ELEVATION: 2963 GR
2967 DF
2968 KB

FORMATION TOPS:

4-23-86 Moved in on location, spudded in @ 6:15 pm
ran 7 jts new 20# 8 5/8", 297' set @ 300'
cem w/175 sx 60/40 posmix, 2% cc 3% gel

4-24-86 plug down @ 2:00 am, Drilling out plug 9:00 am

4-25-86 Drilling @ 1818'

4-26-86 Drilling @ 2732'

4-27-86 Drilling @ 3381'

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st bl off bottom immed. Rec. 2137' W, chl.
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FF: same, Rec. 630' W, (chl. 49,000 ppm) IBHP:
1255# FBHP: 1255# IFP: 44-107 FFP: 133-285

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mix, 6% gel, 1 sx celloflake, 1st plug @ 2430'
w/20 sx, 1360' w/100 sx, 340' w/40 sx, solid
bridge @ 40', w/10 sx, 15 sx RH, Mike Larson Dist. #6

Anhydrite	2423 +	545
B/Anhydr.	2446 +	522
Heebner	2845 -	877
Toronto	3864 -	896
Lansing	3886 -	918
Muncie Cr	4044 -	1076
Stark	4134 -	1166
BKC	4199 -	1231
Marmaton	4239 -	1271
Pawnee	4340 -	1372
Ft. Scott	4397 -	1429
Cher. Sh	4422 -	1454
Miss Lime	4454 -	1586
RTD	4590 -	1622

E-log Tops:

Anhydrite	2427 +	541
Heebner	3847 -	879
Toronto	3864 -	896
Lansing	3893 -	925
Muncie Cr.	4046 -	1078
Stark	4135 -	1167
BKC	4199 -	1231
Marmaton	4243 -	1275
Pawnee	4339 -	1371
Ft. Scott	4398 -	1430
Cher. Sh	4425 -	1457
Miss Lime	4456 -	1588
LTD	4592 -	1624

MAY 13 1986

RECEIVED
STATE CORPORATION COMMISSION
MAY 13 1986

CONSERVATION DIVISION
WICHITA, KANSAS

FROM CONFIDENTIAL