

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

.8-23-86.. .8-30-86... .8-30-86....  
Spud Date Date Reached TD Completion Date

4710 RTD  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 324 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 NA w/ SX cmt

API NO. 15-....193-20,414-00-00.....

County.....Thomas.....

SW..SW..SW..... Sec 18 Twp 10S Rge 32  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)

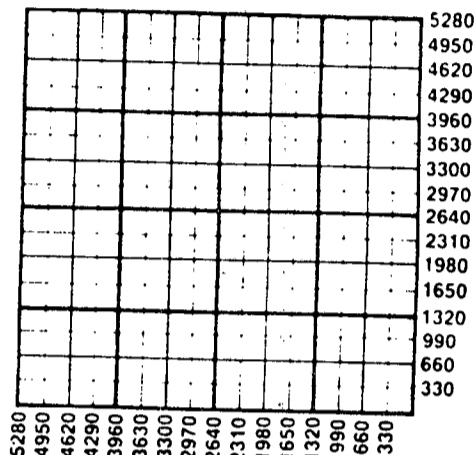
Lease Name.....FRANZ.....Well #.1.....

Field Name.....

Producing Formation...NA.....

Elevation: Ground 3110.....KB.....3117....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # .....  Repressuring

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 18 Twp 10 Rge 32  East  West well drilled by B&B Drilling Grinnell
- 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. #)

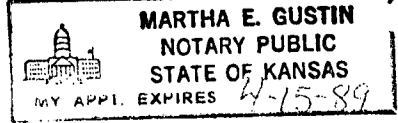
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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  
Date 9-4-86

Subscribed and sworn to before me this 4th day of Sept. 19.86...  
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)

09-11-1986

SEP 3 1986

Sec 18 Twp 10 Rge 32

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

Sec. 18 Twp. 10S. Rge. 32. East West County Thomas

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

8-27-86 DST #1 4200 - 4272 (Lans. 140-160)
30-45-60-60 IF: fair blow; FF: fair blow
Rec. 650' SW, chl. 41,000 ppm IBHP: 1336#
FBHP: 1318# IFF: 116-169 FFP: 214-348
8-28-86 Drilling @ 4310' DST #2 4260-4330 Lansing
180-200 30-30-30-30 IF: wk bl died in 21"
Rec. 20' M, IBHP: 1237# FBHP: 1237# IFF:
80-80 FFP: 80-80
8-29-86 Drilling @ 4500' DST #3 4590-4640 (Johnson)
30-30-30-30 IF: wk bl died in 20", Rec. 25'
OM, (19% O, 80% M, tr W) IBHP: 89# FBHP: 89#
IFF: 62-62 FFP: 62-62
8-30-86 Drilling @ 4680 RTD 4710, Ran E-log, Plugged
w/20 sks 60/40 posmix 6% gel, 3% cc, 1 bag
celloflake, 8 5/8 plug 1 bag hulls, 1st
plug @ 2640 w/30 sks, 2nd plug 1810' w/100
sks, 3rd plug @ 350' w/40 sks, 40'-0' w/10
sks, 15 sks RH, 10 sks MH, started 4:00 pm
finished 8:00 pm

Table with columns: Name, Top, Bottom. Includes FORMATION TOPS and E-LOG TOPS with values for Anhydrite, Base Anhydr, Topeka, Heebner, Toronto, Lansing, Muncie Cr., Stark, Base K.C., Marmaton, Pawnee, Ft. Scott, Ch. Shale, Mississippi, and RTD.

Well Log table with columns: Sand/Clay, Shale, Anhydr., Shale, Lime, RTD. Values: 0, 1450, 1450, 2621, 2649, 4289, 4710.

CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Producing Method, Estimated Production, METHOD OF COMPLETION, Production Interval. Includes a large diagonal line across the bottom half and a 'RELEASED' stamp dated OCT 20 1987.

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

WITNESSED AND APPROVED
[Signature]

# CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING  
SUITE 700

WICHITA, KANSAS 67202

15-193-20414-00-00

V. RICHARD HOOVER  
PRESIDENT

(316) 262-3791

## DAILY DRILLING REPORT

API: 15-193-20,414

RIG #2

FRANZ #1 (2460)  
SW SW SW 18-10S-32W  
THOMAS CO., KS.

### ELEVATIONS:

3110 GR  
3115 DF  
3117 KB

8-21-86 Moving in on location  
8-22-86 Finish moving in on location  
8-23-86 Spudded in @ 4:00 pm, ran 8 jts, new 20#  
8 5/8" csg 321' set @ 324', cem w/190 sks  
60/40 posmix, 2% gel, 3% cc, plug down @  
8-24-86 9:30 pm, drilling out plug @ 4:30 am  
8-24-86 Drilling @ 692' 7:00 am  
8-25-86 Drilling @ 2655'  
8-26-86 Drilling @ 3400'  
8-27-86 DST #1 4200 - 4272 (Lans. 140-160)  
30-45-60-60 IF: fair blow, FF: fair blow  
Rec. 650' SW, chl. 41,000 ppm IBHP: 1336#  
FBHP: 1318# IFP: 116-169 FFP: 214-348  
8-28-86 Drilling @ 4310' DST #2 4260-4330 Lansing  
180-200 30-30-30-30 IF: wk bl died in 21"  
Rec. 20' M, IBHP: 1237# FBHP: 1237# IFP:  
80-80 FFP: 80-80  
8-29-86 Drilling @ 4500' DST #3 4590-4640 (Johnson)  
30-30-30-30 IF: wk bl died in 20", Rec. 25'  
OM, (19% O, 80% M, tr W) IBHP: 89# FBHP: 89#  
IFP: 62-62 FFP: 62-62  
8-30-86 Drilling @ 4680 RTD 4710, Ran E-log, Plugged  
w/20 sks 60/40 posmix 6% gel, 3% cc, 1 bag  
celloflake, 8 5/8 plug 1 bag hulls, 1st  
plug @ 2640 w/30 sks, 2nd plug 1810' w/100  
sks, 3rd plug @ 350' w/40 sks, 40'-0' w/10  
sks, 15 sks RH, 10 sks MH, started 4:00 pm  
finished 8:00 pm

### FORMATION TOPS:

Anhydrite	2621 +	496
B/Anhydrite	2649 +	468
Topeka	3798 -	681
Heebner	4025 -	908
Toronto	4045 -	928
Lansing	4070 -	953
Muncie Cr.	4206 -	1089
Stark	4290 -	1173
BKC	4353 -	1236
Marmaton	4382 -	1265
Pawnee	4481 -	1364
Ft. Scott	4541 -	1424
Ch. Shale	4568 -	1451
Mississippi	4657 -	1540
RTD	4710 -	1593

### E-LOG TOPS:

Anhydrite	2621 +	496
Base Anhydr	2649 +	468
Topeka	3808 -	691
Heebner	4025 -	908
Toronto	4047 -	930
Lansing	4070 -	953
Muncie Cr.	4205 -	1088
Stark	4289 -	1172
Base K.C.	4353 -	1236
Marmaton	4383 -	1266
Pawnee	4483 -	1366
Ft. Scott	4542 -	1425
Ch. Shale	4570 -	1453
Mississippi	4658 -	1541
LTD	4713 -	1596

RELEASED

OCT 20 1987

FROM CONFIDENTIAL