

P1 *Just*

KANSAS CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 7461  
name C.E. Marker Oil Co  
address 415 W 5th St.  
City/State/Zip Ellinwood, Kansas 67526

Operator Contact Person C.E. MARKER  
Phone 564-2133

Contractor: license # 5122  
name Woodman-Iannitti Drilling Co

Wellsite Geologist R.O.P. TREMBLAY  
Phone 792-1383

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  
Date Reached TD 6-22-84 6-28-84 6-28-84  
Completion Date  
Total Depth 3430' PBTD  
Amount of Surface Pipe Set and Cemented at 339' 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. 15-0009-23,555

County Barton

Sec 24 Twp 19 Rge 12  
(location)  East  West

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

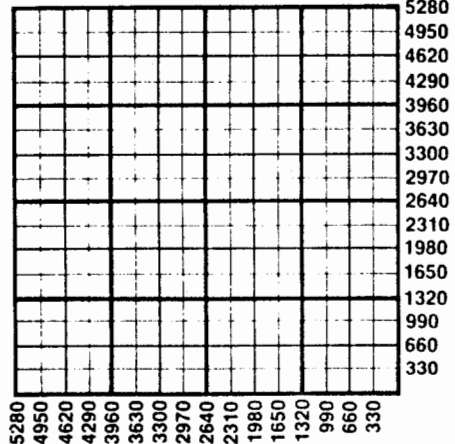
Lease Name Robl Well# 4

Field Name Werner-Robl

Producing Formation AR. BU. CL. E

Elevation: Ground ..... KB

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit # .....  
 Groundwater ..... Ft North From Southeast Corner and  
(Well) ..... Ft. West From Southeast Corner of  
Sec Twp Rge  East  West  
 Surface Water ..... Ft North From Southeast Corner and  
(Stream, Pond etc.) ..... Ft West From Southeast Corner  
Sec Twp Rge  East  West  
 Other (explain) .....  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket # .....

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Topeka, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 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 1984 See rule 82-3-107  
confidentiality in excess of 12 months. AUG 14 1984

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 abandoned wells.

*Survey*

104670

SIDE TWO

Operator Name C.E.Marker Oil Company Lease Name Robl Well# 4 SEC 24 TWP. 19 RGE. 12  We

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

Table with 3 columns: Formation Name, Interval Start, Interval End. Rows include Clay & Sand, Shale w/ Sand, Shale & Red Bed, Anhy, Shale, Lime, and Arb.

Name Top Bottom

TUBING RECORD size 2" set at 3408 packer at Liner Run  Yes  No
Date of First Production Producing method  flowing  pumping  gas lift  Other (explain)
Estimated Production Per 24 Hours Oil 40 Bbls Gas MCF Water NONE Bbls Gas-Oil Ratio CFPB Gravity 41.1

METHOD OF COMPLETION  open hole  perforation
Disposition of gas:  vented
PRODUCTION INTERVAL 3380 to 3384 3200 to 3201

PERFORATION RECORD shots per foot specify footage of each interval perforated
Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used) Depth

24-19-12W  
Ond

C.E. Marker  
#4 Robl

C S/2 SW SE  
Sec. 24-19S-12W  
Barton County, Kansas

5 1/2" PRODUCTION CASING SET\*

CONTRACTOR: Woodman-Iannitti Drilling Co. (Rig #1)

COMMENCED: June 21, 1984

COMPLETED: June 28, 1984

ELEVATIONS: 1801' K.B., 1799' D.F., 1796' G.L.

CASING PROGRAM: Surface: 8 5/8" @ 339'  
Production: 5 1/2" @ 3429'

SAMPLES: Samples were examined from 2600' to the R.T.D.

DRILLING TIME: One (1) foot drilling time recorded by geolograph 2600' to the R.T.D.

MEASUREMENTS: All depths measured from the Kelly Bushing

ELECTRIC LOG: Radiation Guard by Wire Tech

FORMATION TESTING: There were three (3) drill stem tests run by Star Hughes Testers

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB SEA DATUM</u>
Anhydrite	599	+1202
Topeka	2685	- 884
Heebner	2948	-1147
Toronto	2965	-1164
Douglas	2980	-1179
Brown Lime	3067	-1266
Lansing	3085	-1284
Base/Kansas City	3336	-1535
Conglomerate	3344	-1543
Arbuckle	3378	-1577
R.T.D.	3430	-1629
L.T.D.	3431	-1630

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SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

2686-2694 Limestone, white to gray, scattered fossiliferous, slightly chalky, fair inter-crystalline porosity, no shows

2704-2710 Limestone, gray, finely crystalline, slightly fossiliferous, poor visible porosity, no shows

2715-2725 Limestone, gray to tan, slightly fossiliferous, fair inter-fossiliferous porosity, no shows

2727-2735 Limestone, gray, fossiliferous, fair pin-point porosity, light brown stain, scattered saturation, fair show of free oil

2740-2750 Limestone, white to gray, finely crystalline, scattered cherty, poor visible porosity, no shows

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Wichita, Kansas

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2751-2760 Limestone, white to gray, chalky, slightly fossiliferous, poor visible porosity, no shows

DRILL STEM TEST #1 2719-2758

Open: IF 45  
FF 45  
Blow: Weak, building  
Recovery: 10' slightly oil specked mud,  
120' slightly gas cut muddy water with show of dead oil on top of tool  
Pressures: ISIP 867 psi  
FSIP 820 psi  
IFP 64-73 psi  
FFP 82-92 psi  
HSH 1421-1402 psi

2770-2782 Limestone, gray to tan, fossiliferous, finely crystalline, poor visible porosity, no shows

2792-2802 Limestone, white, highly chalky, poor visible porosity, no shows

2810-2820 Limestone, white to buff, finely crystalline, scattered pin-point porosity, brown to golden brown stain, scattered saturation, weak show of free oil

2825-2838 Limestone, white, highly chalky, poor visible porosity, no shows

2842-2850 Limestone, gray to tan, fossiliferous, fair inter-fossiliferous porosity, no shows

2860-2870 Limestone, buff, fossiliferous, fair fossiliferous porosity, fair golden brown to brown stain, fair saturation, fair show of free oil

2872-2880 Limestone, gray, fossiliferous, fair inter-fossiliferous porosity, no shows

2889-2900 Limestone, gray, oolitic, fair to good oolitic porosity, brown stain, fair saturation, fair odor, fair show of free oil

2901-2911 Limestone, buff, fossiliferous to oolitic, fair oolitic porosity, brown stain, fair saturation, fair odor, fair show of free oil

DRILL STEM TEST #2 2886-2911

Open: IF 45  
FF 45  
Blow: Weak, building  
Recovery: 940' gas in pipe,  
25' oil & gas cut mud  
(20% gas, 5% oil, 5% water, 70% mud)  
60' oil & gas cut mud  
(25% gas, 5% oil, 25% water, 45% mud)  
Pressures: ISIP 514 psi  
FSIP 514 psi  
IFP 37-37 psi  
FFP 46-46 psi  
HSH 1509-1490 psi

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2920-2930 Limestone, gray, finely crystalline, slightly fossiliferous, poor visible porosity, no shows

2935-2945 Limestone, as immediately above, with scattered white, dense, highly chalky, limestone, no shows

LANSING SECTION

3085-3090 Limestone, white to cream, chalky, scattered fossiliferous, poor visible porosity, no shows

3095-3105 Limestone, gray, finely crystalline, scattered inter-crystalline porosity, golden brown to brown stain, weak odor, weak show of free oil

3110-3120 Limestone, white to cream, slightly fossiliferous, scattered chalky, fair inter-crystalline porosity, scattered brown stain, fair saturation, weak odor, weak show of free oil

3124-3130 Limestone, gray, scattered vugular type porosity, brown stain, fair saturation, fair odor, fair show of free oil

3131-3140 Limestone, buff, oolitic to sub-ocastic, fair inter-fossiliferous to oocastic porosity, brown stain, scattered saturation, weak odor, fair show of free oil

3145-3150 Limestone, gray to tan, finely crystalline, cherty, fair inter-crystalline porosity, scattered brown stain, no show of free oil

DRILL STEM TEST #3 3071-3160

Open: IF 45  
FF 45

Blow: Strong, gas to surface in 38 min., too small to measure

Recovery: 450' fluid unloaded, slightly oil and gas cut mud, changed to heavy oil and gas cut mud  
360' heavy oil and gas cut mud  
420' very heavy oil and gas cut mud  
100' muddy gassy oil  
20' water  
1350' total fluid

Pressures: ISIP 657 psi  
FSIP 648 psi  
IFP 212-391 psi  
FFP 447-495 psi  
HSH 1617-1597 psi

3170-3180 Limestone, gray, oocastic, fair to good oocastic porosity, no show of free oil

3181-3189 Limestone, as immediately above, no shows

3190-3200 Limestone, white to gray, fossiliferous, scattered inter-fossiliferous porosity, black (dead) stain, no show of free oil

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- 3201-3210 Limestone, gray, fine to medium crystalline, slightly granular, fair inter-granular porosity, scattered golden brown stain, weak show of free oil
- 3221-3230 Limestone, gray, oocastic, scattered oocastic porosity, trace brown stain, weak show of free oil
- 3238-3250 Limestone, white, fossiliferous, fair to good inter-fossiliferous porosity, brown to golden brown stain, scattered saturation, weak odor, fair show of free oil
- 3251-3264 Limestone, white to gray, oocastic, good oocastic porosity, scattered golden brown stain, weak show of free oil
- 3270-3280 Limestone, white to gray, finely crystalline, scattered cherty, poor visible porosity, scattered light brown stain, weak show of free oil
- 3290-3300 Limestone, buff, finely crystalline, cherty, poor visible porosity, no shows
- 3305-3312 Limestone, white to buff, scattered chalky, trace cherty, scattered inter-crystalline porosity, trace golden brown to brown stain, weak show of free oil
- 3320-3330 Limestone, white to gray, scattered oolitic, fine to medium crystalline, fair inter-crystalline porosity, scattered brown to golden brown stain, fair odor, weak show of free oil

ARBUCKLE SECTION

- 3377-3382 Dolomite, gray, finely crystalline, sucrosic, scattered inter-crystalline porosity, brown stain, fair odor, weak show of free oil
- 3383-3390 Dolomite, white to gray, sucrosic, finely crystalline, scattered inter-crystalline porosity, brown stain, fair odor, weak show of free oil
- 3391-3400 Dolomite, white to gray, finely crystalline, cherty, poor visible porosity, trace of brown stain, weak show of free oil
- 3402-3410 Dolomite, white to gray, finely crystalline, scattered medium crystalline, sucrosic, scattered inter-crystalline porosity, trace of brown stain, weak show of free oil
- 3415-3430 Dolomite, white to gray, fine to medium crystalline sucrosic, scattered inter-crystalline porosity, no show of free oil

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ROTARY TOTAL DEPTH            3430 (-1629)

LOG TOTAL DEPTH                3431 (-1630)

RECOMMENDATIONS:

Due to the favorable structural position and the results of drill stem test #3 it was recommended that 5 1/2" production casing be set one (1') foot off bottom and the following zones be tested:

- |             |           |           |                           |
|-------------|-----------|-----------|---------------------------|
| 1) Arbuckle | 3380-3384 | Perforate | → Perforated with 8 shots |
| 2) Lansing  | 3288-3291 | Perforate |                           |
| 3) Lansing  | 3251-3253 | Perforate |                           |
| 4) Lansing  | 3155-3159 | Perforate |                           |
| 5) Lansing  | 3131-3136 | Perforate |                           |
| 6) Lansing  | 3111-3116 | Perforate |                           |
| 7) Lansing  | 3090-3093 | Perforate |                           |
| 8) Topeka   | 2890-2893 | Perforate |                           |

Respectfully submitted,

*Rod Tremblay*  
Rod Tremblay.

AUG 14 1984

State Geological Survey  
WICHITA BRANCH