

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 #700  
Wichita, Ks. 67202  
City/State/Zip

Purchaser Koch Oil Co.

Operator Contact Person F.W. Shelton, Jr.  
Phone 316-262-3791

Contractor: License # 5883  
Name Warrior Drilling Co. #2

Wellsite Geologist Steve Kreidler  
Phone

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  
12-26-85 1-06-86 1-16-86  
Spud Date Date Reached TD Completion Date  
4700 4431'  
Total Depth PBDT

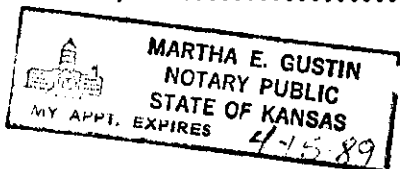
Amount of Surface Pipe Set and Cemented at 293' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set. feet  
If alternate 2 completion, cement circulated from. feet depth to. w/ SX cmt

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 Pres.  
Title Date 1-9-86

Subscribed and sworn to before me this 12 day of Feb 1986  
Notary Public Martha E. Gustin  
Date Commission Expires



API No. 15-101-21,270-0000

County Lane  
SE NE SW  
36 19S 29W 36Twp 19Rge 29 East West

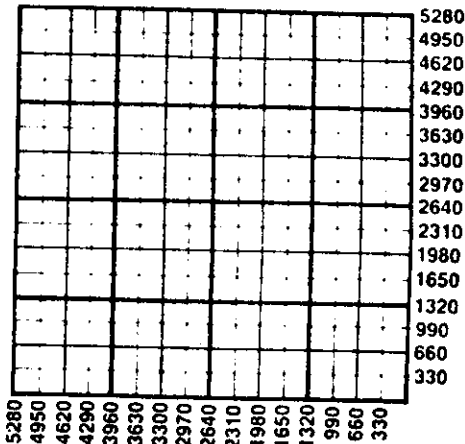
1650 Ft North from Southeast Corner of Section  
2070 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name TRIAN Well # 1

Field Name J-Mur Northeast

Producing Formation LKC

Elevation: Ground 2815 2819 2822  
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 # 27071  
J.C. Walker, Dighton, Ks.  
 Groundwater Ft North from Southeast Corner (Well) SW Sec 18 Twp 18 Rge 28  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. #)

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)

FEB 20 1986  
2-19-86

Sec 3 Stamp Page 29 W

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST  
BARREL TEST

OPERATOR Chief Orlg. LOCATION OF WELL SE, NE, SW  
 LEASE Truan OF SEC. 36 T 19 R 29  
 WELL NO. 1 COUNTY Lane  
 FIELD \_\_\_\_\_ PRODUCING FORMATION K.C  
 Date Taken 2-12-86 Date Effective \_\_\_\_\_

Well Depth 4700' Top Prod. Form 4298' Perfs 4300'-64'  
 Casing: Size 4 1/2" Wt. 10 1/2 # Depth 4435' Acid 1-13-86, 9000 gals.  
 Tubing: Size 2 3/8" Depth of Perfs 4410' Gravity 36 +  
 Pump: Type insert Bore 1 1/2" Purchaser Koch  
 Well Status Pumping  
 Pumping, flowing, etc.

TEST DATA

Permanent \_\_\_\_\_ Field \_\_\_\_\_ Special \_\_\_\_\_  
 Flowing \_\_\_\_\_ Swabbing \_\_\_\_\_ Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS  
 SHUT IN 0 HOURS

DURATION OF TEST 0 HOURS 8 MINUTES 45 SECONDS

GAUGES: WATER 5.7 INCHES 57 PERCENTAGE  
 OIL 4.3 INCHES 43 PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 165

WATER PRODUCTION RATE (BARRELS PER DAY) 94.05

OIL PRODUCTION RATE (BARRELS PER DAY) 70.95 PRODUCTIVITY

STROKES PER MINUTE 12

LENGTH OF STROKE 54 INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS \_\_\_\_\_

RECEIVED  
STATE CORPORATION COMMISSION

FEB 17 1986

CONSERVATION DIVISION  
Wichita, Kansas

Dan Goodson

J. M. Lindersmith

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

Sec..... 36 ..... Twp..... 19S ..... Rge..... 29 .....  East  West County..... Lane.....

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

01-01-86 DST #1 4293-4338 (LKC 200zn) 30-60-60-60 strong blow off bottom of bkt immediately Rec. 180' GIP, 2506' CGO (32 gr. @ 18°F) 254' W, (chl. 66,000 ppm) IBHP: 1001# FBHP: 1001# IFP: 383-849 FFP: 939-1001 DST #2 4338-4347 (Middle Cr) 30-60-45-60 strong blow off bottom in 3", GTS in 90", Rec. 800' CGO (36 gr) IBHP: 1119# FBHP: 1101# IFP: 89-133 FFP: 178-267

01-02-86 DST #3 4350-4378 (LKC 220 z) 30-60-45-60 st blow off bottom in 1 1/2" on Init. flow st blow off bottom in 11" on final flow Rec. 550' GIP; 945' CGO; IBHP: 939# FBHP: 912# IFP: 107-169 FFP: 232-330 DST #4 4383-4413 (Pleasanton & U Marmaton) 30-45-45-45 wk. blow throughout, Rec. 5' M; IBHP: 44# FBHP: 44# IFP: 44-44 FFP: 44-44

01-03-86 DST #5 4432-4475 (Marm "B") 30-60-75-60 fair blow on Init. flow, wk. blow on final flow, Rec. 1' O; 60' OSWM; 120' W; (chl. 25,000 ppm) IBHP: 232# FBHP: 223# IFP: 62-71 FFP: 89-116

01-04-86 DST #6 4486-4538 (L. Pawnee) 30-30-30-30 wk blow died, Rec. 15' M, IBHP: 89# FBHP: 89# IFP: 71-71 FFP: 71-71 DST #7 4536-4572 (Ft. Scott) 30-30-30-30 wk blow died, Rec. 2' M IBHP: 44# FBHP: 44# IFP: 35-35 FFP: 35-35

01-05-86 DST #8 4575-4630 (Upp & Low Cherokee) 30-30-30-30 very wk blow died, Rec. 5' M IBHP: 80# FBHP: 80# IFP: 71-71 FFP: 71-71

01-06-86 DST #9 4665-4678 (Miss Dol.) 2" blow 30-45-45-45 wk blow throughout, Rec. 90' W (chl. 15,000 ppm) IBHP: 1210# FBHP: 1164# IFP: 44-44 FFP: 80-80 TD 4700' Ran E-log ran 107 jts. 10.5# 4 1/2" 4437' set @ 4443' cent. @ 4431-4380-4330-4280-2150 cem control basket @ 2150' insert float @ 4431 common guide shoe @ 4433' cem w/175 sks Halliburton Mixture, plug down @ 9:30 am 1-7-86

| FORMATION TOPS: |             | E-LOG TOPS:   |             |
|-----------------|-------------|---------------|-------------|
| Anhydrite       | 2138 + 684  | Anhydrite     | 2137 + 685  |
| Base Anhydr     | 2166 + 656  | Base Anhydr.  | 2163 + 659  |
| Heebner         | 3966 - 1144 | Oread         | 3898 - 1076 |
| LKC             | 4008 - 1186 | Heebner       | 3965 - 1143 |
| Muncie Creek    | 4192 - 1370 | LKC           | 4007 - 1185 |
| Stark           | 4294 - 1472 | Muncie Cr.    | 4191 - 1369 |
| Hush Puck       | 4337 - 1515 | Stark         | 4293 - 1471 |
| RKC             | 4379 - 1557 | Hush Puckney  | 4336 - 1514 |
| Marmaton        | 4407 - 1585 | BKC           | 4377 - 1555 |
| Pawnee          | 4501 - 1679 | Marmaton      | 4405 - 1583 |
| Ft. Scott       | 4547 - 1725 | Pawnee        | 4500 - 1678 |
| Cherokee        | 4569 - 1747 | Ft. Scott     | 4547 - 1725 |
| Miss LS         | 4637 - 1815 | Cherokee      | 4570 - 1748 |
| Miss Dolomite   | 4657 - 1835 | Miss. LS      | 4641 - 1819 |
| RTD             | 4700 - 1878 | Miss Dolomite | 4653 - 1831 |
|                 |             | LTD           | 4700 - 1878 |

Well log

|           |      |      |
|-----------|------|------|
| Clay Sand | 0    | 1345 |
| Shale     | 1345 | 2138 |
| Anhydrite | 2138 | 2166 |
| Shale     | 2166 | 4336 |
| Lime      | 4336 | 4700 |
| RTD       | 4700 |      |

| 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# 234'       | set @ 293'    | w/180.60       | 40 sks       | 60-40 pos                  |
| production..      | 7.7/8"            | 4.1/2"                    | 10.5# 4437'    | set @ 4443'   | w/175.5 sks    | 2% gel 2% cc | Haliburton Mix.            |

| PERFORATION RECORD |   | Acid, Fracture, Shot, Cement Squeeze Record  |   |
|--------------------|---|--|---|
| Shots Per Foot     | Specify Footage of Each Interval Perforated                   | (Amount and Kind of Material Used)   | Depth                                   |
| 1. hole @          | 4302-4313-4326-4340-4347-4358                                 | 4363. acid/3000. gal. MCA.   | 7.5 bhls per min @ 2100# total load 144 |
| 2. holes @         | 4300-4314... 4324-4327... 4339-4342... 4346-4349... 4358-4364 | acid w/3000 gal. 15% NE. 5. hbl. per min @ 1350# acid w/3000 gal. NE. 15% 5. BPM @ 1400# |   |

|               |             |                 |                 |              |   |
|---------------|-------------|-----------------|-----------------|--------------|---|
| TUBING RECORD | Size 2 3/8" | Set At 4,410.17 | Packer at 4265' | Liner Run NA | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|-------------|-----------------|-----------------|--------------|---|

Date of First Production 1-22-86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

| Estimated Production Per 24 Hours | Oil Bbls | Gas MCF | Water | Gas-Oil Ratio | Gravity |
|-----------------------------------|----------|---------|-------|---------------|---------|
| 75                                |          |         | 90    |               | 32      |

RELEASED  
 MAY 10 1987  
 5-28-87  
 FROM CONFIDENTIAL

METHOD OF COMPLETION  Vented  Open Hole  Perforation  Solid  Other (Specify) .....  Used on Lease  Dually Completed  Commingled  single

Production Interval 4300-4364