

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 # 6033  
name Murfin Drilling Company  
address 250 N. Water, Suite 300  
Wichita, KS 67202  
City/State/Zip

Operator Contact Person Larry M. Jack  
Phone 316-267-3241

Contractor: license # 6033  
name Murfin Drilling Company

Wellsite Geologist Roger Welty  
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  
4/11/85 4/17/85 6/3/85  
Spud Date Date Reached TD Completion Date  
4240' 4201'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 220 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set 2906' feet

If alternate 2 completion, cement circulated  
from 2906' feet depth to surf w/ 390 SX cmt

API NO. 15 - 15-153-20,602 -0000

County Rawlins

C SW Sec 1 Twp 1S Rge 34  East  West

1320 Ft North from Southeast Corner of Section  
3960 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

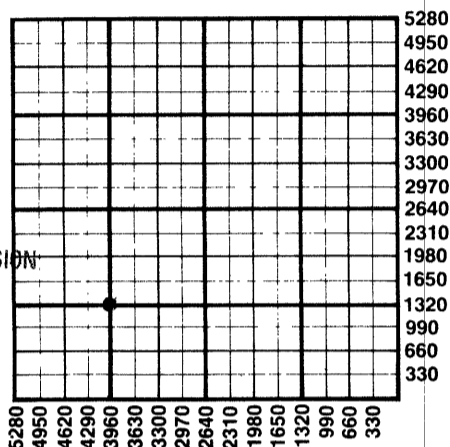
Lease Name Cahoj NE "A" Well# 1-W Inj.

Field Name Cahoj NE

Producing Formation LKC (H, I, J & K)

Elevation: Ground 3033' KB 3038'

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
JUN 05 1985  
CONSERVATION DIVISION  
Wichita, Kansas

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, Wichita, 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 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 By: Larry M. Jack  
Title Manager/Secondary Recovery Date 6/4/85

Subscribed and sworn to before me this 4 day of June 19 85

Notary Public  
Date Commission Expires 2/6/86

KERRAN REDINGTON  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2-6-86

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Form ACO-1  
(This form supercedes previous forms ACO-1 & C-10)

Sec. 1 Twp. 1 Rge. 34

**SIDE TWO**

Operator Name Murfin Drilling Co. Lease Name Cahoj NE A Well# 1-W SEC 1 TWP. 1S RGE. 34  East  West

**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

| Name        | Top   | Bottom |
|-------------|-------|--------|
| Anhydrite   | 2876' |        |
| B/Anhydrite | 2912' |        |
| Topeka      | 3735' |        |
| Oread       | 3840' |        |
| Lansing     | 3929  |        |
| B/KC        | 4196' |        |
| TD          | 4240' |        |

**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"                    | 24#            | 220'          | Pozmix         | 200          | 3%CC                       |
| Prod.             | 7 7/8"            | 5 1/2"                    | 15.5#          | 4235'         | Class A        | 150          | 10% salt, latex            |
|                   |                   |                           |                |               | Class A        | 390          | 2% econolite               |

**PERFORATION RECORD**

**Acid, Fracture, Shot, Cement Squeeze Record**

| shots per foot | specify footage of each interval perforated | (amount and kind of material used) | Depth              |
|----------------|---|------------------------------------|--------------------|
| 4              | 4168-72'                                    | 500 gal.                           | 4168-72'           |
| 4              | 4130-34'                                    | 250 gal.                           | 4098-4100'         |
| 4              | 4098-4100'                                  | 250 gal.                           | 4079 1/2 - 82 1/2' |
| 4              | 4079 1/2 - 82 1/2'                          | 200 gal.                           | all zones          |

**TUBING RECORD**

size 1 1/2" set at 4020' packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing method  flowing  pumping  gas lift  Other (explain) \_\_\_\_\_

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

**METHOD OF COMPLETION**

**PRODUCTION INTERVAL**

Disposition of gas:  vented  open hole  perforation  other (specify) \_\_\_\_\_ .. same as above ..  
 sold  used on lease  Dually Completed.  Commingled