

TYPE

Compt. _____

SIDE ONE

15-165-21114-00-00

(Rules 82-3-130 and 82-3-107)

DOCKET NO. NP _____

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

~~F~~ Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)**Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 5140. EXPIRATION DATE 06-30-84

OPERATOR Frontier Oil Company API NO. 15-165-21,114

ADDRESS 125 N. Market, Ste 1720 COUNTY Rush
Wichita, Ks. 67202 FIELD Ficken Est. 1/8 NW

** CONTACT PERSON Jean Angle PROD. FORMATION Pennsylvania Sand
PHONE (316)-263-1201 Yes Indicate if new pay.

PURCHASER N/A LEASE Koci

ADDRESS _____ WELL NO. #1.

DRILLING Red Tiger Drilling Company WELL LOCATION SE SE SW
CONTRACTOR 125 N. Market, Ste 1720 330 Ft. from South Line and
ADDRESS Wichita, Kansas 67202 330 Ft. from East Line of (E)
the SW (Qtr.) SEC 13 TWP 17S RGE 18W (W)

PLUGGING N/A

CONTRACTOR _____

ADDRESS _____

TOTAL DEPTH 3700' PBTD N/A

SPUD DATE 08-23-83 DATE ~~COMPLETED~~ 7-13-84
9-14-83

ELEV: GR 2069' DF 2071' KB 2074'

WELL PLAT

| | | | |
|--|--|-----|--|
| | | | |
| | | | |
| | | 13. | |
| | | | |
| | | | |

SI *

(Office Use Only)

KCC

KGS

SWD/REP _____

PLG. _____

NGPA _____

DRILLED WITH ~~(OSBE)~~ (ROTARY) ~~(OSBE)~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE N/A

Amount of surface pipe set and cemented 1173.51' DV Tool Used? No.

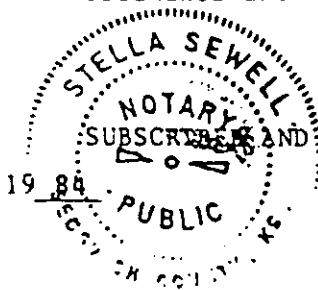
TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, ~~Shut in Gas~~, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion _____. NGPA filing _____

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Jean Angle, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.



Jean Angle
(Name)

SWORN TO BEFORE ME this 4th day of January, 1984.

MY COMMISSION EXPIRES: June 24, 1984

Stella Sewell
(NOTARY PUBLIC) COMMISSION
10-10-1984
OCT 10 1984

** The person who can be reached by phone regarding any questions concerning this information. CONSERVATION DIVISION, Wichita, Kansas

Side TWO
 OPERATOR: Frontier Oil Company LEASE NAME Koci SEC 13 TWP 17S RGE 18W (W)
 WELL NO 1

FILL IN WELL INFORMATION AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Show Geological markers, logs run, or other Descriptive information.

| Formation description, contents, etc. | Top | Bottom | Name | Depth |
|--|-------|--------|------------|--------------|
| <input type="checkbox"/> Check if no Drill Stem Tests Run. <input checked="" type="checkbox"/> Check if samples sent Geological Survey. | | | | |
| Soil-Post Rock-Clay | -0- | 60 | Anhydrite | 1174 (+900) |
| Shale-Sand-Hard Sand | 60 | 585 | Herrington | 1973 (+ 101) |
| Sand | 585 | 834 | Winfield | 2007 (+ 67) |
| Shale | 834 | 1174 | Cottonwood | 2420 (- 346) |
| Anhydrite | 1174 | 1208 | Neva | 2481 (- 407) |
| Shale | 1208 | 1834 | Brownville | 2711 (- 637) |
| Shale & Lime | 1834 | 2662 | Tarkio | 2822 (- 748) |
| Lime | 2662 | 3700 | Howard | 3007 (- 933) |
| RTD | 3700. | | Topeka | 3065 (- 991) |
| | | | Heebner | 3312 (-1238) |
| DST 1 (1958-2120) 60-30-60-30. Rec 1000' | | | Toronto | 3326 (-1252) |
| SW. IF 102-408, FF 459-469, ISI 519, FSI 549. | | | Lansing-KC | 3361 (-1287) |
| | | | Base of KC | 3589 (-1515) |
| DST 2 (2386-2500) 30-30-30-30. Rec 180' | | | Penn. Sand | 3652 (-1578) |
| MSW. IF 102-112. FF 122-142. ISI 709, FSI 679. | | | Granite | 3685 (-1611) |
| | | | RTD | 3700 (-1626) |
| DST 3 (2720-2880) 60-30-30-30. Rec 60'M | | | | |
| IF 91-91. FF 91-91. ISI 549, FSI 549. | | | | |
| DST 4 (3054-3090) 60-30-60-30. Rec 560' | | | | |
| SW. IF 122-214. FF 255-295, ISI 938, FSI 918. | | | | |
| DST 5 (3234-3290) 60-30-60-30. Rec 2150' | | | | |
| SW. IF 306-858, FF 908-1067. ISI 1117. FSI 1146. | | | | |
| (Continued ...) | | | | |
| If additional space is needed use Page 2 | | | | |

Report of all strings set — surface, intermediate, production, etc.

CASING RECORD (New) or (REEL)

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/H. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|---------------|---------------|-------------|-------|----------------------------|
| Surface | 12 1/2" | 8-5/8" | 24 # | 1182' | 60-40 poz | 425 | 2% gel, 3% cc. |
| Production | 7-7/8" | 4 1/2" | 10 1/2 # | 3698' | Common | 275 | 10% Salt. |
| | | | | | | | |
| | | | | | | | |

N/A LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type DPS | Depth interval |
|----------|-------------|--------------|---------------|-----------------|----------------|
| | | | 4 | | 3651-3656 |

N/A TUBING RECORD

| Size | Setting depth | Packer set at |
|------|---------------|---------------|
| | | |

N/A ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Remarks |
|----------------------------------|---------------------------------|
| | 3651-3656 20th Interval treated |
| | |
| | |

| | | |
|--------------------------|---|---------|
| Date of first production | Producing method (flowing, pumping, gas lift, etc.) | Gravity |
| SIG 7-13-84 | Flowing | |

| | | | | |
|-----------------------------|------------|-----|---------|---------------|
| Estimated Production - L.P. | Oil | Gas | Water | Gas-oil ratio |
| N/A bbl. | 7,450. MCF | % | 2. bbl. | N/A cfbbl |

Disposition of gas treated, used on lease or sold) Sold. Perforations 3651-3656'

RECEIVED
 OIL CORPORATION COMMISSION
 OCT 16 1984
 CONSERVATION DIVISION
 Wichita, Kansas

CONFIDENTIAL

ACO-1 WELL HISTORY

PAGE 2 (Side One)
 OPERATOR Frontier Oil Co LEASE NAME Koci
 WELL NO. 1.

FILL IN WELL INFORMATION AS REQUIRED.
 Show all important zones of porosity and contents thereof;
 cored intervals, and all drill-stem tests, including depth
 interval tested, cushion used, time tool open, flowing &
 Shut-in pressures, and recoveries.

(E)
 SEC 13 TWP 17S RGE 18W (W)

Show Geological markers,
 logs run, or Other
 Descriptive information.

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME | DEPTH |
|--|-----|--------|------|-------|
| DST 6 (3310-3398) 60-30-60-30. Rec 240'M IF 153-173, FF 173-173. ISI 1107. FSI 1087. | | | | |
| DST 7(3536-3610) Misssrun. | | | | |
| DST 8 (3520-3610) Misssrun. | | | | |
| DST 9 (3488-3610) 60-30-60-30) Rec 360'MW, 1020' SW. IF 85-439. FF 493-632. ISI 1177. FSI 1166. | | | | |
| DST 10 (3586-3655) 60-30-60-30. Rec 180'M GTS 1". 55" = 3,871,000 cfgpd. IF 568-696, FF 643-707, ISI 1059. FSI 1049. | | | | |

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 STATE CORPORATION COMMISS
 OCT 16 1984
 CONSERVATION DIVISION
 Wichita, Kansas