FORM MUST BE TYPED

SIDE ONE

COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5146

Name: Rains & Williamson Oil Co.,Inc.

Address P. O. Box 1645

City/State/Zip Great Bend, Kansas 67530

Purchaser:

Operator Contact Person: A. D. Belt

Phone (316) 793 - 6656

Contractor: Name: Express Well Service

License: Victoria, Kansas

Wellsite Geologist: None

Designate Type of Completion
___ New Well __X__ Re-Entry ___ Workover

__X__ Oil ___ SWD ___ SIOW ___ Temp. Abd.
___ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc).

If Workover:

Operator: Rains & Williamson Oil Co.

Well Name: Shaffer #1

Comp. Date 4-25-83 Old Total Depth 3340

___ Deepening ___ Re-perf. ___ Conv. to Inj/SWD
___ Plug Back ___ PBTD
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Inj?) Docket No.

11-9-98 11-18-98 12-4-98
Date of Re-Entry Date Reached TD Completion Date

API NO. 15- 167 - 22078000 2

County RUSSELL

E/2 NE SE Sec. 31 Twp. 13S Rge. 12 X W

1980 Feet from (S) N (circle one) Line of Section

330 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name SHAFFER Well # 1

Field Name Bunker Hill

Producing Formation Lansing

Elevation: Ground 1826 KB

Total Depth 3295 PBTD 3295

Amount of Surface Pipe Set and Cemented at 248 Feet

Multiple Stage Cementing Collar Used? X Yes ___ No

If yes, show depth set 767 Feet

If Alternate II completion, cement circulated from 767

feet depth to surface w/ 150 sx cmt.

Drilling Fluid Management Plan Re-Entry, 4-28-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 ths). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS T BE ATTACHED. 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

Title General Sup't. Date 4-9-99

Subscribed and sworn to before me this 9 day of April, 19 99.

Notary Public Howard D. Ewert

Date Commission Expires 5-17-99

NOTARY PUBLIC - State of Kansas
HOWARD D. EWERT
My Appt. Exp. 5-17-99

K.C.C. OFFICE USE ONLY
F ___ Letter of Confidentiality Attached
C ___ Wireline Log Received
C ___ Geologist Report Received

Distribution
✓ KCC ___ SWD/Rep ✓ NGPA
___ KGS ___ Plug ✓ Other (Specify)
IS

RECEIVED
STATE CORPORATION COMMISSION
APR 13 1999
CONSERVATION DIVISION

Form ACO-1 (7-91)

SIDE TWO

Operator Name Rains & Williamson Oil Co.,Inc. Lease Name SHAFFER Well # 1

Sec. 31 Twp. 13S Rge. 12 ☐ East ☒ West County RUSSELL

**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 (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☐ Yes ☒ No

List All E.Logs Run:

☐ Log **Formation (Top), Depth and Datums** ☐ Sample

| Name | Top | Datum |
|---|---|---|
| | | |

**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" | 23 # | 248 | 50/50 Poz. | 160 | 3% c.c. 2% gel |
| Production | 7 7/8" | 4 1/2" | 10.5 # | 3339 | ASC | 150 | " |
| | | | | | | | |

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

| Purpose: | Depth Top | Depth Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|
| ___ Perforate | | | | | |
| ___ Protect Casing | | | | | |
| ___ Plug Back TD | | | | | |
| ___ Plug Off Zone | | | | | |

| Shots Per Foot | **PERFORATION RECORD** - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | **Acid, Fracture, Shot, Cement Squeeze Record** (Amount and Kind of Material Used) | Depth |
|---|---|---|---|
| 3 | 2974 - 2982 | 1500 Gal. 15% NE | |
| 3 | 3060 - 3070 | | |
| 3 | 3000 - 3010 | 2000 Gal. 15% NE | |
| | | | |

| **TUBING RECORD** | Size | Set At | Packer At | Liner Run |
|---|---|---|---|---|
| | 2 3/8" OD | 3019 | | ☐ Yes ☒ No |

Date of First, Resumed Production, SWD or Inj. 12-4-98 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | -0- | | 134 BPD | | |

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify)