SIDE ONE

31-7-22W

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

API NO. 15-065-22,319

County Graham

S/2 N/2 SE Sec. 31 Twp. 7S Rge. 22 __ East X West

1650 Ft North from Southeast Corner of Section
1320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Worcester Well # 1

Field Name

Producing Formation

Elevation: Ground 2210 KB 2215

Operator: License # 5422
Name Abercrombie Drilling, Inc.
Address 801 Union Center
City/State/Zip Wichita, KS 67202

Purchaser

Operator Contact Person Jack Partridge
Phone (316) 262-1841

Contractor: License # 5422
Name Same

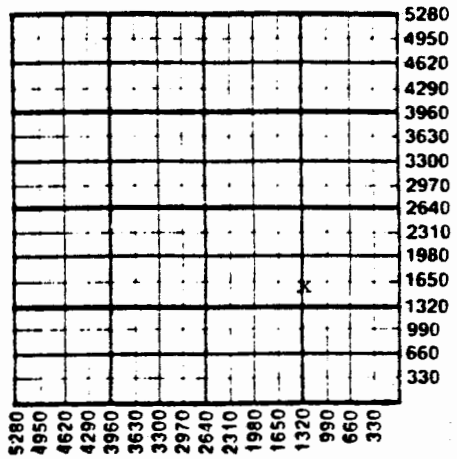
Wellsite Geologist Mark Galyon
Phone (316) 262-1841

Designate Type of Completion
X New Well __ Re-Entry __ Workover

__ Oil __ SWD __ Temp Abd
__ Gas __ Inj __ Delayed Comp.
X Dry __ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

Section Plat




WELL HISTORY

Drilling Method:
X Mud Rotary __ Air Rotary __ Cable

| 8-22-86 | 8-28-86 | 8-28-86 |
|---|---|---|
| Spud Date | Date Reached TD | Completion Date |
| 3730' | | |
| Total Depth | PBTD | |

Amount of Surface Pipe Set and Cemented at 289 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
Cement Company Name
Invoice #

WATER SUPPLY INFORMATION

Disposition of Produced Water: __ Disposal
Docket # __ Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

__ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge __ East __ West

X Surface Water 330 Ft North from Southeast Corner
(Stream, pond etc.) 330 Ft West from Southeast Corner
Sec 14 Twp 8S Rge 23 __ East X West

X Other (explain) Purchased from Frank Gansel
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

WCC-P-16

SIDE TWO

Operator Name ..... Abercrombie Drilling, Inc. ..... Lease Name..Worcester.....Well #..1.....

Sec..31..... Twp...7S..... Rge..22..... ☐ East ☒ West County...Graham.....

## 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

DST #1 (3490' - 3512'), 30-45-30-45
IFP 137-137#, FFP 127-137#
ISIP 1052#, FSIP 1031#
Rec. 70' of mud

DST #2 (3538' - 3552') 30-45-60-45
IFP 116-116#, FFP 127-158#
ISIP 947#, FSIP 895#
Rec. 210' water w/few oil spots

DST #3 (3611' - 3627'), 30-45-30-45
IFP 105-105#, FFP 84-105#
ISIP 105, FSIP 105#
Rec. 5' mud, no show

DST #4 (3622' - 3657', 30-45-30-45
IFP 95-95#, FFP 74-95#
ISIP 686, FSIP 571#
Rec. 10' slight oil spotted mud

Formation Description
☒ Log ☐ Sample

| Name | Top | Bottom |
|---|---|---|
| Anhydrite | 1855' | + 363 |
| Base Anhydrite | 1885' | + 333 |
| Heebner | 3432' | -1214 |
| Toronto | 3457' | -1239 |
| Lansing | 3472' | -1254 |
| Base Kansas City | 3674' | -1456 |

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" | 20# | 289' | Common | 185 | 3% c.c. 2% gel |

PERFORATION RECORD

| Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production | Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....