

7-6-1988

SIDE ONE

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 # 5205
Name Mid-Continent Energy Corp. &
Crosswind Petroleum, Inc.
Address 155 N. Market #200 Wichita, KS
City/State/Zip 67202

Purchaser

Operator Contact Person Brad Buheler
Phone (316)-2620561

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Tom Williams
Phone (316)-262-4132

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
3/8/88 3/15/88 3-15-88
Spud Date Date Reached TD Completion Date
3656'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 216 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 #

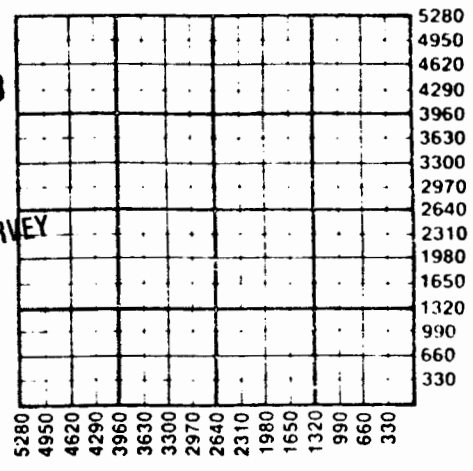
API NO. 15-163-22-985
County Rooks
C. NE SE NW Sec. 7 Twp. 6S Rge. 19 East
3630 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Brobst Well # 1
Field Name WC
Producing Formation
Elevation: Ground 2096' KB 2101'

Section Plat

JUL 01 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH



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
 Surface Water 3640 Ft North from Southeast Corner
(Stream, pond etc.) 2970 Ft West from Southeast Corner
Sec 7 Twp 6S Rge 19 East West
 Other (explain)
(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.

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 Thomas M. Williams
Title Petroleum Geologist Date 6-29-88

Subscribed and sworn to before me this day of
19
Notary Public Gayle Nye
Date Commission Expires

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)

GAYLE NYE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-19-88

Sec 7, Twp 6S, Rge 19W

Operator Name Mid Continent Energy Corporation Lease Name Brobst Well # 1
 & Crosswind Petroleum, Inc.

Sec. 7 Twp. 6S Rge. 19 East West County Rooks

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

DST #1 3313-3347 IHP - 1767#
 30"-30"-30"-30" IFP - 58# - 58#
 ISIP - 368#
 FFP - 58# - 58#
 FSIP - 319#
 FHP - 1757#
 Rec: 10' Mud

| Name | Top | Bottom |
|--------------|------|-------------------|
| Anhydrite | 1684 | +417 |
| Base/Anhy. | 1712 | +389 |
| Topeka | 3082 | -981 |
| Oread | 3237 | -1136 |
| Heebner | 3280 | -1179 |
| Toronto | 3308 | -1207 |
| Lans./K.C. | 3322 | -1221 |
| Stark | 3496 | -1395 |
| Gorham Lm. | 3563 | -1462 |
| Arbuckle | 3573 | -1472 |
| Regan Sd. | 3589 | -1488 |
| Granite Wash | 3623 | -1522 |
| Granite | 3651 | -1550(Sample Top) |

DST #2 3569-3585 IHP - 1981#
 30"-45"-60"-60" IFP - 39# - 39#
 ISIP - 174#
 FFP - 39# - 39#
 FSIP - 145#
 FHP - 1961#
 Rec: 35' SOCM (3% Oil)

DST #3 3569-3593 IHP - 1990# FSIP-1252#
 30"-45"-30"-60" IFP - 666# - 1019# FHP-1961#
 ISIP - 1252# Rec: 2500'
 FFP - 1058# - 1252# MSW w/ trace Oil top stand BHT-126 Deg.

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 | | 8 5/8 | 24# | 216 | | 150 | |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Date of First Production | | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... | | | | | |
| Estimated Production Per 24 Hours | Oil | Gas | Water | Gas-Oil Ratio | Gravity | | |
| | Bbl's | MCF | Bbl's | CFPB | | | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled