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. 15-163-22,952 -00 - 00

Operator: License # 6033
Name: Muffin Drilling Company
Address: 250 N. Water
Suite 300
City/State/Zip: Wichita, KS 67202

Clear Creek, Inc.
Operator Contact Person: Roger Welty
Phone: 913-674-8835

Contractor: License # 6033
Name: Muffin Drilling Company

Operator: License # 6033
Name: Muffin Drilling Company

Wellsite Geologist: Roger Welty
Phone: 913-674-8835

Designate Type of Completion
Y New Well
Re-Entry
Workover

Y Oil
MD
Temp Abd

Gas
Inj
Delayed Comp.
Dry
Other (Core, Water Supply etc.)

X If OMNO: old well Info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY
Drilling Method
X Mud Rotary
Air Rotary
Cable

10-2-87
10-9-87
11-14-87
Spud Date
Date Reached TD
Completion Date

3460'
3418'
3418'
#3DP over ARB
8-5/8" @ 1379'

Total Depth
PBDT

Amount of Surface Pipe Set and Cemented at feed
Multiple Stage Cementing Collar Used
Yes X No
If yes, show depth set.
If alternate 2 completion, cement circulated from feed depth to:
cement Company Name
Invoice #

WATER SUPPLY INFORMATION
Disposition of Produced Water:
Disposal

 questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-5717
Division of Water Resources Permit

Groundwater... Ft North from Southeast Corner
(Mile)
Surface Water... Ft West from Southeast Corner
(Stream, pond etc.)

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 OP-4 form with all plugged wells. Submit OP-11 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: Larry M. Jack
Date: 11/23/87

Subscribed and sworn to before me this 23 day of
Nov 1987.
Notary Public

KERRAN REDINGTON
Kerran Redington
Date Commission Expires: 7/6/90

KERRAN REDINGTON
Kerran Redington
Notary Public
STATE OF KANSAS
My App. Exp. at 6-90

KCCC. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received
Drillers Time Log Received
Distribution

KCC Smo/Wep
KGS Plug
NSPA
Other

11-29-87

Form ACO-1 (5-86)
### WELL LOG

**Drill Stem Tests Taken**
- DST #1: 2987-3035 (Dread)
- DST #2: 3229-3241 (I-zone)
- DST #3: 3250-3270 (J zone)
- DST #4: 3361-3385 (Arbuckle)

**Formation Description**
- LOG TOPS:
  - TOPEKA: 2840 (-946)
  - HEBBERN: 3045 (-1161)
  - TORONTO: 3068 (-1174)
  - LANSING: 3082 (-1188)
  - BKC: 3307 (-1413)
  - WEATHERED ARB: 3351 (-1457)
  - CLEAN ARB: 3358 (-1464)

**Casing Record**
- New: Yes
- Used: No
- Size of String Drilled: 7 7/8"
- Size Casing Set: 4 5/8"
- Weight Lbs/FT: 10.59
- Setting Depth: 3459' Class A
- Cement: 200 lb salt. 37/4% CFP-2

**Perforation Record**
- Shots Per Foot: 4
- Specify Footage of Each Interval Perforated: 3361-63'

**Tubing String**
- Set At: 3260'
- Packer at: 3260'

**Date of First Production**
- 11/87

**Producing Method**
- Flowing

**Estimated Production Per 24 Hours**
- Oil: 8 Bbls
- Gas: 100 MCF

**Disposition of gas**
- Vented: Yes
- Sold: Yes
- Used on Lease: No

**Method of Completion**
- Production Interval: 3371-72', 3371-74'

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**FROM CONFIDENTIAL**

**Drill Stem Tests Taken**
- Samples Sent to Geological Survey: Yes
- Cores Taken: Yes

**Formation Description**
- Name: Log Top
- Top: 2840 (-946)
- Bottom: 3358 (-1464)

**Casing Record**
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