

STATE OF KANSAS
 STATE CORPORATION COMMISSION
 130 S. Market, Room 2078
 Wichita, KS 67202

WELL PLUGGING RECORD
 K.A.R.-82-3-117

API NUMBER 15-14-163-20,927-0000

LEASE NAME Howatt Howatt KCC TAP

WELL NUMBER 3

 Ft. from S Section Line

 Ft. from E Section Line

SEC. 2 TWP. 9S RGE. 17 (E) (W)

COUNTY Rooks

Date Well Completed

Plugging Commenced 4-25-96

Plugging Completed 4-26-96

TYPE OR PRINT
 NOTICE: Fill out completely
 and return to Cons. Div.
 office within 30 days.

LEASE OPERATOR Graham - Michaelis Corporation

ADDRESS P.O. Box 247 Wichita, Ks. 67201

PHONE#(316) 264-8394 OPERATORS LICENSE NO. 5134

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on (date)

by Herb Deines (KCC District Agent's Name).

Is ACO-1 filed? If not, is well log attached?

Producing Formation Depth to Top Bottom T.O. 3447'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS | CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8 5/8"	243'	none
				4 1/2"	3443'	1718'

1996 MAY 3
 KANSAS
 RECEIVED
 5/3/96

Describe in detail the manner in which the well was plugged, indicating where the mud-fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugging materials were used, state the character of same and depth placed, from feet to feet each sack. Plugged off bottom with sand to 2301 and 4 sacks cement. Shot well at 1906' and 1726' pumped 80 sacks cement, 200# hulls, pulled to 1300' pumped 30 sacks cement, 200# hulls, pulled to 750' pumped 30 sacks cement, 100# hulls, pulled to 75' circulated to surface with 25 sacks cement and topped off. (60/40 POZMIX 10% gel) Plugging complete.

Name of Plugging Contractor Mike's Testing & Salvage, Inc. License No. 31529

Address P.O. Box 209 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Graham-Michaelis Corp. Wichita, Ks.

STATE OF Kansas COUNTY OF Rice, ss.

Mike Kelso (Employee of Operator) or (Operator) above-described well, being first duly sworn on oath, says: That I have knowledge of the facts and statements, and matters herein contained and the log of the above-described well as filed to the same are true and correct, so help me God.

(Signature) *Mike Kelso*

(Address) P.O. Box 209 Chase, Kansas 67524

SUBSCRIBED AND SWORN TO before me this 2nd day of May, 19 96

Jane Terzberg
 Notary Public

My Commission Expires:



DREILING OIL, INC.

Victoria, Kansas 67671

15-163-20927-00-00
WELL LOG

Company Sierra Petroleum, Inc.
211 N. Broadway
Wichita, Ks 67202
Farm ~~Howatt-Howatt~~ ^{KCC} ~~ZM~~ No. 3
Total Depth 3,447'
Comm. 6-30-79 Comp. 7-6-79
Contractor Dreiling Oil, Inc.
Rt. 1
Victoria, KS 67671

Sec. 2 Twp. 9 Rng. 17
Location 490' FEL - 1650'
FSL of SE/4
County Rooks
Elevation: 2010 K. B.
2007 D. F.
2005 G. R.

Casing Record
243' - 8 5/8"
3,446' - 4 1/2"

Cement Record
175 sacks cement
cemented w/100 sacks
common

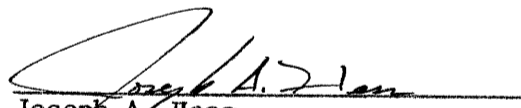
Production:

Figures Indicate Bottom of Formations

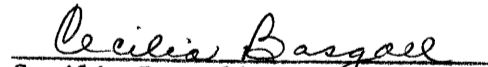
0'	80'	Post Rock
80'	248'	Blue Shale
248'	1010'	Shale
1010'	1270'	Red Bed
1270'	1307'	Anhydrite
1307'	2115'	Shale
2115'	2365'	Lime & Shale
2365'	2795'	Shale
2795'	3065'	Shale & Lime
3065'	3167'	Lime & Shale
3167'	3447'	Lime
3447'	T.D.	

STATE OF KANSAS)
)ss
COUNTY OF ELLIS)

I, Joseph A. Hess, Secretary Treasurer of Dreiling Oil, Inc., upon oath states that the above and foregoing is a true and correct copy from the Daily Drilling Report from the Howatt #3.


Joseph A. Hess

Subscribed and sworn to before me this 10th day of July, 1979.


Cecilia Basgall Notary Public

My appointment expires: November, 17, 1980.

CECILIA BASGALL
NOTARY PUBLIC
Ellis County, Kansas