

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

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

API NUMBER 15-007-22,331-00-00

LEASE NAME M. Harbaugh

WELL NUMBER #1

1350 Ft. from S Section Line

3200 Ft. from E Section Line

SEC. 14 TWP. 33S RGE. 12 (X) or (W)

COUNTY Barber

Date Well Completed 10/13/90

Plugging Commenced 10/13/90

Plugging Completed 10/13/90

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

R.J. Sullivan d/b/a

LEASE OPERATOR Sullivan and Company

ADDRESS 320 South Boston - Suite 1700  
Tulsa, Oklahoma 74103

PHONE# (918) 584-4288 OPERATORS LICENSE NO. 3384

Character of Well D & A

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

The plugging proposal was approved on October 13, 1990 (date)

by Steve Durrant (KCC District Agent's Name).

to be filed  
Is ACO-1 filed? by Operator If not, Is well log attached? Yes

Producing Formation \_\_\_\_\_ Depth to Top \_\_\_\_\_ Bottom \_\_\_\_\_ T.D. 3897'

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

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation Surface	Content	From 0	To 313'	Size 8-4/8"	Put In 313'	Pulled out 0

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 plugs were used, state the character of same and depth placed, from \_\_\_ feet to \_\_\_ feet each set.

50 sx at 690', 50 sx at 330', 10 sx 40' to surface, 15 sx in Rathole, 10 sx in Mousehole.

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor DUKE DRILLING CO., INC. License No. 5929

Address 310 West Central - Suite 117, Wichita, Kansas 67202

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Sullivan and Company

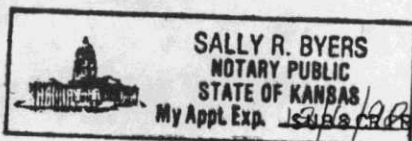
STATE OF KANSAS COUNTY OF SEDGWICK, ss.

James B. Phillips

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

(Signature) James B. Phillips

(Address) 310 West Central - Suite 117  
Wichita, Kansas 67202



My Appl. Exp. 12/6/92 SUBSCRIBED AND SWORN TO before me this 31st day of October, 1990

Sally R. Byers  
Notary Public

My Commission Expires: December 6, 1992

DRILLER'S WELL LOG

M. HARBAUGH #1  
C-E/2 SW  
Section 14-33S-12W  
Barber County, Kansas

SULLIVAN AND COMPANY

COMMENCED: October 6, 1990  
COMPLETED: October 13, 1990

ELEVATIONS: 1439' Gr. 1447' KB

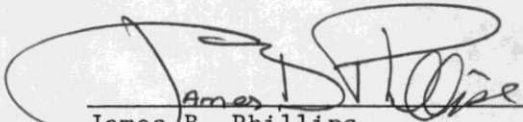
0' - 316' Surface Soil  
316' - 980' Shale  
980' - 1935' Shale  
1935' - 2335' Shale & Lime  
2335' - 2940' Lime & Shale  
2940' - 3405' Shale & Lime  
3405' - 3897' Shale & Lime  
3897' Total Depth

SURFACE CASING: Set 7 jts. 8-5/8"  
23# at 313 feet. Cemented with  
205 sacks Common, 2% gel, 3% cc.

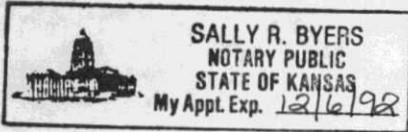
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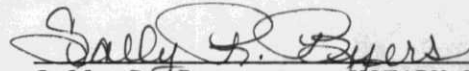
STATE OF KANSAS     )  
                              ) ss:  
COUNTY OF SEDGWICK )

James B. Phillips, of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

  
James B. Phillips

Subscribed and sworn to me this 31st day of October, 1990.



  
Sally R. Byers     NOTARY PUBLIC

My Commission Expires: December 6, 1992.

RECEIVED  
STATE CORPORATION COMMISSION

NOV 5 1990

CONSERVATION DIVISION  
Wichita, Kansas