

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

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

API NUMBER NA 15-05106694-00-00

LEASE NAME FROELICH

WELL NUMBER A-2

1980 Ft. from S Section Line

1650 Ft. from E Section Line

SEC. 4 TWP. 13 RGE. 16 ~~08~~ or (W)

COUNTY ELLIS

Date Well Completed 3-16-41

Plugging Commenced 8-17-87

Plugging Completed 8-19-87

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

LEASE OPERATOR Hillenburg Oil Co.

ADDRESS 11600 S. Lynn Lane Road
Broken Arrow, OK 74011

PHONE#(918) 455-4444 OPERATORS' LICENSE NO. 5375

Character of Well Oil

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

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? Dist. 6 - Hays, Kansas

Is ACO-1 filed? No If not, is well log attached? Log attached to CP-1

Producing Formation K.C. Depth to Top 3240 Bottom 3247 T.D. 3248

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
				10"	110'	None
				7"	3239'	None

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.

Ran tubing to 2800'-Mixed 190sks cement w/hulls down tbq. Cement circulated to top. Pulled tubing to 1000'. Mixed 20 sks. cement to circ. Pull tubing. Hook up to 7" and squeezed w/15 sks. Pump 145 sks cement down annulus @ 200 PSI. Shut in - pressure to 100 PSI

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

Name of Plugging Contractor Zigler Servicing, Inc. License No. 6623

Address Box 873, Russell, KS 67665

STATE OF OKLAHOMA COUNTY OF TULSA, ss.

Harold A. Hillenburg, Jr. (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) Harold A. Hillenburg Jr

(Address) 11600 S. Lynn Lane Rd.
Broken Arrow, OK 74011

SUBSCRIBED AND SWORN TO before me this 25th day of September, 19 87

Gaynell Sherman COMMISSION
Notary Public

My Commission Expires: July 27, 1988

SEP 30 1987
09-30-87
Form CP-4
CONSERVATION DIVISION
Wichita, Kansas
Revised 08-84

LANE RADIOACTIVITY LOG WELLS

COMPANY S.O. 70870

FILE NO.

Location of Well CE 1/2 NW SE 4-13-16W	COMPANY: COOPERATIVE REFINERY ASSN.	COUNTY: ELLIS STATE: KANSAS	WELL: FROELICH "A" NO. 2	FIELD: FROELICH	LOCATION: CE 1/2 NW SE SEC. 4 - 13S - 16W
	WELL: FROELICH "A" NO. 2				

LOG MEAS. FROM	RIG FLOOR	ELEV. 1994
DRLG. MEAS. FROM		ELEV.
PERM. DATUM	1' ABOVE GROUND LEVEL	ELEV. 1994

	GAMMA RAY	NEUTRON
TYPE OF LOG	1 OW	1 ON
RUN NO.	3-26-54	3-26-54
DATE	3488	3488
TOTAL DEPTH (DRILLER)	3488	3488
EFFECTIVE DEPTH (DRILLER)	SURF.	SURF.
TOP OF LOGGED INTERVAL	3482	3463
BOTTOM OF LOGGED INTERVAL	WATER	WATER
TYPE OF FLUID IN HOLE		3425
FLUID LEVEL		
MAXIMUM RECORDED TEMP		600N
NEUTRON SOURCE STRENGTH & TYPE		8.25
SOURCE SPACING — IN.	36	9
LENGTH OF MEASURING DEVICE — IN.	3 5/8	3 5/8
O.D. OF INSTRUMENT — IN.	5	4
TIME CONSTANT — SECONDS.	25-50	25-50
LOGGING SPEED FT. MIN.		
STATISTICAL VARIATION — IN.	274	275
SENSITIVITY REFERENCE	MARGHEIM	MARGHEIM
RECORDED BY	HAMLIN	HAMLIN
WITNESSED BY		

CASING RECORD				FROM R A LOG	
RUN NO.	BIT SIZE	CASING WT.—LB.	FROM SURF.	TO SURF.	TO
	7	23	TO 3275	TO 3240	
	5 1/2	14	TO 3192	TO 3466	TO 3465 1/2
			TO	TO	
			TO	TO	