

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

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

API NUMBER 15-207-23,080 -0000

LEASE NAME Liebau

WELL NUMBER 4

425 Ft. from S Section Line

4,620 Ft. from E Section Line

SEC. 13 TWP. 25 RGE. 13 (E) or ~~XXX~~

COUNTY Woodson

Date Well Completed 12-11-81

Plugging Commenced 7-23-90

Plugging Completed 7-23-90

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

LEASE OPERATOR Bird & Hanley

ADDRESS Route # 1, Box 82, Toronto, Kansas 66777

PHONE#(316) 637-2340 OPERATORS LICENSE NO. 5596

Character of Well Input

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

The plugging proposal was approved on 7-19-90

by Andy Reed, Chanute, Kansas (KCC District Agent's Name).

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

Producing Formation Bartlesville Depth to Top 1,373' Bottom 1,434' T.D. 1,475'

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
				7"	50' 7"	None
				4 1/2"	1,457'	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.
Pumped 75 sax Portland and 4 sax gel from total depth to surface.

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

Name of Plugging Contractor Bird & Hanley

License No. 5596

Address Route # 1, Box 82, Toronto, Kansas 66777

STATE CORPORATION COMMISSION

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Bird & Hanley

STATE OF Kansas COUNTY OF Woodson, ss.

T. E. Bird

AUG 3 1990

8-3-90
CONSERVATION DIVISION
Wichita, Kansas

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.

Robert F. Hays
NOTARY PUBLIC
State of Kansas
My Appointment Expires 6-23-91

(Signature) R.E. Bird

(Address) Rt. #1, Box 82, Toronto, KS. 66777

SUBSCRIBED AND SWORN TO before me this 1st day of August, 19 90

My Commission Expires: 6-23-91

Notary Public

Louis McClain, President
Dean Michael, Vice-President

Iola, Kansas
Telephone: 316-365-6013



Alco Drilling Co., Inc.

ROTARY DRILLING CONTRACTORS
Plugging, Work-Over & Fishing Service

RURAL ROUTE 3
IOLA, KANSAS 66749

Well log
Liebau No. 4
Woodson County Kansas

0	3	Soil
3	4 $\frac{1}{2}$	Sand stone
4 $\frac{1}{2}$	8	Lime
8	17 $\frac{1}{2}$	Clay
17 $\frac{1}{2}$	22	Lime with shale streaks
22	30	Shale with lime streaks
30	35	Sand with lime streaks
35	41	Shale with lime streaks
41	81	Sand
81	163	Shale with lime breaks
163	338	Sandy shale with shale
338	463	Lime
463	598	Shale
598	624	Lime
624	643	Shale
643	683	Lime with shale streaks
683	701	Shale
701	718	Sandy lime
718	790	Lime with shale breaks
790	977	Shale with lime breaks
977	988	Lime
988	1047	Shale with lime streaks
1047	1051	Lime
1051	1056	Shale
1056	1059	Lime
1059	1134	Lime with shale breaks
1134	1335	Shale with sandy shale
1335	1338	Shale
1338	1373	Sandy shale
1373	1379	Sand
1379	1391	Shale
1391	1409	Sand
1409	1432	Shale
1432	1435	Sand
1435	1475	Shale

STATE CORPORATION

AUG - 3 1990

CONSERVATION DIVISION
Wichita, Kansas