WELL PLUGGING RECORD

Cheyenne County, Sec. 32 Twp. 4 Rge. 41 W/N
Location as NE/NE/NE/NE or footage from lines 1320’ N2L, 1320’ N2W
Lease Owner Kansas-Nebraska Natural Gas Co., Inc.
Lease Name Harkins Well No. 1-32
Office Address P. O. Box 15265 Lakewood, Colorado 80215
Character of Well (Completed as Oil, Gas or Dry Hole) Dry Hole
Date Well completed August 2 1977
Application for plugging filed August 2 (verbal) 1977
Application for plugging approved August 2 (verbal) 1977
Plugging commenced August 2 1977
Plugging completed August 2 1977
Reason for abandonment of well or producing formation
Dry Hole
If a producing well is abandoned, date of last production
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well
Producing formation Niobrara Depth to top 1278’ Bottom 10 Total Depth of Well 1511
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>CONTENT</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE</th>
<th>PUT IN</th>
<th>PULLED OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ogallala</td>
<td>Fresh Wtr Surf 83’ 8-5/8</td>
<td>169</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 for each plug set.

Plugged well w/40 sx 50-50 Poz cmt 1385-1511’. 20 sx @ btm of surf csg (169’), 20 sx @ top of surf cas (GL)

RECEIVED
STATE CORPORATION COMMISSION
08 22 1977
AUG 22 1977

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

Name of Plugging Contractor Halliburton

STATE OF Colorado COUNTY OF Jefferson ss.
Don Erickson (employee of owner) or (owner or operator) of the 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 and that the same are true and correct. So help me God.

(Signature) Don Erickson

My commission expires June 23, 1979

SUBSCRIBED AND SWORN TO before me this 16th day of August, 1977.

Viola K. Gourdin Notary Public.
KANSAS DRILLERS LOG

API No. 15 — 023 — 20,041 — 10 — 0
County Number

Operator
Kansas-Nebraska Natural Gas Company, Inc.

Address
PO Box 15262 Lakewood, Colorado 80215

Well No.
#1-32

Footage Location
1320 feet from (N) (W) line

Principal Contractor
Exeter Drilling

Spud Date
8-2-77

Date Completed
8-2-77

Loc. 1320' FNL, 1320' FWL

Locate well correctly

Elev.: Gr. 3464

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of string</th>
<th>Size hole drilled</th>
<th>Size casing set in (G.D.)</th>
<th>Weight lbs./ft.</th>
<th>Setting depth</th>
<th>Type cement</th>
<th>Sacks</th>
<th>Type and percent additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12½</td>
<td>8-5/8</td>
<td>24</td>
<td>169</td>
<td>50-50 Poz</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

LINER RECORD

Top, ft. Bottom, ft. Sacks cement

PERFORATION RECORD

Shots per ft. Size & type Depth interval

TUBING RECORD

Size Setting depth Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used Depth interval treated

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4130 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 S. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.
### WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time test open, flowing and shut-in pressures, and recoveries.

<table>
<thead>
<tr>
<th>FORMATION DESCRIPTION, CONTENTS, ETC.</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>NAME</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niobrara Chalk</td>
<td>1278'</td>
<td>not drilled</td>
<td>Ardmore Bentonite</td>
<td>1222'</td>
</tr>
</tbody>
</table>

no tests or cores.
Ran DIL & CNL-FDC-GR

Use additional sheets, if necessary, to complete well record.

Date Received

[Signature]

Geologist

Title

August 8, 1977