

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

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

API NUMBER 15-145-21,127-0000

LEASE NAME Armstrong

TYPE OR PRINT

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

WELL NUMBER 1

330 Ft. from S Section Line

1650 Ft. from E Section Line

SEC. 7 TWP. 22S RGE. 15W (E) or (W)

COUNTY Pawnee

LEASE OPERATOR NATIONAL DEVELOPMENT COMPANY

ADDRESS 310 W. Central - Suite 117, Wichita, Ks. 67202

PHONE# (316) 267-1331 OPERATORS LICENSE NO. 5114

Character of Well Gas

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

Date Well Completed \_\_\_\_\_

Plugging Commenced 8/21/90

Plugging Completed 8/21/90

The plugging proposal was approved on \_\_\_\_\_ (date)

by \_\_\_\_\_ (KCC District Agent's Name).

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

Producing Formation Viola Depth to Top \_\_\_\_\_ Bottom \_\_\_\_\_ T.D. 4000'

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
	Surface	0	1026	8-5/8"	1026'	0
	Production	0	3998	4-1/2"	3998'	2061'

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.  
Plug w/25 sx at 3750'. Pulled 2061' of casing and plugged with 150 sx cement--  
500# Max, 100# shut-in.

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

Name of Plugging Contractor Lyons Well Service License No. \_\_\_\_\_

Address 1103 S. St. John, Lyons, Kansas 67554

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: NATIONAL DEVELOPMENT COMPANY

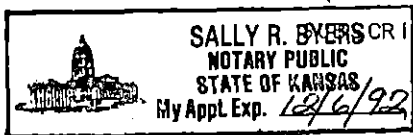
STATE OF KANSAS COUNTY OF SEDGWICK, ss.

Ralph R. Hamilton

(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) Ralph R. Hamilton

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



SCRIBED AND SWORN TO before me this 5th day of December, 19 90

Sally R. Byers  
Notary Public

My Commission Expires: December 6, 1992

DRILLER'S WELL LOG

DATE COMMENCED: April 25, 1984  
 DATE COMPLETED: May 2, 1984

National Development Co.  
 ARMSTRONG #1  
 SE SW SE  
 Sec. 7, T22S, R15W  
 Pawnee County, Ks.

ELEVATION: 1994 K.B.

0 - 409' Surface Soil, Shale, Red Bed  
 409 - 510' Dakota Sand  
 510 - 3176' Shale, Red Bed  
 3176 - 3413' Lime  
 3413 - 3417' Shale  
 3417 - 3434' Lime & Shale  
 3434 - 3454' Lime  
 3454 - 3525' Shale  
 3525 - 3536' Lime & Shale  
 3536 - 3888' Lime  
 3888 - 3930' Chert  
 3930 - 3952' Sand  
 3952 - 4000' Dolomite  
 4000' RTD

FORMATION DATA

Dakota Sand	409'
Topeka	3176'
Heebner	3413'
Toronto	3434'
Douglas	3454'
Br. Lime	3525'
Lansing K.C.	3526'
Viola	3888'
Simpson Sand	3930'
Arbuckle	3952'
RTD	4000'

Surface Pipe: Set used 3-5/8"  
 28# pipe @1026' w/425 sacks  
 60/40 pozmix 2% gel 3% cc.

Production Pipe: Set used 4 1/2"  
 10 1/2# @ 3998' w/50 sacks reg.  
 pozmix 18% salt sat. 3/4 of 1%  
 CFR2 and 100 sacks reg. pozmix  
 18% salt Sat. 5# Gilsonite per  
 sack 3/4 1% CFR2.

## A F F I D A V I T

STATE OF KANSAS  
 COUNTY OF BARTON) ss

Bill Draney of lawful age, does swear and state that the facts and statements  
 here in are true and correct to the best of his knowledge.

Bill Draney

Subscribed and sworn to before me this 9<sup>th</sup> day of May 1984.

My Comm. Expires:

4-29-86

Deborah M Hague  
 Notary Public