

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

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

API NUMBER 15-097-
20402-0000

LEASE NAME Grimm

WELL NUMBER 1-2

1980 Ft. from ^N XS Section Line

660 Ft. from E Section Line

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

LEASE OPERATOR ONEOK Exploration / American Energy Recovery SEC. 2 TWP. 28S RGE. 16 (E) or (W)

ADDRESS R.R.#1 Box 122A El Reno, OK 73036-9702

COUNTY Kiowa

PHONE# (405) 721-9264 OPERATORS LICENSE NO. 4548

Date Well Completed 7-21-77

Character of Well Gas

Plugging Commenced 3/01/88

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

Plugging Completed 3/14/88

Did you notify the KCC District Office prior to plugging this well? YES

Which KCC Office did you notify? Dodge City

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

Producing Formation Cherokee Depth to Top _____ Bottom T.D. 4678'

Show depth and thickness of all water, oil and gas formations. Plug Back TD - 4675'

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
				8 5/8"	360'	none
				4 1/2"	4677'	2600'

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.
4 sx hull, 10 sx jell, 50 sx cement, 10 sx jell, 1 sx hull, plug 120 sx, 60/40 POZ - Allied

Steve Phiffer and Elmo Morgenstern on location
(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Clarke Corporation License No. 5105

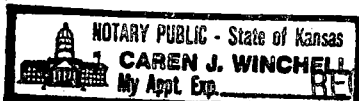
Address P.O. Box 187 Medicine Lodge, Ks 67104

STATE OF Kansas COUNTY OF Barber, ss.

Elmo Morgenstern (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) Elmo Morgenstern

(Address) Medicine Lodge, Ks 67104



SUBSCRIBED AND SWORN TO before me this 15 day of March, 19 88

RECEIVED
3-16-1988
MAR 16 1988

My Commission Expires: June 21, 1992

CONSERVATION DIVISION
Wichita, Kansas

IMPORTANT
Kans. Geo. Survey request
samples on this well.

KANSAS DRILLERS LOG

S. 2 T. 28 R. 16 E. W

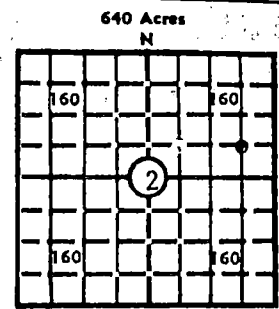
API No. 15 — 097 — 20,402 - 0000
County Number

Loc. C SE NE

Operator
Imperial Oil Co.

County Kiowa

Address
720 Fourth Financial Center Wichita, Kansas 67202



Well No. #1-2 Lease Name Grimm

Elev.: Gr. 2113'

Footage Location
1980' feet from (N) (S) line — 660 feet from (E) (W) line

DF 2116' KB 2118'

Principal Contractor Red Tiger Drilling Co. Geologist E. B. Donnelly

Spud Date 6-20-77 Total Depth RTD: 4678' P.B.T.D. LTD: 4675'

Date Completed 7-21-77 Oil Purchaser

CASING RECORD

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

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"		360'	Litewt. Common	175 125	
Production	7 7/8"	4 1/2"		4677'	Litewt. Common	75 150	18% salt & 12 1/2% gilsonite

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Super Jets	4635-4637'

Size	Setting depth	Packer set at
	4620'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Pumped in 24 bbls. KCL water.	
Perforated with Super jets, 4 shots per foot.	4635-4637'

RECEIVED INITIAL PRODUCTION

Date of first production Shut in STATE CORPORATION COMMISSION (pumping, gas lift, etc.)
Venting

RATE OF PRODUCTION PER 24 HOURS
Oil 4,550 bbls. Gas 4-point test Water MCF Gas-oil ratio CFPB

Disposition of gas (vented, used on lease or sold) To be sold Producing interval(s) 4635-4637' (Cherokee)

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, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. 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.

Operator: IMPERIAL OIL COMPANY
 DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 1-2 Lease Name GRIMM GAS

S 2 T 28S R 16 ^{Rx} W

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 tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1: 4630-4660' 30-120-150-120 No recovery. GTS in 12 min. Flow gauge inoperative; no measurements on pre-flow. 2nd opening; gauged: 10 min.: 2.3 MMCFGD 40 " 3.8 " 65 " 4.07 " 95 " 4.26 " 150 " 4.26 " ISIP: 1581# FSIP: 1536# FP: 308-455/648-562 DST #2: 4660-4668' 30-30-30-30 Rec, 2' bottom hole mud, ISIP: 15# FSIP: 11# FP: 8-11/9-9 DST #3: 4669'-4778' 30-30-30-30 Rec, 10' mud, ISIP: 27# FSIP: 19# FP: 11-11/11-11			Heebner Brown Lime Lansing Cherokee Sand Miss./Congl. Miss. RTD: LTD;	3976 (-1858) 4130 (-2012) 4146 (-2028) 4613 (-2495) 4628 (-2510) 4652 (-2534) 4663 (-2545) 4678 (-2560) 4675 (-2557)

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	RECEIVED STATE CORPORATION COMMISSION MAR 16 1988	<i>Clayton L. Shentz</i> Signature
		Exploration Manager Title August 18, 1977 Date

Operator

IMPERIAL OIL COMPANY

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 1-2

Lease Name GRIMM

GAS

S 2 T 28S R 16 Ex W

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RECEIVED
STATE CORPORATION COMMISSION
AUG 25 1977
CONSERVATION DIVISION
Wichita, Kansas

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Date Received

Clayton L. Shantz
Signature

Exploration Manager

Title
August 18, 1977

Date