

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

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

API NUMBER 15-101-20,344-0000

LEASE NAME Cartmill 'B'

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

WELL NUMBER 1

990 Ft. from S Section Line

3630 Ft. from E Section Line

SEC. 27 TWP. 17 RGE. 28 (R) or (W)

COUNTY Lane

Date Well Completed 10-28-78

Plugging Commenced 1-8-91

Plugging Completed 1-8-91

LEASE OPERATOR A. L. Abercrombie, Inc.

ADDRESS Rt. #1, Box 56, Great Bend, Ks. 67530

PHONE#(316) 793-8186 OPERATORS LICENSE NO. 5393

Character of Well Oil

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

The plugging proposal was approved on December 18, 1990 (date)

by David P. Williams (KCC District Agent's Name).

Is ACO-1 filled? Yes If not, Is well log attached? _____

Producing Formation Lans. KC Depth to Top 4224 Bottom 4226 STATE OF KANSAS RECEIVED T.D. #4600

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
Lans. KC	Oil-Water	4224	26	8 5/8	262	None
				4 1/2	4577	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.

Mixed & pumped 400# Hulls, 20 sacks cement, displaced to 4100'
Perf 2 shots 1485'. Displace 150 sacks, shut in 300# standing. Displace 130 sacks down 8 5/8
Annulus Max PSI 100# & shut in with 50# standing. Job Complete. State Pluggor Dan Goodrow

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

Name of Plugging Contractor A. L. Abercrombie, Inc. License No. 5393

Address Rt. #1, Box 56, Great Bend, Kansas 67530

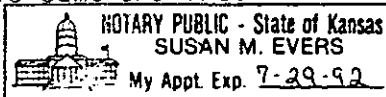
NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: A. L. Abercrombie, Inc. Rt. #1, Box 56
Great Bend, Ks.

STATE OF Kansas COUNTY OF Barton, ss.

E. L. Abercrombie (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) E. L. Abercrombie

(Address) Rt. #1, Box 56, Great Bend, Ks. 67530



SUBSCRIBED AND SWORN TO before me this 16th day of January, 19 91

Susan M. Evers
Notary Public

My Commission Expires: 7-29-92

KANSAS DRILLERS LOG

S. 27 T. 17S R. 28W^E_W

API No. 15 — 101 County 20, 344 — 0000 Number

Loc. C NW SE SW

Operator

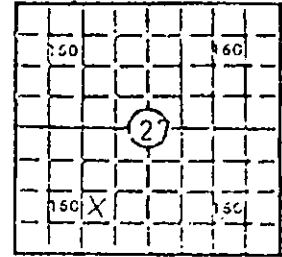
County Lane

Abercrombie Drilling, Inc.

640 Acres
N

Address

801 Union Center, Wichita, Kansas 67202



Well No.

1

Lease Name

Cartmill "B"

Footage Location

990 feet from XX (S) line 1650 feet from XX (W) line

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

Orlin R. Phelps

Spud Date

October 1, 1978

Total Depth

4600'

P.B.T.D.

4515'

Elev.: Gr. 2731'

Date Completed

October 23, 1978

Oil Purchaser

Koch Oil Company

DF 2734' KB 2736'

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 1/2"	8 5/8"	28#	261.67'	common	185	3% C.C., 2% gel
Production	7-7/8"	4 1/2"	10 1/2	4577' KB	50/50 posmix common salt saturated with friction reducer preceded by 20 bbls. of salt flush	50 150	2% gel.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		4224-4226'

TUBING RECORD

Size	Setting depth	Packer set at
2"	4513'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gallons, 15% Non-E	4224-4226'

INITIAL PRODUCTION

Date of first production December 31, 1978	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 90.24 bbls.	Gas none MCF	Water 10% bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s)			
1	4224-4226'			

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, 3330 So. Meridian (P.O. Box 17027), Wichita, Kansas 67217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator

Abercrombie Drilling, Inc.

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

Well No.

1

Lease Name

Cartmill "B"

Oil

S 27 T17SR 28
W

WELL LOG

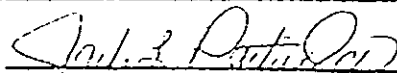
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Rock, sand & clay	0	251	SAMPLE TOPS:	
Shale	251	265		
Sand & Shale	265	450	Anhydrite	2122' (+ 614)
Shale	450	1670	B/Anhydrite	2154' (+ 581)
Sand	1670	1875	Topeka	3674' (-938)
Shale	1875	2123	Heebner	3915' (-1179)
Anhydrite	2123	2154	Toronto	3932' (-1196)
Shale	2154	3112	Lansing	3949' (-1211)
Shale & Lime	3112	3901	St. Shale	4216' (-1480)
Lime & Shale	3901	4047	Ft. Scott	4469' (-1733)
Shale & Lime	4047	4050		
Lime & Shale	4050	4198		
Lime	4198	4228	ELECTRIC LOG TOPS:	
Shale & Lime	4228	4267		
Lime	4267	4461	Anhydrite	2122' (+ 614)
Shale	4461	4494	B/Anhydrite	2150' (+ 586)
Lime	4494	4520	Heebner	3911' (-1175)
Shale	4520	4600	Toronto	3929' (-1193)
Rotary Total Depth		4600	Lansing	3950' (-1211)
			St. Shale	4213' (-1477)
			B/KC	4310' (-1574)
DST #1 (4025-4050') 30", 30", 30" 30"			Ft. Scott	4462' (-1731)
Rec. 1' mud. All pressures-zero.			Cherokee	4492' (-1756)
DST #2 (4178-4198') 30", 45", 30" 45"			Miss	4571' (-1835)
Weak Blow 52". Rec. 30' socm.			LTD	4602' (-1866)
IFP 21-21, IBHP 148, FFP 32-32, FBHP 612.			DTD	4600' (-1864)
Temp. 122°				
DST #3 (4198-4203') 30", 45", 45" 45"				
Weak blow 67". Rec. 20' socm.				
IFP 32-32, IBHP 728, FFP 42-42, FBHP 728				
DST #4 (4210-4228') 30", 60", 60" 60"				
Gas to surface 32". Rec. 1300'				

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

Date Received



Signature

Jack L. Partridge, Asst. Sec.-Treas.

Title

Date

clean gassy oil, 140' mdy oil.

IFP 63-274, IBHP 1108, FFP 327-527, FBHP 1087

Temp. 126°

DST #5 (4458-4494') 30", 45", 30", 45"

20' socm

IFP 42-42, IBHP 95, FFP 42-42, FBHP 63

Temp. 125°