

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

Form CP-4
Rev. 12-15-80

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit

15-101-20456-60-01

COUNTY _____ Lane _____ SEC. 21 TWP. 16S RGE. 27W E/W
Location as in quarters or footage from lines: _____
NE NW SE

Locate Well
correctly on above
Section Platt.

Lease Owner Abercrombie Drilling, Inc.
Lease Name Broughton #1 Well No. _____
Office Address 800 Union Center Wichita, Kansas 67202
Character of Well (Completed as Oil, Gas or Dry Hole): _____
Date Well Completed _____
Application for plugging filed _____
Plugging commenced 7-1-82
Plugging completed 7-7-82
Reason for abandonment of well or producing formation _____

Depleted
Was permission obtained from the Conservation Division or it's
Agent's before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Steve Durrant
Producing formation _____ Depth to top _____ bottom _____ T.D. 4650'
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
				8-5/8"	247	none
				4-1/2"	4374'	805'

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 hold. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Plugged off bottom with sand to 4200' and ran 4 sacks cement. Shot casing @2005', 1010', 805' and pulled a total of 20 joints of 4-1/2" casing. Squeezed hole with 3 sacks hulls, 10 sacks gel, 70 sacks cement. 1 sack hulls, 15 sacks ~~gel~~ released plug and displaced iwth 80 sacks cement.

Plugging Complete.

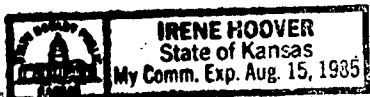
RECEIVED
JUL 15 1982
07-15-1982
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Kelso Casing Pulling

STATE OF Kansas COUNTY OF Rice, ss.
R. Darrell Kelso (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) R. Darrell Kelso
Box 347 Chase, Ks. 67524
(Address)

SUBSCRIBED AND SWORN TO before me this 14th day of July, 19 82



My Commission expires: _____

Irene Hoover
Notary Public.

KANSAS DRILLERS LOG

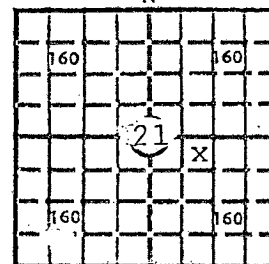
API No. 15 — 101 — 20,456 -00-00
County Number

S. 21 T. 16S R. 27 E W

Loc. C NE NW SE

County Lane

640 Acres
N



Locate well correctly

Elev.: Gr. 2714'

DF 2717' KB 2719'

Operator

Abercrombie Drilling, Inc.

Address

801 Union Center, Wichita, Kansas

Well No.

1

Lease Name

BROUGHTON

Footage Location

2310 feet from (W) line

1650 feet from (E) (W) line

Principal Contractor

Abercrombie Drilling

Geologist

J. E. Jespersen

Spud Date

08-12-80

Total Depth

4650'

P.B.T.D.

4305

Date Completed

08-23-80

Oil Purchaser

Koch Oil Company

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"	20#	246.62	Common	180	2% gel, 3% c.c.
Production	7-7/8"	4-1/2"	10-1/2#	4374'	50/50 posmix Common	100 150	2% gel, 12 1/2# gel salt sat. with friction reduce

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	DP Jets	4252-4256
TUBING RECORD					
Size	Setting depth	Packer set at			

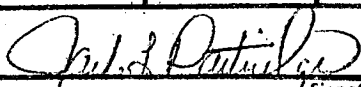
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gallons 15% Non-E	4252-4256

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		CONSERVATION DIVISION Wichita, Kansas	
November 6, 1980		Pumping			
RATE OF PRODUCTION PER 24 HOURS		Oil	Gas	Water	Gas-oil ratio
150		bbls.	MCf	Trace	bbls.
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			4252-4256		

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 Abercrombie Drilling, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil		
Well No. 1	Lease Name BROUGHTON			
S <u>21</u> T <u>16</u> S <u>R</u> <u>27</u> ^E _W				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sand & Shale	0	2340	<u>SAMPLE TOPS:</u>	
Shale & Redbed	2481	2817		
Sand, Shale & Redbed	2817	3040	Anhydrite	2148'
Lime & Shale	3040	3458	B/Anhydrite	2192'
Sand & Shale	3458	3638	Heebner	3971' (-1252)
Lime & Shale	3638	4650	Toronto	3990' (-1271)
Rotary Total Depth		4650	Lansing	4009' (-1290)
			Tarkio	3573' (-854)
DST #1 (4198'-4260') (160' zone) 30", 45", 60", 45"			Howard	3678' (-960)
Weak blow. Rec. 139' of watery mud. ISIP 32#-43#,			Topeka	3727' (-1008)
IFP 1124#, FSIP 54#-76#, FFP 1006#				
DST #2 (4239'-4255') (180' zone) 30", 45", 60", 45"			<u>ELECTRIC LOG TOPS:</u>	
Strong blow throughout. Gas to surface last open			Anhydrite	2153'
period. Rec. 1290' fluid, 1166' free gassy oil			B/Anhydrite	2186'
(42% gravity) 62' MCO & 62' SOCM. ISIP 54#-228#,			Tarkio	3576' (-857)
IFP 1156#, FSIP 293#-456#, FFP 1081#.			Howard	3679' (-960)
DST #3 (4297'-4325') 30", 45", 60", 45"			Topeka	3732' (-1013)
Weak steady blow. Rec. 10' of watery mud, 186'			Heebner	3980' (-1261)
salt water, ISIP 21#-54#, IFP 1124#, FSIP 76#-119#,			Toronto	4000' (-1281)
FFP 1081#			Lansing	4018' (-1299)
DST #4 (4370'-4445') 30", 45", 60", 45"			Stark Shale	4267' (-1548)
Fair blow throughout. Rec. 273' Total F. 25' mud,			B/KC	4370' (-1651)
62' muddy water, 186' salt water. ISIP 65#-108#,			Marmaron	4381' (-1662)
IFP 618#, FSIP 130#-163#, FFP 358#. Temp 124°			Pawnee	4463' (-1744)
			Fort Scott	4520' (-1801)
			Cher. Shale	4546' (-1827)
			Miss.	4622' (-1903)
			LTD	4653'
			DTD	4650'
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature			
	Jack L. Partridge, Asst. Sec.-Treas.			
	Title			
	October 30, 1980			
	Date			