

15.185.01743.0001

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

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

API NUMBER N/A 12-2-48

LEASE NAME Gates

WELL NUMBER 11-A

2640 Ft. from S Section Line

1320 Ft. from E Section Line

SEC. 27 TWP. 21S RGE. 13 (X) or (W)

LEASE OPERATOR Liedtke Operating Corporation

ADDRESS 370 17th Street, Suite 5020, Denver Colorado 80202 COUNTY Stafford

PHONE # (303) 595-8405 OPERATORS LICENSE NO. 20385 Date Well Completed 12-2-48

Character of Well Oil Plugging Commenced 9-20-90

(Oil, Gas, D&A, SWD, Input, Water Supply Well) Plugging Completed 9-20-90

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

Which agent did you notify? Richard Lacey (Dwayne Rankin, Field Agent)

Is ACO-1 filed? N/A If not, is well log attached? yes

Producing Formation Arbuckle Depth to Top 3660' Bottom ? T.D. 3759'

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
Meade	water	85'	130'	8-5/8"	264'	none
Arbuckle	oil	3660'	3759'	5 1/2"	3759'	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. 9-17-90 Perf. 4-shot @ 702-04. 9-20-90 Mix 150 lbs. hulls, spot through tubing @ 3695'; pull 2 jts., spot 30 sks. common, 3% C.C. @ 3634', displace cement in tubing with gel; pull 8 jts. tubing to 3394', circ. gel to 700'. Pull tubing to 710', circ. cement to surface, 65 sks. 60-40 poz mix, 6% gel, pull tubing, swedge to 5 1/2" and squeeze 50 sks. into perfs. at 702', 700 lbs. pressure. Hook up to 8-5/8", squeeze 10 sks, 700 lbs. pressure.

Name of Plugging Contractor Chase Well Service, Inc. License No. 6123

Address P. O. Box 355, Great Bend, Kansas 67530

STATE OF KANSAS COUNTY OF BARTON, ss.

Charles W. Steincamp (Employee of Operator) or (~~XXXXXX~~) 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) Charles W. Steincamp

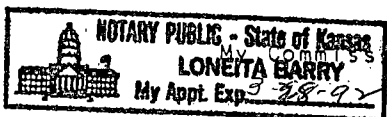
(Address) P. O. Box 355, Great Bend, Kansas 67530

SUBSCRIBED AND SWORN TO before me this 24th day of September, 1990

Loneita Barry  
Loneita Barry Notary Public

RECEIVED  
STATE CORPORATION COMMISSION

SEP 25 1990



on Expires: \_\_\_\_\_

Lease Gates  
 Lease No. KS-3818-19  
 County Stafford

Block or Twp. 21S-13W

Well No. 11  
 State Kansas

Location 150 ft. East of Center of  
 E/2 Sec. 27-21S-13W

Drilled { Contract  
 Company Tools

Contracted Depth  
 Completed Depth

Elevation 1876 Feet  
 Feet Date { Started 10-10-48  
 Completed 11-17-48  
 Deepened  
 Cleaned Out  
 REACHED T.D. 10-27-48

Name of Contractor Campbell Drilling Co.

Contract Price Per Foot

Day Work

Well Estimated Cost  
 Well Actual Cost

Method of Drilling Rotary, with  
 circulation.

BEFORE SHOOTING

AFTER SHOOTING

Initial Production  
 Settled Production

Flowing  
 on Pump

Initial Production  
 Settled Production

Flowing  
 on Pump

Baume Test

Water With Oil

%

Casing Record

Torpedo Record

SIZE	SET	PULLED
8-5/8"	264'	w/175 sax cement and 200# calcium chloride.
5-1/2"	set at 3762'	w/200 sax regular cement and 64 sax sulphate resisting cement.

Date	Company	From	To	Feet	Size of Shell	Total Qts.
ACIDIZED WITH 500 GALLONS.						

FORMATION	TOP	BOTTOM	
Surface clay	0	105	Top of Arbuckle 3662
Red bed	105	109	
Sand, clay & shale	109	272	DST 3678-3695 Open 15 minutes. Recovered 180' gas cut mud, 840' of mud, oil and water, (approximately 15% oil), 120' salt water.
Red bed	272	570	
Red rock & shale	570	1070	
Shale & shells	1070	1380	DST 3695-3712 Open 15 minutes. Recovered 185' gas cut oily mud, no water.
Shale & salt	1380	1585	
Shale, salt & shells	1585	1770	
Shale & lime	1770	1890	DST 3725-3733 Open 40 minutes, BHP 500%. Recovered 90' salt water.
Lime & shale	1890	2170	
Shale & lime	2170	2325	
Shale, lime streaks	2325	2460	DST 3733-3759 Open 55 minutes. Recovered 330' fluid, slight show oil, mostly salt water; BHP 600# in 10 minutes.
Shale & lime	2460	2730	
Lime & shale	2730	3135	
Lime	3135	3585	
Lime, chert & shale	3585	3609	Set 5 1/2" casing at 3762 w/200 sax regular cement and 64 sax sulphate resisting cement.
Cherty lime	3609	3645	
Chert, shale & lime	3645	3674	
Lime, chert, sand & shale	3674	3690	Perforated 3696-3704 w/23 holes.
Lime, cherty sand, shale	3690	3695	
Lime, shale streaks	3695	3712	Acidized w/500 gallons.
Lime	3712	3763 TD	Swabbed 10 to 20 bbls. oil per hour, 10% salt water.

PRODUCING AREA: 3696-3704

UNPERFORATED

61 5 1 1950