

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

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

API NUMBER 15-109-20,402-00-00

LEASE NAME Ward

WELL NUMBER #1

SPOT LOCATION SW NE NE

SEC. 16 TWP. 13 SRGE. 33 ~~(XXX)~~ (W)

COUNTY Logan

Date Well Completed 10-13-85

Plugging Commenced 10-13-85

Plugging Completed 10-13-85

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

LEASE OPERATOR Chief Drilling Co., Inc.

ADDRESS 905 Century Plaza, Wichita, Ks. 67202

PHONE (316) 262-3791 OPERATORS LICENSE NO. 5886

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

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

Which KCC/KDHE Joint Office did you notify? District #6 Hays

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

Producing formation NA Depth to top _____ bottom T.D. 4610 RTD

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	8 5/8" 1432'	set @	1435'	cem	w/475 sks	60-40 posmix 2% gel
	3% cc					

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.

Plugged w/180 sks of 60-40 posmix 6% gel, 1 sx. of flow seal, 1st plug @ 2430' w/20 sx., 2nd plug @ 1450' w/100 sx., 1 sx. of flow seal, 3rd plug @ 375' w/40 sx. solid bridge @ 40' w/10 sx., 10 sx. in the RH started @ 4:00 am completed @ 6:00 am Dist. #6 State Plugger

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

Name of Plugging Contractor Warrior Drilling Co. Rig # 1 License No. 5883
 Address 905 Century Plaza, Wichita, Ks. 67202

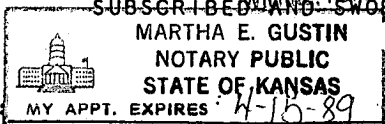
STATE OF Kansas COUNTY OF Sedgwick, ss.

F. W. Shelton, Jr., (employee of operator) or
~~XXXXXX~~ 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 corroborated that the same are true and correct, so help me God.

OCT 21 1985
 10-21-1985
 CONSERVATION DIVISION
 Wichita, Kansas

(Signature) F. W. Shelton, Jr.
 (Address) 905 Century Plaza, Wichita, Ks. 67202

SUBSCRIBED AND SWORN TO before me this 17th day of October, 19 85



Martha E. Gustin
 Notary Public
 Martha E. Gustin Notary Public

My Commission expires

15-109-20402-00-00

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

SUITE 905 CENTURY PLAZA

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

DAILY DRILLING REPORT

API: 15-109-20,402

RIG #1

(316) 262-3791

WARD #1 (2287)
SW NE NE 16-13S-33W
LOGAN COUNTY, KANSAS

ELEVATION: 2952 GR
2954 DF
2957 KB

10-01-84 Moving in on location
10-02-85 Finished moving in, spudded in @
2:45 pm,
10-03-85 Drilling @ 1190' w/ 12 1/4" bit
to 1441' ran 34 jts. new 24# 8 5/8"
casing 1432', set @ 1435', welded
collars, cem. w/475 sks. 60-40 posmix
2% gel, 3% cc, plug down 12:00 midnight
10-04-85 Surface work, drilled out plug
10-05-85 Drilling @ 2260'
10-06-85 Drilling @ 3039'
10-07-85 Drilling @ 3562'
10-08-85 Drilling @ 3902' DST #1 3885-3956
(Lans. A & 35 z) 30-45-60-60 Rec. 2418'
slightly gas cut salt water 36,000 ppm
chloride, mud chlorides ppm IFP:
371-866 FFP: 967-1189 IBHP: 1254# FBHP
1254#
10-09-85 4006' and circulating DST #2 3965-4014
(Lans. 70 z) 30-45-60-60 Rec. 1050' SW
64,000 ppm IFP: 110-242 FFP: 319-530
IBHP: 1198# FBHP: 1164#
10-10-85 DST #3 4055-4124 (Lans. 140-160 z) 30-45
60-60 Rec. 40' M, 50,000 ppm chlorides
IFP: 110-77 FFP: 99-77 IBHP: 1276#
FBHP: 1231#
10-11-85 DST #4 4152-4195 (Lans. 200 z) 30-45-90
-60 Rec. 95' MW, w/show of O, 54,000 ppm
chlorides IFP: 66-66 FFP: 66-88 IBHP:
1390 FBHP: 1390#
10-12-85 DST #5 4463-4515 (Johnston z) 30-30-30-30
Rec. 10' M, IFP: 66-66 FFP: 66-66 IBHP:
88# FBHP: 77#
10-13-85 Ran E-log T.D. 4610 Plugged w/180 sks of
60-40 posmix 6% gel, 1 sk. of flow seal
1st plug 2430' w/20 sx. 2nd plug 1450'
w/100 sx. 1 sx. of flow seal, 3rd plug @
375' w/40 sx., solid bridge @ 40' w/10 sx
10 sx. in the rat hole, Started @ 4:00 am
Completed @ 6:00 am District #6 State
Plugger Hays Kansas (Marion Schmidt?)

FORMATION TOPS:

Anhydrite	2409 +	548
Base Anhydr.	2432 +	525
Wabunsee	3500 -	543
Heebner	3857 -	900
Toronto	3872 -	915
Lansing	3900 -	943
Muncie Creek	4061 -	1104
Stark	4153 -	1196
BKC	4225 -	1268
Marmaton	4256 -	1299
Pawnee	4355 -	1398
Ft. Scott	4410 -	1453
Cherokee Sh.	4438 -	1481
Mississippi	4570 -	1613
RTD	4610 -	1653

E-LOG TOPS:

Anhydrite	2400 +	557
B. Anhydrite	2421 +	536
Wabunsee	3500 -	543
Topeka	3624 -	667
Heebner	3848 -	891
Toronto	3866 -	909
Lansing	3891 -	934
Muncie Creek	4053 -	1096
Stark	4145 -	1188
BKC	4219 -	1262
Marmaton	4249 -	1292
Pawnee	4344 -	1387
Ft. Scott	4402 -	1445
Cherokee Sh.	4430 -	1473
Mississippi	4564 -	1607
LTD	4604 -	1647

RECEIVED

STATE CORPORATION COMMISSION

OCT 21 1985

CONSERVATION DIVISION
Wichita, Kansas