

LOG OF WELL

SHEET 1

OWNER The Texas Company DIVISION Oklahoma-Kansas DATE MADE Sept 19, 1944
 DISTRICT Kansas LEASE L. Yates WELL NO. 1
 STATE Kansas COUNTY OR PARISH Graham TWP. 6S RANGE 21W SEC. 9
 LOCATION OF WELL ON ON ON

COMMENCED RIGGING UP 8/2/44 COMMENCED DRILLING 8/4/44 COMPLETED DRILLING 8/24/44
 DAY DRILLER _____ NIGHT DRILLER _____ CONTRACTOR Helmreich & Payne
 CABLE FROM --- TO --- ROTARY FROM 0 TO 3832' COMPANY RIG No. _____
 TOTAL DEPTH 3832' MEASURED BY M. O. Harrell ELEVATION _____

CASING RECORD

| SIZE | WEIGHT | PUT IN WELL | | PULLED OUT | | LOST IN WELL | | SHOES | | PACKERS | | | | |
|---------------|---------------|--------------|------|--|------|--------------|------|--------|------|---------|--------|--------|--|--|
| | | FEET | INS. | FEET | INS. | FEET | INS. | LENGTH | MAKE | KIND | LENGTH | SET AT | | |
| <u>8-5/8"</u> | <u>32# SS</u> | <u>1907'</u> | | <u>Cemented with 750 sack cement & 700# CG</u> | | | | | | | | | | |
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WAS CASING CEMENTED? _____ IF SO, HOW MANY SACKS OF CEMENT USED? _____
 LINER: STATE SIZE AND WEIGHT _____ WHERE SET _____ FT. AND INS. BLANK _____ FT. AND INS. PERFORATED _____
 HOW PUT TOGETHER _____ COUPLING _____ FLUSH-JOINT _____ INSERTED _____
 REMARKS: _____

EQUIPMENT RECORD

| TUBING | | | | SUCKER RODS | | | PUMPING OUTFIT |
|--------|--------|------|------|-------------|------|---------------|-------------------------------|
| SIZE | WEIGHT | FEET | INS. | FEET | INS. | SIZE AND KIND | DESCRIPTION, KIND, SIZE, ETC. |
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FLOWING, PUMPING, GASSER OR DRY Dry PRODUCTION FIRST 24 HOURS _____ PRODUCTION SETTLED _____
 IF GAS WELL, OPEN FLOW CAPACITY _____ SHUT IN PRESSURE _____ ROCK PRESSURE _____
 KIND OF SHOT _____ SIZE OF SHOT, QUARTS _____
 NUMBER OF SHELLS _____ SIZE OF SHELLS PLUGGING INCHES, DIAMETER _____
 LENGTH OF SHELLS _____ FEET _____ INCHES _____ OF SHOT _____
 BOTTOM OF SHOT _____ ANCHOR FILE REC 9-6-R-2110 WELL BRIDGED TO 9-19-44
BOOK PAGE 128 LINE 45
 TOTAL DEPTH OF WELL _____ NUMBER OF SHOT _____ PRODUCTION BEFORE SHOT _____ BBLs. PER DAY _____
 PRODUCTION AFTER SHOT _____ BBLs. PER DAY. SHOT FURNISHED BY _____
 NAME OF SHOOTER _____ SHOT INSPECTED _____ BY _____ (COMPANY EMPLOYEE)
 COMMENCED DRILLING DEEPER _____ COMPLETED _____ DRILLING DEEPER _____

TOTAL DEPTH Anhydrite 1898' - Top K.G. line 3460' - Cored 3750-64', 4'4" rod--
Cored 3786-90', 3' line rod -- Top Arbuckle line 3787'
 REMARKS: _____

NOTE: IF WELL WAS DRY, STATE UNDER REMARKS, WHEN, HOW, AND BY WHOM PLUGGED.
 STATE UNDER REMARKS ANYTHING OF INTEREST NOT COVERED IN LOG.
 IF THE SPACE PROVIDED FOR REMARKS IS NOT SUFFICIENT WRITE ON BOTTOM OF LAST SHEET OF LOG.

15-065-00084-00-00

LOG OF WELL

SHEET No. 1

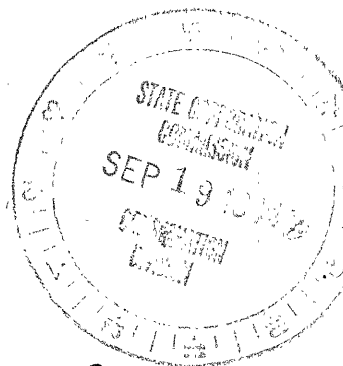
District Kansas

Owner The Texas Company Farm L. T. Tamm

Well No. 21

| FORMATION | AMOUNT | COLOR | HARD OR SOFT | DEPTH CORES TAKEN | REMARKS |
|--------------------|-------------|-------|--------------|-------------------|---------|
| Shells | 130 | | | | |
| Sand | 130 | | | | |
| Sand & Gravel | 130 | | | | |
| Sable & Shells | 775 | | | | |
| Shale | 975 | | | | |
| Shale & shells | 1125 | | | | |
| Shale & Sand | 1275 | | | | |
| Shale & Chert | 1300 | | | | |
| Shale & shells | 1340 | | | | |
| Shale & sand | 1370 | | | | |
| Shale & shells | 1430 | | | | |
| Sand | 1500 | | | | |
| Shale & Sand | 1520 | | | | |
| Shale | 1520 | | | | |
| Shale & shells | 1520 | | | | |
| Red Bed & shale | 1710 | | | | |
| Red Bed | 1810 | | | | |
| Red bed and shale | 1820 | | | | |
| Anhydrite | 1900 | | | | |
| Red Bed | 2100 | | | | |
| Shale & shells | 2200 | | | | |
| Lime & shale | 2530 | | | | |
| Shale & shell | 2775 | | | | |
| Lime & shale | 2970 | | | | |
| Lime | 3010 | | | | |
| Lime shale | 3110 | | | | |
| Kansas City Lime | 3120 | | | | |
| Lime | 3120 | | | | |
| Lime & chert | 3120 | | | | |
| Lime | 3120 | | | | |
| Lime, soft | 3710 | | | | |
| Lime & shale | 3790 | | | | |
| Lime | 3800 | | | | |
| Lime, Artesian | 3805 | | | | |
| TOTAL DEPTH | 3805 | | | | |

PLUGGING
 FILE NO. 9 6 216
 BOOK PAGE 128 LINE 45



9-19-44