T. G. WRIGHT
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620 FOURTH FINANCIAL CENTER
WICHITA, KANSAS 67202

April 8, 1975

GEOLOGICAL WELL REPORT
Brunson-Spines & Magnum Land Corporation
#1 Schemm SE SE NW Sec. 21-T19S-R14E
Coffey County, Kansas
Contractor: Triangle Drilling Co.
Spud: March 26, 1975
8 5/8" Surface Casing @ 62'
Completed as dry hole: April 2, 1975
Total Depth: 2325'
2319 GRN in drill pipe

Brunson-Spines
615 Fourth Financial Center
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geological tops and an evaluation of the porosities encountered. No drill stem tests were taken. The hole was logged electrically before abandonment, that data included herein.

I arrived at the location at a depth of 1020' and witnessed the drilling from that point to TD 2325. Samples were examined from 200-2325 TD.

Enclosed herewith is a copy of the plotted drilling time log from 100-2325 TD which also includes lithology, geologic tops, porous zones and other pertinent data.

ELECTRIC LOG TOPS

| | | |
|---|---|---|
| ELEVATION | 1138 KB (Private Elevation) | |
| HEEBNER | 357 | (+ 781) |
| DOUGLAS | 384 | (+ 754) |
| 666- 695 | Sandstone, clean, medium fine, clustered to loose grained. Good porosity, no show. Basal few feet dark gray hard tight sandstone. | |
| LANSING | 695 | (+ 443) |
| KANSAS CITY | 963 | (+ 175) |
| BASE OF KANSAS CITY | 1084 | (+ 54) |
| ALTAMONT | 1238 | (- 100) |

T. G. WRIGHT DONATION 1996

BANDERA SANDSTONE

1270-92 Fine, calcareous, micaceous sandstone. Possible fair porosity, no show.

PAWNEE 1292 (- 154)

CHEROKEE 1375 (- 237)

Bartlesville Sand 1554-80 Sandstone, medium fine, light gray, dirty, included limonite pellets. No show.

MISSISSIPPIAN LIMESTONE 1728 (- 590)

1772-80, 1787-96 Dolomite, tan to gray sucrosic, some excellent cavernous porosity, no show.

1806-18 Limestone, white, leached with gray sucrosic dolomite. Good porosity, no show.

OSAGE 1924 (- 786)

CHOTEAU 2002 (- 864)

KINDERHOOK SHALE 2134 (- 996)

BASE OF CHATTANOOGA SHALE - MISENER SAND 2219 (-1081)

HUNTON 2222 (-1084)

NOTE: Entire section composed of limestone, dense to crystalline, much chalk.

SIMPSON SAND 2266 (-1128)

2266-2312 Sandstone, medium grained, rounded to subangular, white, clean, clustered to loose grains, occasional green shale. Mostly porous, no show. Extremely coarse sand in bottom few feet.

ARBUCKLE 2312 (-1174)

2312-2325 TD Dolomite, buff to brown and gray, very siliceous, very coarsely crystalline and cavernous. Good porosity, no show.

TOTAL DEPTH 2325 (Rotary)
2319 (Logged depth in drill pipe)

## Conclusions and Recommendations

The subject well appears regional structurally on Mississippian and Pre-Mississippian rocks. Two miles southwest is a recent dry hole drilled by Gear Operating Co. On the Mississippian Limestone, the well is 30' higher than the Gear well. At the Base of the Chattanooga-Hunton, this well is 12' lower than the Gear well. Both the above tests are north and northwest of a hole in Section 9-20S-14E drilled this winter. Both are considerably lower structurally at the Mississippian Limestone and Base of Chattanooga and this is considered to be a regional relationship.

No shows were encountered in this test and the well was recommended abandoned as a dry hole.

Yours very truly,

T. G. Wright

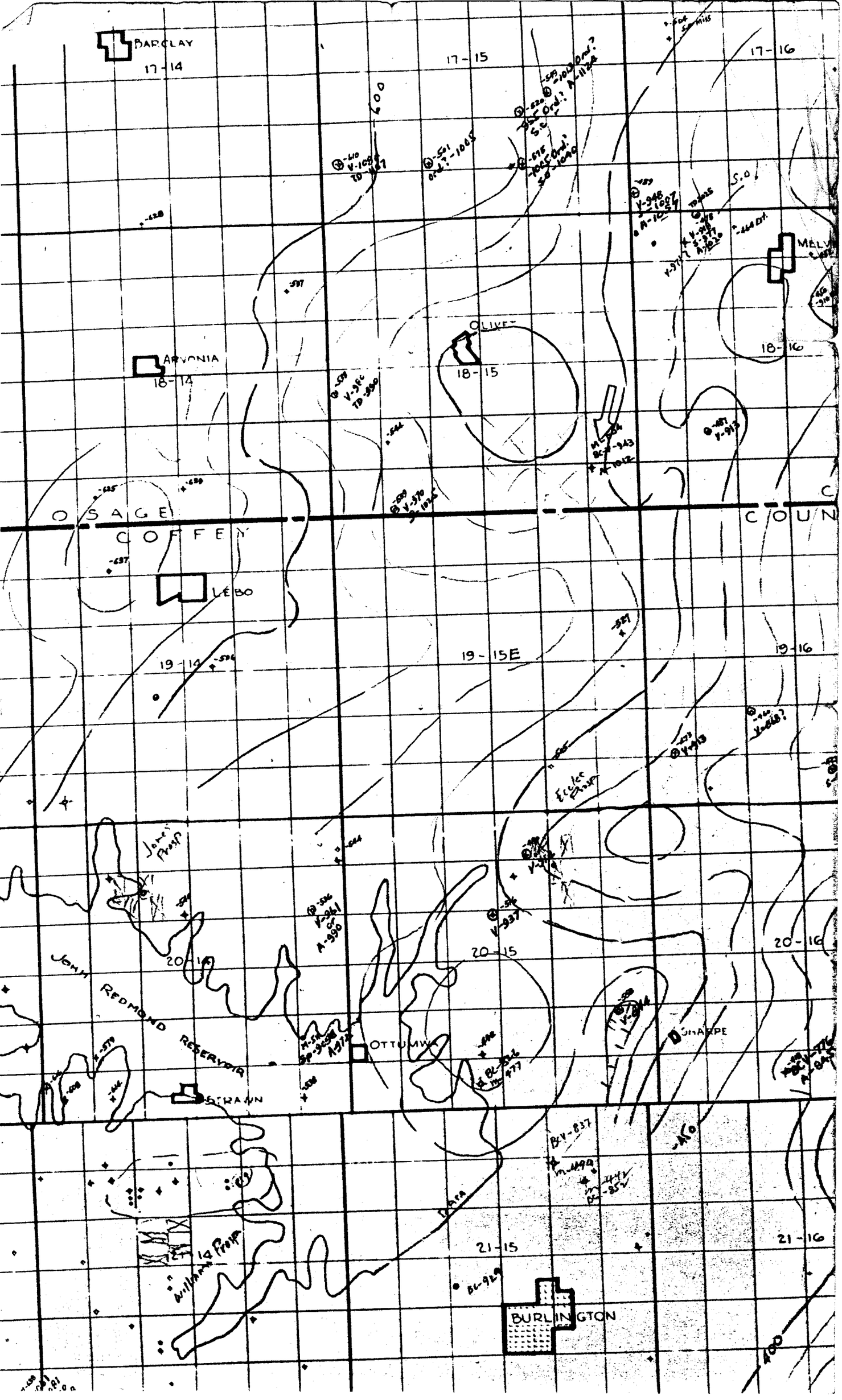
TGW:bf

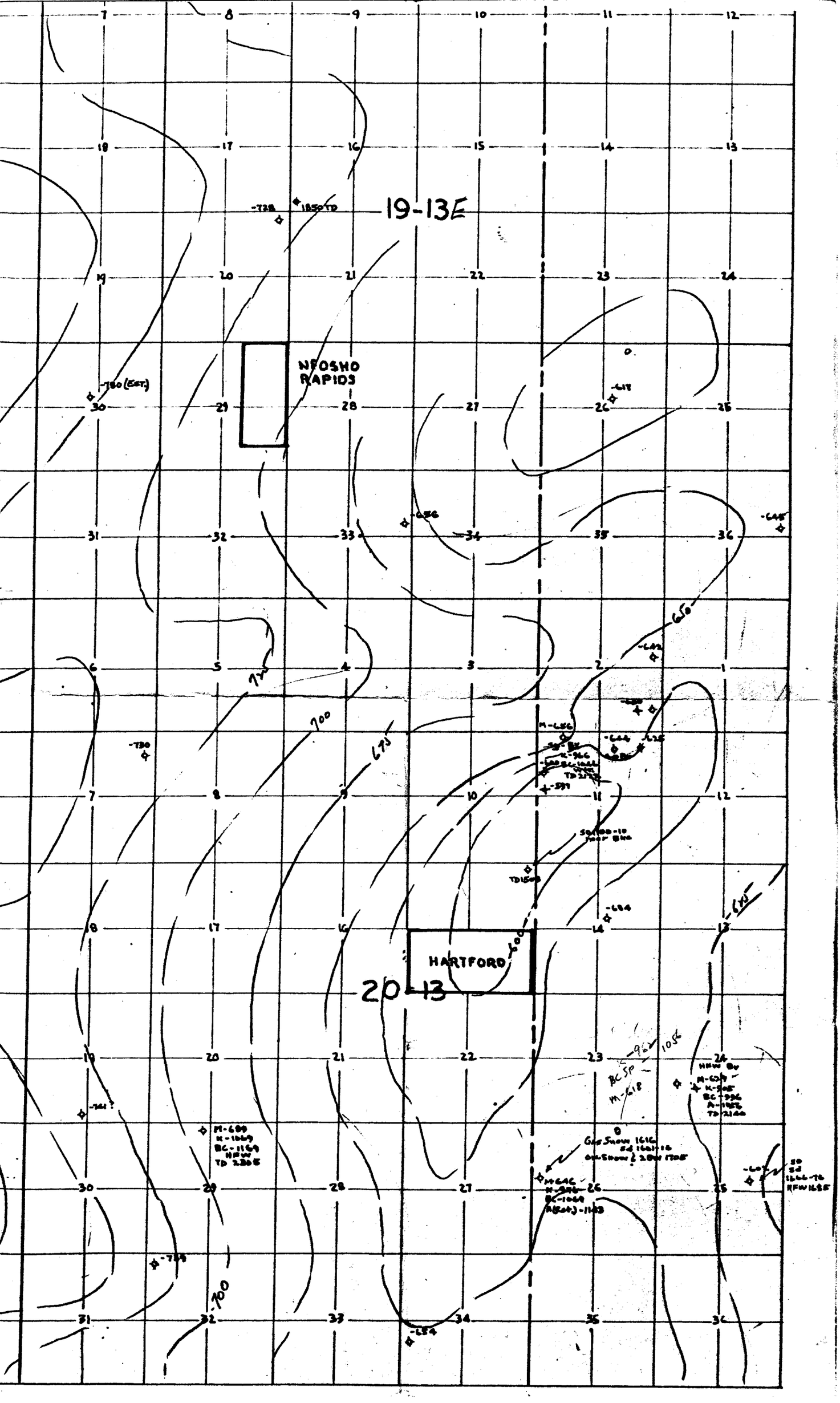
## BIT RECORD

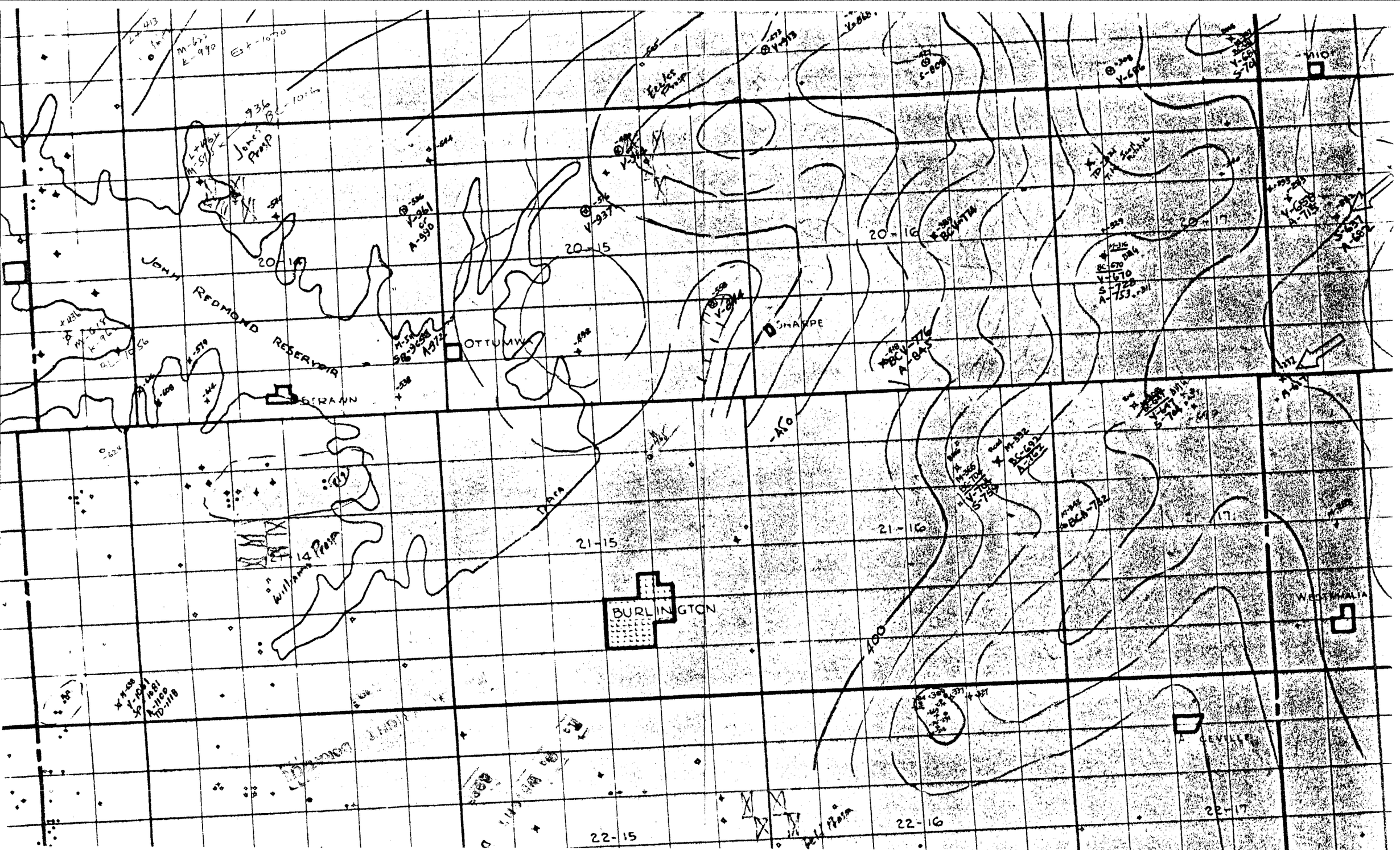
| | |
|---|---|
| SMITH DT (Retip) | 62- 417 |
| SECURITY S84 (Rerun) | 417-1735 |
| SECURITY S88 (Rebuilt) | 1735-2325 TD |

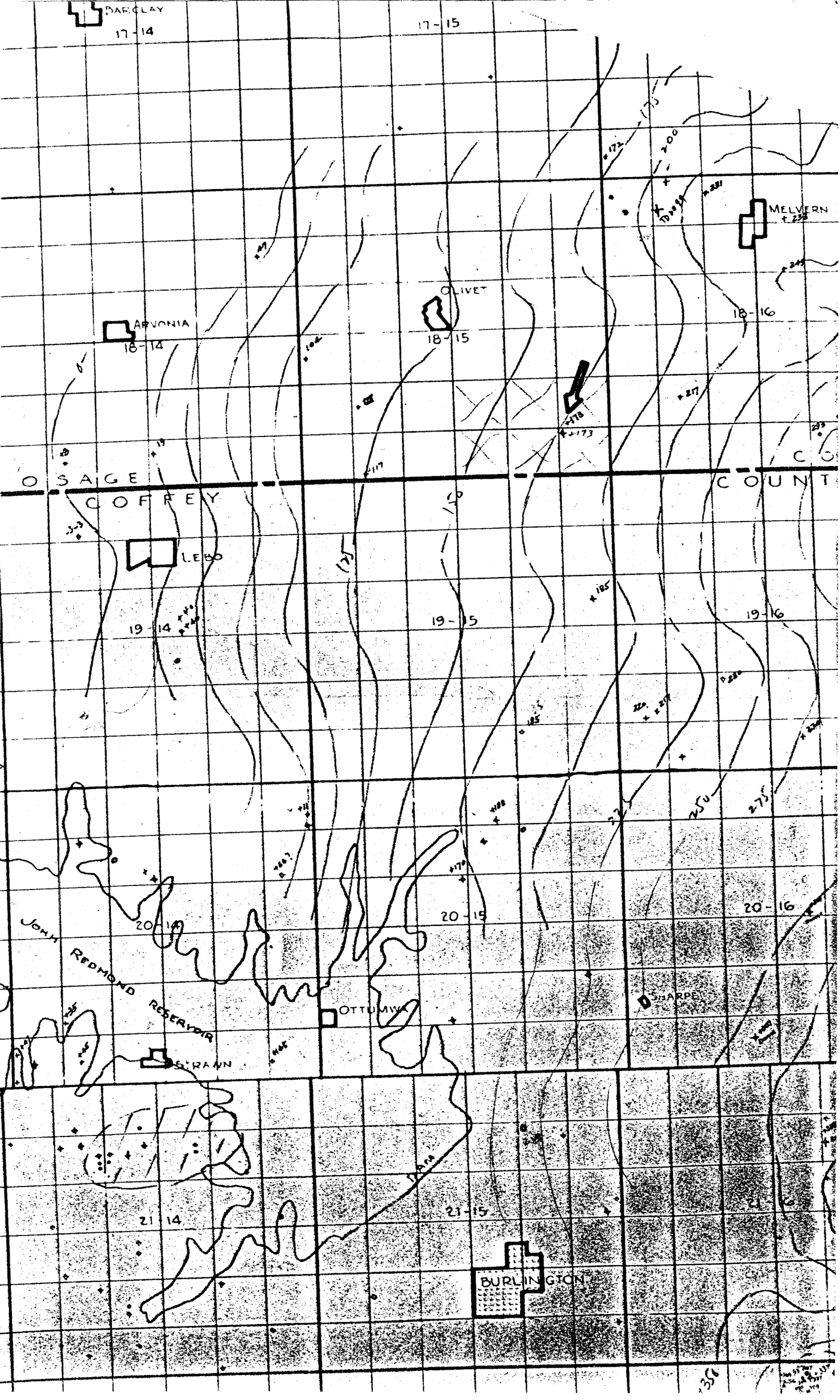
## DRILLING PROGRESS

| | |
|---|---|
| 3-26 | SPUD |
| 3-27 | 62 |
| 3-28 | 810 |
| 3-29 | 1305 |
| 3-30 | 1795 |
| 3-31 | 2015 |
| 4- 1 | 2200 |
| 4-2 | 2325 TD D&A |


BARCLAY
17-14
17-15
17-16
ARVONIA
18-14
OLIVET
18-15
18-16
OSAGE
COFFEY
COUN
LEBO
19-14
19-15E
19-16
20-14
20-15
20-16
JOHN REDMOND RESERVOIR
OTTUMWA
STRAWN
SHARPE
21-15
21-16
BURLINGTON


19-13E
NEOSHO RAPIDS
HARTFORD
20-13
-728
1850 TD
-780 (Est.)
-619
-656
-645
-642
-730
-784
-654
M-609
K-1069
BC-1169
NPW
TD 2305
M-646
K-946
BC-1069
TD 2150
M-618
K-905
BC-996
A-1125
TD 2140
M-646
K-946
BC-1069
A(Cut)-1169
-644
-625
-684
-599
650
700
675
1056
-960


Jones Ranch
Jones
REDMOND RESERVOIR
OTTUMWA
SHARPE
STRAWN
BURLINGTON
WESTPHALIA
20-16
20-15
20-17
21-15
21-16
22-15
22-16
400


BARCLAY
17 - 14
17 - 15
MELVERN
OLIVET
ARVONIA
18 - 14
18 - 15
18 - 16
OSAGE
COFFEY
COUNTY
LEBO
19 - 14
19 - 15
19 - 16
JOHN REDMOND RESERVOIR
OTTUMWA
STRAWN
SHARPE
20 - 14
20 - 15
20 - 16
21 - 14
21 - 15
BURLINGTON

21-13E

21-14

Lyon Co
Greenwood Co.

Douglas County

NATIONAL

M-646 BC-Sp-S-1110 APD-1141 TD-1145

M-620 BC-Sp Sd-1065 A-1009 TD-1017

M-632 TD-456

BC-ARB. SS -1136

-1091 Tr-011

M-601 V-1038 Sp-1053 A-1076

BC-V-977

BC-863

BC-Sp-867

BC-Sp-847

BC-V-848

BC-Sp-825

BC-Sp-832

BC-Sp-819

BC-Sp-851

BC-Sp-837

V-852

V-851

V-841

V-838

V-839

BC-Sp-845

SP-855

TD-1080

BC-V-1015 Sp Sd-1020

BC-Sp Sd-1016

BC-Sp-1014 S-0

M-Sp-1048

BC-V-1038 SP-1052 A-1093 TD-1128

Sp-1031

BC-Sp Sd-1026

-1087

M-638 BC-V-1061 SP-1088 A-1100 -1091

M-638 M-Sm C -1054 Sp. BC-Sp-1055 M-650 V-1063

M-658 BC-Sp-1087 TD-1100

-1060

No Elev.

-1110

-1136

MAP No.

| | |
|---|---|
| STATE Kansas | COMPANY R. E. Smith |
| COUNTY Coffey | FARM C. H. Ceames WELL NO. #1 |
| T. 19 R. 14E | CONTRACTOR |
| 15 | COMMENCED 4-9-29 |
| | COMPLETED 8-12-29 |
| | REMARKS Loc: SW cor. SE4 |
| ALTITUDE 1149 Est | (1150 GL - 7½ a) |
| PRODUCTION Dry | |

CASING RECORD

| | |
|---|---|
| | 10" 721' |
| | 8¼" 1184' |
| 20" | 6⅝" 1470' |
| 15½" | 5 3/16" |
| 12¼" 19½' | |
| SHOT | QUARTS BETWEEN |

Form 136—In stock and for sale by Mid-West Prtg. Co., Tulsa

