

WICHITA BRANCH

WELL COMPLETION REPORT AND  
DRILLER'S LOGAPI No. 15 — 205 — 20,653  
County NumberS. 14 T. 28 R. 15 E  
Loc. 1470' FSL & 150' FEL SE  
County Wilson

Operator

Tech American Resources

Address

P. O. Box 1879 Clifton, New Jersey 07015

Well No.

#15

Lease Name

J. H. Keith

Footage Location

1470 feet from (N) (S) line 150 feet from (E) (W) line

Principal Contractor

TARC Drilling &amp; Field services

Geologist

Spud Date

10-4-79

Date Completed

10-20-79

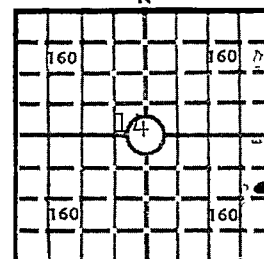
Total Depth

1076

P.B.T.D.

Directional Deviation

Oil and/or Gas Purchaser

640 Acres  
N

Locate well correctly

Elev.: Gr. \_\_\_\_\_

DF \_\_\_\_\_ KB \_\_\_\_\_

## 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           | 9"                | 7"                        | 19             | 45            | Portland    | 3     | 3% Cal.                            |
| Production        | 6 1/2"            | 4 1/2"                    | 9.5            | 1064          | Portland A  | 130   | 3 sx perm. gel<br>A sax. Flo. ceal |
|                   |                   |                           |                |               |             |       |                                    |
|                   |                   |                           |                |               |             |       |                                    |

## LINER RECORD

## PERFORATION RECORD

| Top, ft.      | Bottom, ft.   | Sacks cement  | Shots per ft. | Size & type | Depth interval |
|---------------|---------------|---------------|---------------|-------------|----------------|
|               |               |               | 2 per ft.     | 3 1/2 Alum. | 1022 to 1042   |
| TUBING RECORD |               |               |               |             |                |
| Size          | Setting depth | Packer set at |               |             |                |
| 2" EUE.       | 1020          |               |               |             |                |

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used              | Depth interval treated |
|-----------------------------------------------|------------------------|
| Fracture 6000# of sand 180 Bld. of gel. water | 1022 to 1042           |
|                                               |                        |
|                                               |                        |

## INITIAL PRODUCTION

|                                                                                  |                    |                                                                                            |                       |               |
|----------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|-----------------------|---------------|
| Date of first production<br>11-1-79                                              |                    | Producing method (flowing, pumping, gas lift, etc.)<br>flowing gas lift put on pump 1-7-80 |                       |               |
| RATE OF PRODUCTION<br>PER 24 HOURS                                               | Oil                | Gas                                                                                        | Water                 | Gas-oil ratio |
|                                                                                  | 40 Bld. avg. bbls. | little MCF                                                                                 | none bbls.            | CFPB          |
| Disposition of gas (vented, used on lease or sold)<br>vented to be used on lease |                    |                                                                                            | Producing interval(s) |               |

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, 245 No. Water, Wichita, Kansas 67202. 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<br>Tech American Resources |                     | DESIGNATE TYPE OF COMP.: OIL, GAS,<br>DRY HOLE, SWDW, ETC.: |
| Well No.<br># 15                    | Lease Name<br>Keith | Oil                                                         |
| S 14 T 28 R 15 E<br>XX              |                     |                                                             |

### WELL LOG

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.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP  | BOTTOM    | NAME | DEPTH |
|---------------------------------------|------|-----------|------|-------|
| 6 Lime                                | 0    | 6         |      |       |
| 3 Hill gravel                         | 6    | 9         |      |       |
| 9 Lime                                | 9    | 18        |      |       |
| 1 Hill gravel                         | 18   | 19        |      |       |
| 10 Broken lime                        | 19   | 29        |      |       |
| 113 Shale                             | 29   | 142       |      |       |
| 27 Lime broken                        | 142  | 169       |      |       |
| 84 Shale                              | 169  | 253       |      |       |
| 11 Lime                               | 253  | 264       |      |       |
| 52 Shale                              | 264  | 316       |      |       |
| 11 Lime                               | 316  | 327       |      |       |
| 22 Shale                              | 327  | 349       |      |       |
| 11 Lime                               | 349  | 360       |      |       |
| 69 Lime broken                        | 360  | 429       |      |       |
| 14 Shale                              | 429  | 443       |      |       |
| 12 Lime broken                        | 443  | 455       |      |       |
| 12 Shale                              | 455  | 467       |      |       |
| 58 Lime                               | 467  | 525       |      |       |
| 14 Shale                              | 525  | 539       |      |       |
| 26 Lime                               | 539  | 565       |      |       |
| 47 Shale broken                       | 565  | 612       |      |       |
| 6 Lime                                | 612  | 618       |      |       |
| 22 Shale                              | 618  | 640       |      |       |
| 10 Lime broken                        | 640  | 650       |      |       |
| 9 Lime                                | 650  | 659       |      |       |
| 104 Shale                             | 659  | 763       |      |       |
| 3 Lime                                | 763  | 766       |      |       |
| 10 Shale broken                       | 766  | 776       |      |       |
| 12 Lime                               | 776  | 788       |      |       |
| 28 Shale broken                       | 788  | 816       |      |       |
| 17 Lime                               | 816  | 833       |      |       |
| 24 Shale broken                       | 833  | 857       |      |       |
| 4 Lime                                | 857  | 861       |      |       |
| 67 Shale                              | 861  | 928       |      |       |
| 2 Lime                                | 928  | 930       |      |       |
| 30 Shale                              | 930  | 960       |      |       |
| 1 Lime                                | 960  | 961       |      |       |
| 59 Shale                              | 961  | 1019      |      |       |
| 31 Sand oil                           | 1019 | 1050      |      |       |
| 27 Shale to TD                        | 1050 | 1077 T.D. |      |       |

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date Received | <div data-bbox="841 1740 1299 1819" data-label="Text"> <p><i>Daniel M. Beckel</i></p> </div> <div data-bbox="1104 1808 1196 1830" data-label="Text"> <p>Signature</p> </div> <div data-bbox="831 1819 1117 1883" data-label="Text"> <p><i>Field Supt.</i></p> </div> <div data-bbox="1120 1876 1172 1898" data-label="Text"> <p>Title</p> </div> <div data-bbox="863 1898 1101 1940" data-label="Text"> <p><i>1-13-80</i></p> </div> <div data-bbox="1120 1944 1172 1966" data-label="Text"> <p>Date</p> </div> |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

17-58-12E