

| GRANTOR                   | GRANTEE                             | KIND OF INST. | DATE OF RECORD | DATE OF INST. | BOOK  | PAGE | DESCRIPTION OF PROP.   | REMARKS |
|---------------------------|-------------------------------------|---------------|----------------|---------------|-------|------|------------------------|---------|
| Pettyjohn J.L.            | National Life Ins. Company          | Assig         | 2-24-17        | 12-11-16      | 54    | 186  | NW $\frac{1}{4}$       | 54-118  |
| Martin W.Roy wf           | Hosford Inv. Mtg. Company           | D             | 3-16-17        | 3-16-17       | 99    | 92   | NW $\frac{1}{4}$       |         |
| Hosford Inv. & Mtg. Co.   | Edith M. Clarke                     | D             | 9-28-17        | 9-28-17       | 93    | 578  | 157a. NW $\frac{1}{4}$ |         |
| Clarke Edith M.           | Merchants Loan & Sav. Bank          | M             | 11-17-21       | 11-1-21       | 61    | 221  | NW $\frac{1}{4}$       |         |
| Merchants Loan & Sav. Bk. | M. Shillerston                      | ssig          | 4-28-25        | 4-27-25       | 67    | 119  |                        | 61-221  |
| Shillerston M.            | Edith M. Clarke                     | Rel           | 3-31-27        | 3-29-27       | 67    | 570  |                        | 61-221  |
| Clarke Edith M.           | Kansas Electric Power Company       | R/W           | 3-13-44        | 3-10-44       | 149   | 395  | NW $\frac{1}{4}$       |         |
| Clarke Edith M.           | James I. Moore                      | D             | 1-3-49         | 12-22-48      | 166   | 294  | NW $\frac{1}{4}$       |         |
| Davis Joseph E. wf.       | Metropolitan Life Ins. Co.          | M             | 4-14-59        | 4-9-59        | 121   | 394  | NW $\frac{1}{4}$       |         |
| Kahle Henry               | —                                   | Affid         | 5-5-59         | 8-9-1916      | 205   | 399  | NW $\frac{1}{4}$       |         |
| Moore JAMES I.            | JOSEPH E. DAVIS ETAL                | D             | 6-1-59         | 2-27-59       | 206   | 54   | NW $\frac{1}{4}$       |         |
| United States of America  | Eliza Bluejacket                    | Pat.          | 10-16-63       | 12-28-1859    | 229   | 567  | NW $\frac{1}{4}$       |         |
| Davis, Joseph E. wf.      | Glen M. Long etal                   | O             | 11-8-77        | 11-7-77       | 322   | 917  |                        |         |
| Long, Glen M. wf.         | John L. Dickerson etal              | D             | 12-1-77        | 11-7-77       | 322   | 1803 | tr.                    |         |
| Dickerson, John R. wf.    | Kaw Valley St. BK.                  | M             | 12-1-77        | 12-1-77       | 322   | 1804 | tr.                    |         |
| Davis, Joseph E. wf       | Glen m. Long, etal                  | D             | 1-2-79         | 11-7-77       | 332   | 356  | tr.                    |         |
| Long, Glen m. wf          | Leavenworth Mutual Savs. & Loan     | m             | 1-2-79         | 1-2-79        | 332   | 357  | tr.                    |         |
| Dickerson, John L. wf.    | Kaw Valley St. BK. <sup>agmt.</sup> | EXT. M.       | 1-23-79        | 12-1-77       | 332   | 1088 | 322-1804               |         |
| Dickerson, John L. wf     | Kaw Valley State Bank               | M.            | 4-12-79        | 4-11-79       | 334   | 352  |                        |         |
| Kaw Valley State Bank     | John L. Dickerson, wf               | m.            | 4-19-79        | 4-12-79       | 334   | 594  | 332-1804               |         |
|                           |                                     | SECTION       | TOWNSHIP       |               | RANGE |      | QUARTER                |         |
|                           |                                     | 18            | 13             |               | 21    |      | N W                    |         |

| GRANTOR                       | GRANTEE                      | KIND OF INST.      | DATE OF RECORD | DATE OF INST. | BOOK  | PAGE | DESCRIPTION OF PROP. | REMARKS |
|-------------------------------|------------------------------|--------------------|----------------|---------------|-------|------|----------------------|---------|
| Leavenworth Mutual Sav. & Bk. | Glen M. Long w/f             | Rel.               | 9-16-79        | 8-29-79       | 337   | 1888 | 332-357              |         |
| Long, Glen M. w/f             | Douglas County               | ESMT               | 9-16-79        | 8-21-79       | 337   | 1889 |                      |         |
| Davis, Joseph E.              | —                            | Inner<br>#24 cert. | 7-24-80        | 7-22-80       | 343   | 390  | E 80 A.              |         |
| Mutual Sav's. Assoc.          | Glen M. Long, w/f            | m.                 | 1-24-84        | 1-20-84       | 368   | 1787 | 332                  |         |
| Long, Glen M. w/f             | Kansas Land Investments Inc. | OGI                | 1-30-84        | 1-19-84       | 369   | 27   | Tr.                  |         |
| Davis, Ruth M.                | Kans. Land Inv. Inc.         | OGI                | 2-3-84         | 1-27-84       | 369   | 377  |                      |         |
|                               |                              |                    |                |               |       |      | <del>369-27</del>    |         |
| KS Land Investments Inc       | Trahan Petroleum Inc         | ASSIGN<br>OGI      | 5-3-84         | 4-16-84       | 371   | 780  | 369-27               |         |
| KS Land Investments Inc       | Trahan Petroleum Inc         | ASSIGN<br>OGI      | 5-3-84         | 4-16-84       | 371   | 800  | 369-377              |         |
| Long, Glen M. w/f             | Donald A. Dearing, et al     | D                  | 5-26-87        | 4-28-87       | 405   | 1340 |                      |         |
| Dearing, Donald A. w/f        | First Nat'l Bank - Wamego    | mtg                | 5-26-87        | 5-22-87       | 405   | 1342 |                      |         |
| Dickerson, John H. w/f        | Kaw Valley St. Bank          | mtg                | 7-17-89        | 4-18-89       | 434   | 125  |                      |         |
| Kaw Valley St. Bank           | John H. Dickerson, w/f       | Rel                | 1-28-91        | 1-24-91       | 453   | 252  | 334-352              |         |
| Kaw Valley St. Bank           | John H. Dickerson, w/f       | Rel                | 1-28-91        | 1-24-91       | 453   | 253  | 434-125              |         |
| Davis, Ruth M.                | James T Brady et al          | D                  | 12-28-93       | 12-3-93       | 506   | 1852 | E 80 Acres           |         |
| Dearing, Don et al            | RWD #4                       | ESMT               | 5-2-95         | 3-1-95        | 532   | 1987 | 30'                  |         |
| Brady, James T.               | RWD #4                       | ESMT               | 5-2-95         | 3-1-95        | 532   | 1992 | 30'                  |         |
| First National Bank of Wamego | Donald A. Dearing, w/f       | Rel<br>mtg         | 8-6-01         | 8-3-01        | 726   | 922  | 405-1342 Rel         |         |
| First National Bank of Wamego | Donald A. Dearing, w/f       | Rel<br>mtg         | 2-26-02        | 2-22-02       | 760   | 326  | 405-1342 Rel         |         |
| Brady, James T., w/f          | J+J Operating Company        | OGI                | 5-29-08        | 5-1-08        | 1037  | 1422 | E <sup>2</sup>       |         |
|                               |                              | SECTION            | TOWNSHIP       |               | RANGE |      | QUARTER              |         |
|                               |                              | 18                 | 13             |               | 21    |      | N W                  | II      |

| GRANTOR                | GRANTEE                 | KIND OF INST.  | DATE OF RECORD | DATE OF INST. | BOOK  | PAGE | DESCRIPTION OF PROP.                         | REMARKS                       |
|------------------------|-------------------------|----------------|----------------|---------------|-------|------|----------------------------------------------|-------------------------------|
| J+J Operating, LLC     | Enutroff, LLC           | Assign OGL     | 6.10.08        | 6.10.08       | 1037  | 4473 | 1037-1422 Assign                             | 5090                          |
| J+J Operating, LLC     | Coal Creek Energy, LLC  | Assign OGL     | 6-10-08        | 6-10-08       | 1037  | 4480 | 1037-1422 Assign                             | 5090                          |
| Brady, James T, et al  | James T. Brady, w/f     | J              | 5-27-10        | 5-25-10       | 1062  | 250  | E 80 Acres                                   |                               |
| J+J operating LLC      | Coal Creek Energy et al | Assign Royalty | 11-3-10        | 11-1-10       | 1067  | 5603 | Re: 1037-1422                                |                               |
| J+J operating LLC      | James G. Miller         | Assign Royalty | 11-3-10        | 11-1-10       | 1067  | 5603 | 1037-1422                                    |                               |
| J+J Operating, LLC     | Coal Creek Energy, LLC  | Assign OGL     | 12.28.10       | 1.5.11        | 1070  | 3890 | (24 Book+Pages) See document                 |                               |
| J+J Operating, LLC     | Working Interest, LLC   | Assign OGL     | 12.28.10       | 1.5.11        | 1070  | 3918 | " " " " "                                    |                               |
| J+J Operating, LLC     | Enutroff, LLC           | Assign OGL     | 12.30.10       | 1.5.11        | 1070  | 3924 | " " " " "                                    |                               |
| COAL CREEK ENERGY, LLC | WORKING INTEREST, LLC   | Assign OGL     | 12-19-11       | 12-9-11       | 1082  | 370  | 1037-1422 Assign                             |                               |
| ENUTROFF, LLC          | WORKING INTEREST, LLC   | Assign OGL     | 12-19-11       | 12-9-11       | 1082  | 383  | 1037-1422 Assign                             |                               |
| WORKING INTEREST, LLC  | IDH ENERGY, LLC         | Assign OGL     | 12-19-11       | 12-15-11      | 1082  | 396  | 1037-1422 Assign                             |                               |
| Working Interest, LLC  | Kansas Royalties, LLC   | Assign OGL     | 1.23.12        | 2.15.12       | 1083  | 5656 | 1082-396 " "                                 | 2.5090                        |
| IDH Energy, LLC        | CITIZENS Bank           | MTG            | 4-24-12        | 5-11-12       | 1086  | 5586 | 52,000,000.00 E <sup>2</sup> NW <sup>4</sup> |                               |
| IDH Energy, LLC        | CITIZENS Bank           | Assign OGL     | 4-24-12        | 5-11-12       | 1086  | 5605 | E <sup>2</sup> NW <sup>4</sup>               |                               |
| KANSAS ROYALTIES LLC   | -----                   | OGL AMEND      | 08-29-12       | 6-25-12       | 1091  | 2676 | 1083-5656 AMENDS                             |                               |
| IDH ENERGY, LLC        | CITIZENS BANK           | MOD. MTG       | 3-12-13        | 4-3-13        | 1100  | 1626 | 1086-5586 AMENDS                             |                               |
| IDH ENERGY, LLC        | CITIZENS BANK           | OGL AMEND      | 3-12-13        | 4-3-13        | 1100  | 1633 | 1086-5605 AMENDS                             |                               |
| IDH Energy, LLC        |                         | App.           | 5.21.13        | 5.28.13       | 1102  | 3890 | 1037-1422                                    |                               |
| Kansas Royalties, LLC  | IDH Energy, LLC         | Assign OGL     | 3.14.14        | 4.9.14        | 1112  | 1748 | RE: 1037-1422                                | E2                            |
| IDH Energy, LLC        | Citizens Bank           | Mod            | 7.24.15        | 7.7.15        | 1126  | 4588 | RE: 1086-5586 Extension of Mtg               | 2000,000 - Aff'd No New Money |
|                        |                         | SECTION        | TOWNSHIP       |               | RANGE |      | QUARTER                                      |                               |
|                        |                         | 18             | 13             |               | 21    |      | NW                                           | T11                           |

| GRANTOR                           | GRANTEE                          | KIND OF INST.   | DATE OF RECORD | DATE OF INST. | BOOK  | PAGE | DESCRIPTION OF PROP.                | REMARKS            |
|-----------------------------------|----------------------------------|-----------------|----------------|---------------|-------|------|-------------------------------------|--------------------|
| IDH Energy, LLC                   | Butler Petroleum, LLC            | Assign          | 4.21.16        | 5.11.16       | 1135  | 1669 | 1037-1422/398-999                   |                    |
| Citizens Bank                     | IDH Energy LLC                   | PTL Rel mtg     | 10-17-16       | 9-30-16       | 1140  | 5812 | 1106-1626 + 1126-4568               | (Butler Petroleum) |
| IDH Energy, LLC                   | Citizens Bank                    | Modif           | 12.21.16       | 1.24.17       | 1143  | 5153 | " " App No News                     |                    |
| Dearing, Donald A. etal           | Douglas County                   | ROW             | 3-28-17        | 3-29-17       | 1145  | 3027 | N 35' OF W2                         |                    |
| Dearing, Donald A. wf             |                                  | Cert. of Survey | 4.7.17         | 4.28.17       | 19    | 84   |                                     |                    |
| Dearing, Donald A. wf             | Jordan Ballock ,etal             | D               | 5.23.17        | 5.23.17       | 1147  | 1762 |                                     |                    |
| IDH Energy LLC                    | Citizens Bank                    | mod. mtg        | 5-14-18        | 3-26-18       | 1157  | 3971 | RE: 1086-5586, 1100-1626, 1126-4568 |                    |
| BALLOCK, JENNIFER                 | JORDAN BALLOCK                   | OCO             | 6-20-18        | 7-23-18       | 1160  | 1406 |                                     |                    |
| Dearing, Donald A. wf             | Sandra L. Dearing Mumaw, Trustee | D               | 10-17-18       | 10-17-18      | 1162  | 3785 | Tr additional legal                 |                    |
| BALLOCK, JORDAN                   | JORDAN BALLOCK ETAL              | D               | 8-7-20         | 8-20-20       | 1184  | 5112 |                                     |                    |
| BALLOCK, JORDAN ETAL              | MID AMERICA BANK                 | MTG             | 8-3-20         | 8-20-20       | 1184  | 5114 | \$250,000                           |                    |
| BALLOCK, JORDAN ETAL              | JORDAN BALLOCK ETAL              | D               | 4-21-21        | 5-12-21       | 1196  | 5459 |                                     |                    |
| BALLOCK, JORDAN ETAL              | MID AMERICA BANK                 | MTG             | 4-21-21        | 5-12-21       | 1196  | 5461 | \$255,000                           |                    |
| MID AMERICA BANK                  | JORDAN BALLOCK, ETAL             | REL MTG         | 5-11-21        | 5-12-21       | 1196  | 5472 | 1184-5114 REL                       |                    |
| Dickerson, John L. etal           | Sandra L. Wisdom etal            | TODD            | 8-6-21         | 8-9-21        | 1201  | 532  | Tr.                                 |                    |
| Ballock, Shelby etal              | Shelby Ballock etal              | D               | 5-23-22        | 6-22-22       | 1212  | 4024 |                                     |                    |
| Ballock, Shelby etal              | Mid America Bank                 | MTG             | 5-23-22        | 6-22-22       | 1212  | 4026 | \$50,000                            |                    |
| Mumaw, Sandra L. Dearing, trustee | Donald Ballock ,etal             | D               | 12-27-22       | 12-21-22      | 1217  | 2905 |                                     |                    |
| Ballock, Donald , etal            | Mid America Bank                 | Mtg             | 12-27-22       | 12-22-22      | 1217  | 2908 | \$360,000.00                        |                    |
| Ballock, Donald L., etal          | Kan Valley State Bank            | Mtg             | 10-17-24       | 10-16-24      | 1232  | 3409 | \$60,000-                           | Tract              |
|                                   |                                  | SECTION         | TOWNSHIP       |               | RANGE |      | QUARTER                             |                    |
|                                   |                                  | 18              | 13             |               | 21    |      | NW                                  | 19                 |

| GRANTOR                | GRANTEE                      | KIND OF INST. | DATE OF RECORD | DATE OF INST. | BOOK    | PAGE | DESCRIPTION OF PROP. | REMARKS |
|------------------------|------------------------------|---------------|----------------|---------------|---------|------|----------------------|---------|
| Ballock, Jordan, et al | Capitol Federal Savings Bank | Mtg           | 11-14-24       | 11-8-24       | 1233    | 1696 | \$100,000.00         |         |
| Mid America Bank       | Jordan Ballock, et al        | Rel Mtg       | 12-18-24       | 12-18-24      | 1234    | 22   | 1212.40.26 Rel       |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              |               |                |               |         |      |                      |         |
|                        |                              | SECTION       | TOWNSHIP       | RANGE         | QUARTER |      |                      |         |
|                        |                              | 18            | 13             | 21            | NW      |      |                      |         |

[illegible]