

ALPINE OIL #1 COOK  
NE-NW-SE 14-20<sup>s</sup>-14<sup>w</sup> BARTON COUNTY, KANSAS

|        |             |    |    |                                        |                                      |
|--------|-------------|----|----|----------------------------------------|--------------------------------------|
| 3100 - | 3130        |    |    | ls & shl no show                       |                                      |
|        | 3130 - 315  |    |    | ls w/ tr ooc stud                      |                                      |
|        | 3150 - 3200 |    |    | ls & shl no show                       |                                      |
|        | 3200 - 3250 |    |    | "                                      |                                      |
| 3250 - | 35          | 40 | 25 | 35 wh to buff lss ls                   |                                      |
|        | 60          | 45 | 25 | 30                                     |                                      |
|        | 65          | 50 | 25 | 25                                     |                                      |
|        | 70          | 50 | 20 | 30 wh to grey lss ls (TRIP?)           |                                      |
|        | 75          | 40 | 20 | 40 wh grey & brn lss ls. tr ooc no vto |                                      |
|        | 80          | 40 | 15 | 45                                     |                                      |
|        | 85          | 30 | 20 | 50                                     | some w/ sol type porosity spotal sta |
|        | 90          | 40 | 20 | 40                                     | tr                                   |
|        | 95          | 45 | 25 | 40                                     |                                      |
|        | 3300        | 35 | 15 | 50                                     | low                                  |
| 3300 - | 35          | 30 | 15 | 50                                     | tr                                   |
|        | 40          | 40 | 15 | 45                                     | tr                                   |
|        | 45          | 35 | 10 | 55 wh to tan lss & shly ls             |                                      |
|        | 50          | 35 | 10 | 50                                     | some                                 |
|        | 55          | 35 | 10 | 50                                     | tr                                   |
|        | 60          | 30 | 10 | 60                                     | low                                  |
|        | 65          | 30 | 10 | 60                                     | low (mud up?)                        |

|                        |    |    |      |                                        |                               |
|------------------------|----|----|------|----------------------------------------|-------------------------------|
| 3330-3345              | 35 | 10 | 50   | wh to tan low & chky ls                |                               |
|                        | 50 | 40 | 10   | 35 wh to brn low ls                    | 15 wh & H tan chert           |
|                        | 55 | 45 | 10   | 40 ✓                                   | 5 ✓                           |
| c 1/2 hr               | 55 | 35 | 10   | 40 ✓                                   | 5 ✓                           |
| c 1 hr                 | 55 | 30 | 10   | 50 ✓                                   | 10 ✓                          |
|                        | 60 | 30 | 15   | 50 ✓ (much cement & surface sand)      | 5 ✓                           |
|                        | 65 | 35 | 15   | 50 ✓ ( " )                             | few ✓                         |
|                        | 70 | 40 | 10   | 50 wh to tan low & chky ls ( " )       |                               |
|                        | 75 | 35 | 10   | 50 ✓ tr <sup>wh</sup> ooc no sha ( " ) | 5 ✓                           |
|                        | 85 | 50 | 10   | 40 ✓ tr ✓ ( " )                        |                               |
|                        | 90 | 50 | 10   | 40 wh, grey & brn low ls               |                               |
|                        | 95 | 55 | 10   | 35 ✓                                   |                               |
| 3400                   | 50 | 10 | 35 ✓ |                                        | 5 wh to grey chert            |
| 3400 -                 | 05 | 40 | 10   | 50 ✓                                   | few ✓                         |
|                        | 15 | 30 | 10   | 60 ✓                                   |                               |
|                        | 20 | 30 | 5    | 65 ✓                                   | few per spld str              |
|                        | 25 | 35 | 5    | 60 ✓                                   |                               |
|                        | 35 | 40 | 5    | 55 ✓                                   |                               |
|                        | 40 | 40 | 5    | 55 ✓                                   | some poor ooc porosity tr str |
|                        | 45 | 55 | 5    | 50 ✓                                   | 5 ✓                           |
|                        | 50 | 30 | 5    | 65 ✓                                   | some ✓                        |
| c 1/2 hr               | 50 | 30 | 5    | 65 ✓                                   | 5 wh ooc no sha               |
| c 1 hr                 | 50 | 35 | 5    | 50 ✓                                   | 10 ✓ barren to stud           |
|                        | 55 | 30 | 5    | 60 ✓                                   | 5 ✓                           |
|                        | 60 | 30 | 5    | 65 ✓                                   | few ✓                         |
|                        | 65 | 35 | 10   | 55 ✓                                   | few ✓                         |
|                        | 70 | 30 | 10   | 60 ✓                                   |                               |
|                        | 75 | 40 | 15   | 45 ✓ (surface sd)                      |                               |
|                        | 80 | 40 | 10   | 50 wh low ls & wh chky                 |                               |
|                        | 85 | 35 | 10   | 55 ✓                                   |                               |
|                        | 90 | 40 | 15   | 45 ✓                                   |                               |
|                        | 95 | 55 | 10   | 55 ✓                                   |                               |
| 3500                   | 45 | 15 | 40 ✓ |                                        |                               |
| 3500 - 10              | 35 | 10 | 55 ✓ | + fine pebbles                         |                               |
|                        | 15 | 35 | 20   | 45 ✓                                   | 4 ✓                           |
|                        | 20 | 35 | 25   | 40 ✓                                   | 4 ✓                           |
|                        | 25 | 40 | 35   | 25 ✓                                   | few grey & blk mottled chert  |
| No sample 3525 to T.D. |    |    |      |                                        |                               |