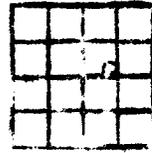


SHELL PETROLEUM CORP.  
 P. A. Koehn No. 4

SEC. 16 T. 21 R. 3W.  
 SE SW NE  
 330' SL 990' WL. AUG 31 1935

Total Depth. 3414  
 Comm. 6-5-35 Comp. 7-3-35.  
 Shot or Treated.  
 Contractor. Noble Drilling Co.  
 Issued. 8-31-35

County. McPherson.



CASING

13" 215'  
 7" 3359'

Elevation.

Figures Indicate Bottom of Formations.

Production. Pump average  
 191 B.O. no wtr on 4 day  
 Potential test.

|                        |      |   |
|------------------------|------|---|
| surface clay           | 94   | 175' oil 11 hours 3405.                   |
| sand                   | 146  | shale brown 3408                          |
| shale blue sticky      | 216  | sand and shale 3412                       |
| shale blue & shells    | 285  | shale 3414                                |
| shale and shells       | 562  | Swab 12 1/2 oil no wtr 8 hrs.             |
| broken lime            | 745  | Swab 22 1/2 oil no water 16 hours.        |
| lime                   | 825  | Swab 12 1/2 oil no water 8 hours.         |
| broken lime & shale    | 867  | plugged back 3414 to 3407                 |
| broken lime            | 906  | shale brown 3407                          |
| shale                  | 938  | plugged back 3407 to 3405.                |
| shale                  | 1330 | sand wh dense 3405                        |
| shale and shells       | 1470 | show 15 qts 3393-3405                     |
| shale                  | 1685 | cleaned out 3405- 3407                    |
| broken lime            | 1730 | shale brown 3407                          |
| shale and shells       | 1789 | Swab 20 bbls oil no water 6 hours.        |
| shale                  | 1849 | Swab 57 1/2 bbls oil and no water 17 hrs. |
| broken lime and shale  | 1927 | clean out and swab 27 1/2 bbls oil 9 hr.  |
| broken lime            | 1984 | plugged back 3407 to 3405.                |
| lime                   | 2116 | Swab 37 1/2 bbls 13 hours.                |
| shale                  | 2136 | Swab 36 bbls oil no water 18 hours.       |
| sdv lime               | 2266 | sand white dense. 3405                    |
| sdv shale              | 2295 | shot 40 qts 3394 1/2 3405                 |
| sand                   | 2320 | Swab 7 1/2 bbls oil 6 hours.              |
| shale                  | 2388 | 3405-3407 cleaned out.                    |
| lime                   | 2507 | shale brown 3407                          |
| broken lime & shale    | 2588 | Swab 37 1/2 bbls oil 10 hours.            |
| lime                   | 2615 | 3407-3414 cleaned out                     |
| shale                  | 2645 | shale 3414                                |
| sdv lime hard          | 2656 | Swab 52 1/2 bbls oil 8 hrs.               |
| broken lime and shale  | 2694 | Total Depth.                              |
| lime                   | 2773 | 7-14-35. Swab 75 bbls oil and no          |
| lime                   | 2811 | water 18 hours.                           |
| broken lime & shale    | 2893 | 7-15-35. cleaned out 10' sand to          |
| shale and shells       | 2926 | bottom. Swab 6 hours no gauge.            |
| shale                  | 3011 | 7-17-35 Swab 90 bbls oil and no           |
| chat                   | 3045 | water 16 hours.                           |
| chat and lime          | 3099 | 7-18-35 Swab 35 bbls oil 11 hours.        |
| shale and shells       | 3133 | 7-25-35 Pump 65 bbls oil and no           |
| shale SLM 3275         | 3265 | water 15 hours.                           |
| lime                   | 3280 | 7-29-35. Pump 135 bbls oil and no         |
| shale and shells       | 3309 | water 18 hours potential.                 |
| shale                  | 3356 | 7-30-35. Pump 175 bbls oil and no         |
| lime                   | 3359 | water 24 hours potential.                 |
| standardizing.         |      | 7-31-35. Pump 205 bbls oil and no         |
| lime                   | 3379 | water 24 hours on potential.              |
| shale green            | 3387 | 8-1-35. Pump 180 bbls oil and no          |
| sand white dense       | 3393 | water 24 hours.                           |
| 1st show free oil 3391 |      | 8-2-35. Pump 130 bbls oil no water        |
| 1st show gas 3391      |      | 18 hours.                                 |
| No log                 | 3394 |   |
| 40' oil 1 hr 3394.     |      |   |
| sand wh dense          | 3397 |   |
| 100' oil 4 hrs 3397    |      |   |
| sand white dense       | 3401 |   |
| 125' oil 8 hours 3401  |      |   |
| sand wh dense          | 3405 |   |

3099  
 3011  
 3356  
 3099  
 259