

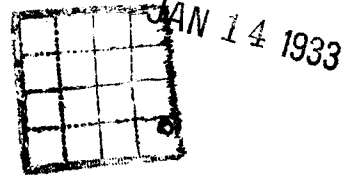
Location. NEc SE SE

## Casing Record.

10" Farm. Stoltenberg  
 20" 8" Company. Derby Oil Co.  
 15 1/8" 65/8" 3318 Contr. McPherson Drlg Co.  
 12 1/8" 226 53/16" Comm. 9-1-32  
 Total Depth. 3362 Shot 40 Quarts Between. 3325-47  
 Correspondence Regarding This Well Should Be Referred To.

County. Ellsworth.

No. 1



Elevation. 1802

Figures Indicate Bottom of Formations.

Date Issued. 1-14-33

Initial Production.

pump 25 P.O. 30 P.Wtr. 24 Hr.

| Formation        | Depth. | Formation             | Depth.   | Formation                            | Depth. |
|------------------|--------|-----------------------|----------|--------------------------------------|--------|
| surface          | 30     | lime                  | 2365     | 3336-350' of oil                     |        |
| sand             | 47     | shale                 | 2395     | 3340 475' of oil                     |        |
| lime             | 50     | broken lime           | 2410     | 3342 1/2 500' of oil                 |        |
| sand             | 100    | shale                 | 2460     | 3352 800' of oil                     |        |
| sdv shale        | 115    | broken lime           | 2475     | 3356 1000' of oil                    |        |
| sand             | 155    | shale                 | 2490     | 3359 no increase.                    |        |
| sand shells&clay | 193    | lime                  | 2505     | 3362 water                           |        |
| shale            | 226    | SLM at 2476 OK.       |          | plugged back to 3349 with 150 lb     |        |
| shale & red rock | 390    | shale                 | 2535     | lead wool.                           |        |
| lime             | 405    | broken lime           | 2545     | Plugged back 3347 with "rock.        |        |
| red rock         | 425    | shale                 | 2565     | SHOT RECORD.                         |        |
| broken lime      | 450    | broken lime           | 2570     | SHOT with 40 qts 3325-47             |        |
| lime             | 465    | shale                 | 2585     | shot loaded 1-2 1/2 container        |        |
| broken lime      | 515    | broken lime           | 2595     | of oakum 2-2 1/2 containers of       |        |
| shale            | 550    | shale                 | 2650     | rock. and 1 yd of sand.              |        |
| red rock         | 575    | broken lime           | 2695     | 1600' of oil after shot in           |        |
| shale            | 615    | lime                  | 2800     | 10 Min.                              |        |
| lime             | 625    | broken lime           | 2820     |                                      |        |
| shale            | 640    | Lost circulation at   | 2820     | Acid bottles                         |        |
| lime             | 675    | lime                  | 2885     | 500' 3/4 degree                      |        |
| red rock         | 700    | shale                 | 2895     | 1000' 1/2 degree.                    |        |
| broken lime      | 735    | lime                  | 2900     | 1500' 1 1/2 degree                   |        |
| red rock         | 780    | shale                 | 2910     | 2000' 1/4 degree                     |        |
| shale            | 830    | broken lime           | 2915     | 2500' 13/4 degree.                   |        |
| red rock         | 865    | lime                  | 2925     | 3000' 23/4 degree.                   |        |
| shale            | 925    | shale                 | 2962     | Coring record.                       |        |
| salt and shale   | 950    | lime                  | 2970     | 3107 1/2 - 3118 8' recovery O. litic |        |
| red rock         | 980    | shale                 | 2993     | lime carrying salt water             |        |
| shale            | 1020   | lime                  | 3038     | 3310-18. 4' recovery Top 1'          |        |
| salt and shale   | 1340   | lime very soft        | 3048     | conglomerate cemented with           |        |
| broken lime      | 1390   | good sh oil           |          | lime 3' variegated and green         |        |
| red rock         | 1405   | lime                  | 3079     | shale bottom 2" crushed sand         |        |
| broken lime      | 1420   | shale                 | 3092     | and dolomite.                        |        |
| shale            | 1430   | lime                  | 3107 1/2 | 3318-27 5 1/2 rec.                   |        |
| broken lime      | 1515   | lime soft             | 3118     | 3318-19 1/2 dolomite tight           |        |
| lime             | 1545   | Cored salt water.     |          | slightly saturated 1" blk            |        |
| shale            | 1560   | sdv lime              | 3123     | chert good saturation.               |        |
| broken lime      | 1585   | lime                  | 3280     | 3319 1/2-22 green shale conglomerate |        |
| shale            | 1625   | shale                 | 3285     | in places.                           |        |
| broken lime      | 1685   | lime                  | 3300     | 3322-23 1/2 dolomite saturated.      |        |
| shale            | 1700   | conglomerate          | 3310     | best pay.                            |        |
| broken lime      | 1785   | Cored                 |          |                                      |        |
| lime             | 1800   | conglomerate          | 3311     |                                      |        |
| shale            | 1815   | Var. shale            | 3313     |                                      |        |
| broken lime      | 1870   | shale green           | 3317     |                                      |        |
| broken lime      | 1900   | Siliceous lime        | 3327     |                                      |        |
| shale            | 1910   | 3327 equals 3327 1/2  |          |                                      |        |
| broken lime      | 1980   | Rotary completed sept |          |                                      |        |
| red rock         | 1995   | 17, 1932.             |          |                                      |        |
| lime             | 2010   | Standardized          |          |                                      |        |
| shale            | 2060   | lime                  | 3331     |                                      |        |
| sdv shale        | 2125   | showing of oil        |          |                                      |        |
| broken lime      | 2155   | lime hard             | 3337     |                                      |        |
| shale            | 2180   | lime med              | 3340     |                                      |        |
| lime             | 2190   | lime soft             | 3341     |                                      |        |
| shale            | 2205   | lime soft with smdl   |          |                                      |        |
| broken lime      | 2230   | green break           | 3342 1/2 |                                      |        |
| shale            | 2280   | lime soft             | 3350     |                                      |        |
| broken lime      | 2290   | lime hard             | 3352     |                                      |        |
| red rock         | 2305   | lime med              | 3353     |                                      |        |
| shale            | 2350   | lime hard             | 3362 TD. |                                      |        |