

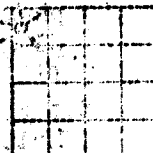
Company - J. M. HUBER CORP.  
Farm - Skinner No. 1.

SEC. 17 T. 31 R. 14 W  
CWL NW NW

DISCOVERY WELL

Total Depth. 4627'  
Comm. 1-14-44 Comp. 4-5-44  
Shot or Treated.  
Contractor. J.M. Huber Corp.  
Issued. 4-22-44 Rotary

County. Barber  
KANSAS



CASING:  
10 3/4" 283' Cem.  
8 5/8" 1083' Cem.  
5 1/2" 4695' Cem.

Elevation. \_\_\_\_\_  
Production. 34,567,000 G.

Figures Indicate Bottom of Formations.

|                      |      |                                                                                                                                                                       |
|----------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| surface clay & shale | 50   | Cored 3875-85, no rec. (piece of Halliburton cement plug lodged in core barrel)                                                                                       |
| shale & shells       | 190  | D.S.T. 3866-85 open 1 hr; rec. 130' mud 390' salt wtr                                                                                                                 |
| shale red & shells   | 225  | D.S.T. 4228-46 Packer did not hold                                                                                                                                    |
| sand                 | 235  | D.S.T. 4218-46 Packer did not hold                                                                                                                                    |
| shale & red beds     | 340  | Cored 4392-4403 rec. 10' 6"; 5' 0" dolomite, porous & stained, 5' 6" limestone, coarse crystalline, no stain                                                          |
| red beds & shells    | 470  | D.S.T. 4390-4403 open 20 minutes; recovered gas in 4 minutes 60' oil & gas cut mud                                                                                    |
| shale & shells       | 940  | Cored 4424-30 rec. 4' 6" cherty fine xlyn dolo., spotted staining                                                                                                     |
| shale & lime shells  | 1080 | D.S.T. 4417-30 open 30 min., rec. 40' drlg mud, slightly oil cut.                                                                                                     |
| shale & shells       | 1705 | Cored 4600-13, rec. 9' 0"; 4' 0" shale green pyritic; 3' 0" dolo., very sdy non-porous, 2' 0" dolomite fine-dense conglomeratic, slight cavernous poro., bleeding oil |
| anhydrite            | 1723 | Cored 4613-27 T.D., rec. 3' 0": 1' 6" dolo. brown dense, rare spots porosity, no shows, 1' 0" dolo. lgt gy sdy, 0' 4" sand wh quartzitic, 0' 2" dolo. med xlyn        |
| lime & shale         | 1750 | Ran Lane-Wells Radio-activity Log-went to 4628                                                                                                                        |
| shale & salt         | 1795 | Tops:                                                                                                                                                                 |
| shells & shale       | 1816 | Topeka                                                                                                                                                                |
| lime brkn            | 1830 | 2985                                                                                                                                                                  |
| lime & gypsum        | 1859 | 3096-3108 porous lime, no stain                                                                                                                                       |
| lime                 | 1915 | 3234-53 porous lime, no stain                                                                                                                                         |
| lime & shale         | 2132 | 3310-15 porous lime, possible lgt stain                                                                                                                               |
| lime                 | 2142 | 3397-3408 porous lime, no stain                                                                                                                                       |
| shale, lime, shells  | 2185 | 3430-37 porous lime, possible lgt stain                                                                                                                               |
| lime                 | 2235 | 3515-27 porous lime, no stain                                                                                                                                         |
| lime & shale         | 2290 | 3530-63 porous lime, no stain                                                                                                                                         |
| shale                | 2330 | 3604 (3616-26 porous lime, sh gas)                                                                                                                                    |
| shale & lime         | 2345 | 3655 (3805-10 porous, lime, slight stain)                                                                                                                             |
| lime                 | 2395 | 3781 (3836-47 slight porous lime, faint staining)                                                                                                                     |
| lime & shale         | 2618 | 3868-80 porous lime, lgt. staining                                                                                                                                    |
| shale blk            | 2640 | 3929-50 porous lime, no stain                                                                                                                                         |
| lime                 | 2670 | 4095-4102 porous lime, sm sh gas                                                                                                                                      |
| shale & lime         | 2805 | 4162                                                                                                                                                                  |
| shale                | 2835 | 4230-42 sli. por. lime, rare spots bleeding oil                                                                                                                       |
| lime                 | 2845 | 4285                                                                                                                                                                  |
| lime & shale         | 2988 | 4351                                                                                                                                                                  |
| lime                 | 3484 | 4351-90 per. dolo., no odor or staining                                                                                                                               |
| lime & shale         | 3518 | 4390-97 por. dolo., oil & gas saturation                                                                                                                              |
| lime                 | 3599 | 4397 (4417-30 cherty dolo., low porosity, spotted lgt staining)                                                                                                       |
| lime & shale         | 3615 | 4417                                                                                                                                                                  |
| lime, show of gas    | 3626 | 4494                                                                                                                                                                  |
| lime                 | 3659 | 4505-10 sand, low por., lgt stain                                                                                                                                     |
| shaley sand          | 3720 | 4536-39 sand, low por., lgt stain                                                                                                                                     |
| shale & lime         | 3804 | 4609                                                                                                                                                                  |
| lime                 | 4098 | (OVER)                                                                                                                                                                |
| lime & chert         | 4118 |                                                                                                                                                                       |
| lime                 | 4246 |                                                                                                                                                                       |
| lime & shale         | 4295 |                                                                                                                                                                       |
| lime & chert         | 4298 |                                                                                                                                                                       |
| shale & lime         | 4382 |                                                                                                                                                                       |
| lime                 | 4403 |                                                                                                                                                                       |
| lime & chert         | 4430 |                                                                                                                                                                       |
| lime                 | 4460 |                                                                                                                                                                       |
| lime & chert         | 4512 |                                                                                                                                                                       |
| shale                | 4522 |                                                                                                                                                                       |
| sand & shale         | 4531 |                                                                                                                                                                       |
| sand & lime          | 4539 |                                                                                                                                                                       |
| shale & sand         | 4580 |                                                                                                                                                                       |
| shale & lime         | 4613 |                                                                                                                                                                       |
| lime                 | 4627 |                                                                                                                                                                       |
| Total Depth.         |      |                                                                                                                                                                       |

J.M. Huber Corp. #1 Skinner  
 CWT NW of Sec. 17-31-14W  
 (Discovery Well)

Drld cement plug & cleaned out to 4627,  
 total depth. Filled up 3800' of sul-  
 phur wtr in 1 hr. Set Lane-Wells  
 plug 4527, perf. 3 holes 4505-06,  
 filled up 3200' of salt wtr in 1 hr.

Set a Lane-Wells plug 4487, perf. 64  
 holes 4416-30, no shows.

Treated w/250 Gals. Acid

Bailed 10 gals. oil per hr

Reacidized w/700 gals.

Swbd 1 BO & 1 BWPH for 5 hrs, then swbd  
 $\frac{1}{2}$  BO & 5 BWPH.

Set Lane-Wells plug at 4401, perf. 11  
 holes 4394 $\frac{1}{2}$ -99 no shows

Treated w/250 Gals. acid

Perf. 23 holes 4392-97, no shows

Treated w/250 gals. acid

Swbd off 1500' of load, hole cleaned  
 self & gauged 4 $\frac{1}{2}$  to 5 mil. cu ft gas-  
 slightly wet

Squeezed off perforations 4392-99

Perf. 40 holes 4356-74, gauged 7 mil. gas  
 natural

Treated w/1000 Gals. Acid, gauged 57 mil.  
 cu ft gas. Shut in.

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