

*Plotted
E.M.*

Plotted Texas CO.

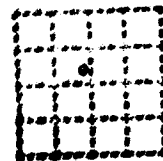
DARBY PETRO. CORP.
Dreiling No. 1.

SEC. 28 T. 13 R. 17W
NE SE SE NW
165' WL 440' NL SE $\frac{1}{4}$ NW $\frac{1}{4}$

DISCOVERY WELL

County. Ellis

Total Depth. 3626'
Comm. 7-7-41 Comp. 8-30-41
Shot or Treated.
Contractor.
Issued. 9-20-41



CASING:
10" 1203'
7" 3521' Ctd.

Elevation.

Production. Pot. 352 B. Phy.
144 BW

Figures Indicate Bottom of Formations .

| | | |
|-------------------|------|-------------------------------|
| shale & shells | 510 | Swb down - SSO - Bail 1BW |
| sand & shale | 625 | & 1 1/2 Gal. oil w/SSG |
| shale & shells | 1200 | 1000 Gals. Acid-Tested 2 2/3 |
| anhydrite | 1239 | Bbls fluid per hr - 1/6th |
| shale | 1635 | oil |
| shale & shells | 1845 | Squeezed off above perfora- |
| lime & shale | 1965 | tions w/50 sacks of cement |
| shale | 2100 | Drlg. cement-rainbow sh 3547- |
| lime | 2175 | SFO & 1 BWPH at 3616 - 2BW |
| lime & shale | 2260 | PH at 3626 T.D. |
| lime | 2320 | Set Lane-Wells plug at 3400' |
| lime & shale | 2385 | Perf. 12 shots 3345-50 |
| shale & brkn lime | 2500 | show oily mud |
| shale & lime | 2590 | Perf. 12 shots 3346-51 |
| shale | 2770 | show oily mud |
| shale & lime | 2965 | Perf. 36 shots 3348-51 |
| lime | 2975 | bailed 1 bbl. fluid - |
| lime & shale | 3050 | mostly oil/3 hrs |
| lime | 3515 | 1000 Gals. Acid w/wtr load - |
| shale & lime | 3529 | swbd load & filled up |
| cherty lime | 3546 | 1650' fluid; 300' of which |
| lime | 3626 | is wtr in 5 hrs. - T.F.U. |
| Total Depth. | | 1860' fluid 450' wtr. - |
| | | Pumped 272 BO & 136 BW/31 |
| | | hrs. |

Tops: Topeka 3011 DFM
Lansing 3259 DFM
Conglomerate 3506 DFM
Arbuckle 3521 DFM

Set Lane-Wells plug 3338 -
did not completely hold -
Perf. 60 shots 3312 1/2 - 20
1000 Gals. Acid - bailed 1 1/2
BFPH - drld out Lane-Wells
plug. Took potential from
both zones.

RUST @ 3534 Ctd. - Porous &
saturated 3268-69
good porosity & sat. 3285-92
spotted good porosity &
saturation 3315-18

Cored 3318-29 rec 7'
top 29" spotted sat. in
dense lime
20" shale blk
14" hd pyritic dense
lime, no shows
18" gy limey foss. shale
6" dense lime-no shows
spotted to good porosity &
saturation in oolitic lime
3348-51
spotted to poor saturation
& good porosity 3353-58
Cored 3507 1/2 - 13 rec 4'
all cherty conglomerate
Cored 3527-34 rec 6"
dense dolo. w/spotted sat.
Perf. 72 holes 3285-94
SS of oily mud-load hole
w/700' wtr to wash over
perforations
Swb down - no shows
500 Gals. Acid w/HFW load -
took acid under pressure
in 49 min.