

Good Prints

Cities Service Oil Co. #1 Reese "E"
330' N. & 330' E. of S/4 Cor. 28-5-20W
Phillips County, Kansas EIV. 2163

28-5s-20w

#1 Reese "E"

Description by H. W. McAllen.

- 3000 - 3010 1 Shale, red and greenish-grey.
- 3010 - 3020 1 Limestone, tan to cream, finely crystalline, fossiliferous.
- 3020 - 3040 2 Shale, red and greenish-grey.
- 3040 - 3060 2 Limestone, tan to grey, finely crystalline.
- 3060 - 3070 1 Shale, red.
- 3070 - 3080 1 Limestone, white to cream, finely crystalline, slightly fossiliferous.
- 3080 - 3100 2 Shale, red and dark grey.
- 3100 - 3130 3 Limestone, grey to tan, finely crystalline, fossiliferous. Top Topoka 3100.
- 3130 - 3140 1 Ditto, with much chert, white, opaque.
- 3140 - 3170 3 Limestone, tan to cream, finely crystalline, slightly fossiliferous.
- 3170 - 3190 2 Shale, grey.
- 3190 - 3210 2 Limestone, tan to white, finely crystalline.
- 3210 - 3220 1 Ditto, slightly fossiliferous.
- 3220 - 3240 2 Limestone, tan to white, finely crystalline, slightly fossiliferous; chert, white to buff, opaque.
- 3240 - 3260 2 Limestone, cream to white, soft, fossiliferous, finely crystalline.
- 3260 - 3270 1 Shale, black bituminous.
- 3270 - 3280 1 Limestone, tan, finely crystalline; shale, red.
- 3280 - 3290 1 Shale, red, 50%; limestone, tan to grey, finely crystalline with much chert, white, translucent to opaque. Top Lansing 3270 (Time Log and Samples).
- 3290 - 3300 1 Limestone as above.
- 3300 - 3310 1 Limestone, white to tan, finely crystalline, fossiliferous.
- 3310 - 3330 1 Ditto, with little chert, white, translucent to opaque.
- 3330 - 3340 1 Limestone, white to cream, finely crystalline, slightly fossiliferous, with 5% having fair porosity and light stain.
- 3340 - 3360 2 Limestone, tan to grey, finely crystalline, slightly fossiliferous.
- 3360 - 3370 1 Limestone, white to light tan, finely crystalline, slightly fossiliferous; much chert, white, opaque.
- 3370 - 3380 1 Ditto with trace fair porosity and light stain.
- 3380 - 3390 1 Limestone, dolomitic, medium crystalline, fair porosity and light saturation.
- 3390 - 3410 2 Limestone, white, finely crystalline; slightly cherty.
- 3410 - 3430 2 Shale, red and greenish-grey.
- 3430 - 3450 2 Limestone, white, finely crystalline, cherty; trace oil staining.
- 3450 - 3470 2 Ditto, no stain.
- 3470 - 3490 2 Limestone, white, finely crystalline, slightly fossiliferous.
- 3490 - 3500 1 Shale, greenish-grey and red, sandy.
- 3500 - 3510 2 Limestone, white, finely crystalline.
- 3510 - 3520 2 Shale, red and greenish-grey, gritty.

Core #1, 3520-28, rec. 2'

3520 - 3528

Shale, red.

3528 - 3535
3535

- 1 Shale, red and greenish-grey.
- Circ. 1 1/2 hrs. Ditto with trace limestone, white, finely crystalline, with embedded sand grains.

Core #2, 3535-41, rec. 0

3541

3541 - 3546
3546

- Circ. 1 1/2 hrs. Shale, greenish-grey.
- 1 Shale, bright red (cavings).
- Circ. 1 1/2 hrs. Sand, fine grained, soft, good porosity and saturation; trace chert, white, opaque. Top Gorham 3543. = 3541 S.L.M.

3546 - 3551	1	Cavings.
3551		Circ. 1½ hrs. Sand, poorly assorted, soft, fair porosity and saturation; trace chert, white, opaque.
3551 - 3556	1	Cavings.
3556		Circ. 1½ hrs. Sand, poorly assorted, soft, poor porosity and light stain; trace dolomite, white, coarsely crystalline. <u>Top Arbuckle 3551. = 3551 SLM.</u>
3556 - 3561	1	Cavings.
3561		Circ. 1½ hrs. Dolomite, white, coarsely crystalline, sandy, fair porosity and poor saturation.
3561 - 3566	1	Cavings.
3566		Circ. 1½ hrs. Dolomite, white, coarsely crystalline, glauconitic, sandy, with good porosity and saturation in 50%.
3566 - 3571	1	Cavings.
3571		Circ. 1½ hrs. Dolomite, white, coarsely crystalline, glauconitic, very sandy with good porosity and saturation in 25%.
3571 - 3576	1	Cavings.
3576		Circ. 1½ hrs. Dolomite, white, coarsely crystalline, glauconitic, very sandy, with good porosity and saturation in 10%.
3576 - 3581	1	Cavings.
3581		Circ. 1½ hrs. Sand, poorly assorted, coarse to fine, good porosity and saturation. <u>Top Reagan 3576. = 3574 SLM.</u>
3581 - 3586	1	Cavings.
3586		Circ. 1½ hrs. Sand, loose, medium grained, poor porosity and poor to no saturation.
3586 - 3591	1	Cavings.
3591		Circ. 1½ hrs. Sand, fine grained, good porosity and saturation.
3591 - 3596	1	Cavings.
3596		Circ. 1½ hrs. Sand, fine grained, good porosity and saturation.
3596 - 3601	1	Cavings.
3601		Circ. 1½ hrs. Shale, light green, pasty; trace mica schist.
3601 - 3606	1	Cavings.
3606		Circ. 1½ hrs. Schist, talc, greenish-grey.
3606 - 3611	1	Cavings.
3611 - 3626	3	Shale, greenish-grey.
3611 - 3636	2	Shale, dark red to dark green.
3636 - 3641	1	Shale, soft, red.
3641 - 3646	1	Talc, white, pyritic, soft, sandy.
3646 - 3690	10	Feldspar and quartz, biotite, weathered.
3690 - 3692½		Ditto, fresh. <u>Top Solid Granite 3690. = 3688 SLM.</u>

Total Depth 3692½.

C.S.O. #1 Reese "E"
SW SW SE Sec. 28-5-20W
Phillips County, Kansas.
El. 2163

Topeka 3100 (-947). Lansing 3270 (-1107). 3328-32 limestone, fossiliferous, fair porosity light stain. 3373-77 limestone, dolomitic, crystalline, fair porosity, light saturation. Cored 3520-28 recovered 2' shale, red. Cored 3535-41 no recovery; circulated sample - shale, green, soft. Gorham sand 3543 (-1380). 3543-46 sand, fine grained, soft, good porosity and saturation; trace white chert. 3546-51 sand, fine to coarse, soft, fair porosity and saturation; trace white chert. 3551-53 ditto, poor porosity and light saturation. Arbuckle 3553 (-1390). 3553-61 dolomite, sandy, fair porosity and light saturation. 3561-66 dolomite, glauconitic, sandy, 50% good porosity and saturation. 3566-71 dolomite, glauconitic, very sandy, 25% good porosity and saturation. 3571-76 ditto, 10% good porosity and saturation. Reagan 3576 (-1413). 3576-81 sand, fine to coarse, good porosity and saturation. 3581-86 sand, medium grained, poor porosity and light to no saturation. 3586-97 sand, fine, good porosity and saturation. 3597-3612 mica and talc schist. 3612-19 shale, red and green. 3619-30 shale, red, soft, Granite Wash 3630 (-1467). *Rotary T.D. 3692½. Ran Schlumberger. 7" casing cemented at 3692½ with 100 sacks. Waiting on cement. *Granite 3690(-1527)

R.L.M. 16/29/42.

3292½ rotary T.D. = 3292½ S. L. M. 7" casing cemented at 3292 with 100 sacks. Perforated 6 shots 3570-75; 3570 dolomite, sandy, glauconitic, light stain; 3571 ditto; 3572 and 3573 glauconite, 98%; dolomite 2"; 3574 and 3575 sand, coarse, good saturation; 200' fluid in 1/4 hour. Top Reagan 3574 (-1411). 9 shots 3574-78 no samples; 385' fluid in 1/2 hour (fillup 185' in 1/4 hour). 10 shots 3574-78 no samples; 900' fluid in 1 hr. (fillup 515' in 1/2 hour); 1600' fluid (1 bailer water off bottom) in 1½ hrs. (fillup 700' in 1/2 hour); 2100' fluid (3½ bailers fresh water) in 2½ hours (fillup 500' in 1 hr); 2450' oil in 3½ hrs. (fillup 350' in 1 hour); 2650' oil (water exhausted) in 4½ hours (fillup 200' in 1 hour). Waiting on tanks.

Corrections: Top Gorham 3541 (-1378); Arbuckle 3551 (-1388); Reagan 3574 (-1411). On corrected top Reagan #1 Reese "E" is 14' lower than #4 Vehige.

R.L.M. 11/5/42.

Waiting on tanks.

R.L.M. 11/12/42.

Waiting on tanks.

R.L.M. 11/19/42.

Building tanks.

R.L.M. 11/25/42.

Depthograph potential: 1629 oil, no water.

R.L.M. 12/3/42.