STATE Kansas	COMPANY Cities Service
COUNTY Norton	FARM Johnson 'E' WELL NO. 1
BLOCK	SURVEY
SEC. 35	
T. 4S R. 23W	TOTAL DEPTH
	COMMENCED
	COMPLETED
ALTITUDE	REMARKS NE-SE-NE
PRODUCTION	

CASING RECORD

SHOT QUARTS BETWEEN

FORM 186 - In stock and for sale by Mid-West Prtg. Co., Tulsa

Samples start 210'

100
200
dull gray, slightly mottled, calcareous sh + marl
80 lt. gray, mottled chalk & chalky lst.
300
40 gray, chalk + marl
400
00 white chalk + chalky lst.
65 gray, sandy, chalk and mar
90 med. to dk. gray, soft, flaky calcareous sh.
500
600
40 gray, mottled Marl + calc. sh.
700
20 abundant Inoceramus fragments
30 gray, flakey, calcareous sh.
30 gray, mottled marl + calc. sh
80 pale bluish-green, bentonitic sh.
90 gray chalk + marl
800
00 gray, flakey sh. variegated and bentonitic in part.
35 black sh.
40 variegated sandy sh. + argillite
900
DAKOTA GROUP 920
20 gray, med. grained angular, friable sst.
40 "buckshot concretions"
70 brn. sh. + brn. sideritic concretions
80 ~~"buckshot concretions" as above~~
1000
sst. is med. to coarse grained vg. sh. streaks in part
70 gray, f.g. angular, tight calc. sst
80 gray, flakey sh. brn. streaks
1100
40 gray, f.g. sub angular, micaceous sst
50 gray, friable, coarse, angular to rounded, more or less pyritic sst.
1200
vg. sh. streaks
1300
00 gray, dse. lst. intercalated vg. sh. sandy in part
1400
20 vg. sandy sh.
50 gray, friable, f. to co. rounded, frosted sst.
1500
PERMIAN RED BEDS 1520
20 Red + brown sh. interbedded with pinkish, med. grained, rounded, polished sst.
1600
30 Reddish-brown, sandy sh.
60 bright red micro-arenaceous sh.
1700
1800
CIMARRON ANHYDRITE 1870
40 white to gray anhydrite.
1900
10 Red + brn. sh. Intercalated anhydrite
2000
20 Variegated sh. Streaks anhydrite
40 gray anhydrite.
80 vg. sh. Streaks anhydrite.
2100
2200
90 gray, sandy sh.
2300
66 gray, dse. dolomite
70 vg. sh.
2400
50 cream to white, dse. to finely sucrose dol.
70 tan, sucrose dolomite
93 vg. sh.
2500
40 cream to tan, sucrose dolomite
75 vg. sh. with thin beds cream sucrose dolomite.
2600
85 cream, sucrose dolomite
90
2700
02 same
12
20 gray-buff, sucrose dol.
32 vg. sh.
50 gray, f.xln. fossilif. lst.
60 vg. sh.
2800
20 gray, f.xln. fossilif. lst.
30 vg. sh.
42 gray f.xln. lst.
52 vg. sh
85 cream, dse. to f.xln. fusulinidal lst
00 vg. sh.
2900
gray, f.xln. cherty lst.
11 vg. sh
15 cream, dse. lst.
20 vg. sh.
42 cream, f.xln. lst.
52
60 vg. sh
cream to gray, dse to f.xln. fos. lst.
77
vg. sh
3000
05 cream f.xln. oolitic lst.
10 vg. sh.
20 gray, f.xln. lst.
30 vg. sh.
50 gray, f.xln. lst.
62 vg. sh. TOPEKA 3084
84 gray f.xln. fossilif. lst.
3100
05 vg. sh.
10 cream, dse. to f.xln. lst.
35 vg. sh.
40 cream to tan f. granular slight. dol. lst
63
70 cream to gray, dse. to f.xln. lst.
3200
10
12 cream, dse. to f.xln. cherty lst.
40 vg. sh
50 wh. dse. to f.xln. lst.
85 vg. sh. interbedded with cream dse. lst.
3300
~~LANSING~~
43 cream, f.xln. cherty lst finely vesicular + partly porous, fusulinids
LANSING 3405
90 vg. sh.
3400
05 cream f.xln. partly oocastic + slightly oil-stained in spots
31 cream, dse. to f.xln. cherty lst.
70 oocastic + slightly oil-stained
72 cream, f.xln. cherty lst
3500
00
08 cream, dse. to f.xln. lst. cherty in part
45
50 cream, f.xln. oocastic lst. slightly oil-stained in spots.
63
65 cream, f.xln. lst. interbedded with vg. sh
85 cream to gray f.xln. lst.
3600
cream, oolicastic, slightly oil-stained lst.
25 red + gray sh
28 cream, f.xln. lst. interbedded with red and gray sh.
cream, fine xln. lst. with imbedded fine to coarse irregular sand grains.
80
88 Streaks sandy lst. as above in red + gray sh.
3700
BASAL PALEOZOIC SST. 3705
05 white, med to very coarse, angular to imperfectly rounded sst. partly frosted. pyritic
25 sst. as above but with included kaolinized feldspar pyritic
45 pre Camb. Granite 3745
Fresh-looking quartz, pink feldspar + biotite Mica.
55
TD. 3765 D+A
3800
Clint: Scout Tops omit Granite but when the cuttings show Fresh-looking quartz, felelspar & biotite one must assume that it is
3900
Granite in place. So-called Granite Wash appears to be just arkosic-Reagan Sst.
000