

Company Max B. Miller & Co., Inc.

Farm Bevins S No. x24 (Input)

Total Depth 319'

Sec. 19 T. 30 R. 22

Comm. 4-3-38

Comp. 4-13-38

Loc. 320' from N line  
0' from W line  
SW $\frac{1}{4}$ - NE $\frac{1}{4}$  of Sec. 19

County Crawford

Elevation 913.7'

Production

Figures Indicate Bottom of Formation

Sub soil	0	2	2
Clay	2	7	5
Boulders & clay	7	10	3
Light shale	10	25	15
Sandy shale	25	40	15
Light shale	40	81	41
Medium dark lime	81	98	17
Black shale	98	103	5
Dark lime	103	117	14
Black shale	117	122	5
Light shale	122	205	83
Black shale	205	211	6
Soft light shale	211	220	9
Hard lime	220	225	5
Soft light shale	225	235	10
Soft black shale	235	245	10
Soft light shale	245	281	36

Correlation of x24 (Input Core) South Bevins Farm

Shale	281'	287'
Light sand, low saturation, slightly micaceous, low to medium permeability.	287	290 6"
Shale and broken sand, low to no permeability	290 6	292
Fairly clean sand, low to medium saturation, medium to high permeability, light sand, with mica, soft.	292	295
Same sand with lignite and shale laminations medium to low permeability.	295	297
Very broken sand and shale	297	299
Light sand, with some shale laminations, medium to low permeability, good saturation.	299	300
Broken sand and shale, some saturation in sand, low permeability; a light sand.	300	302
Light sand, fair saturation, very occasional streak of shale, medium to low perm.	302	305
Broken sand and shale	305	307 6
Brown sand, fairly hard occasional bits of mica and lignite, light saturation. Medium low perm.	307 6	310 6

19-30-22E

Correlation of x24 (Input Core) South Bevins Farm (Continued)

Shale and carboniferous shale, very soft.	310'	6"	311'
Light, low saturation, micaecous sand, low perm.			
	311		312
Broken sand and shale	312		314 6
Hard dark sand (conglomerate), low perm.	314	6	316
Broken sand and shale, low permeability and saturation.	316		319

Casing

126'            6 5/8"  
 320            2

Shot or Treated

4-21-38 60qts Gelatine 294' to 317' Shells 5" x 24' Elc. bomb  
 Well was not shot 304' to 307'

Plug Back Record

4-26-38 Straight cement 320' to 317'. Cement placed in bottom of well with dump bailer.

Packers

Rag packer set at 294'. 5 2/3 sacks cement pumped on packer. Well previously filled with water to assure equilibrium.

Clean-Out Record

4-22-38 to 4-26-38 Both bailer and tools used. Well thoroughly washed and cleaned.

After coring a Robinson Anchor Pumping Packer was set at 285', and turn buckled down. Rate of intake was 14 bbls. in 42 hours. at full line pressure. Packer was pulled and well was shot. Had cave in below drive pipe, boulder was shattered with three sticks of dynamite.

Shot did not come out. Less than the usual amount of tamping was used, but so much shale in the sand left the shot pressure penetrate further horizontally.