5-32-23E

Company Reynolds Drilling Co.

Farm Pittsburg and Midway Coal Mining Co. Mine No. 15

Total Depth 1014' Sec. 5 T. 32S R. 23E

Comm. 6-17-32 Comp. 7-24-32 Loc. SE¼ of Sec. 5

Casing County Cherokee, Ks.

31' of 12" Pipe Elevation

387' of 8" wrought iron pipe. Production

Figures Indicate Bottom of Formation

Soil and clay	0		20
Blue shale (31' of 12" conductor set)	20		32
Coal	32		33 8"
Gray shale	33 8"		55
Blue shale	55		80
Gray shale	80		95
Black shale	95		105
Coal	105		106
Fire clay	106		110
Gray shale	110		115
Opening-(Old mine tunnel & workings)	115		119
Black shale	119		125
Gray shale	125		140
Blue shale	140		155
Black shale	155		165
Coal	165		166
Gray shale	166		190
Blue shale	190		210
Gray shale	210		225
Blue shale	225		235
Gray shale	235		243
Blue shale	243		250
Black shale	250		260
Coal	260		261
Gray shale	281		300
Blue shale	300		315
Coal	315		316
Gray sandy shale	316		350
Black shale	350		360
Blue shale	360		370
Soft gray lime, little white flint and a little shale	370		375
Soft gray lime	375		380
Gray lime	380		385
Gray lime & white flint-hard	385		390
(New 8" casing set in concrete at 387'.			
Gray lime & White flint-hard	390		400
White flint-crevices (struck little water)	400		405

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White flint, little rusty sand, black lime and crevices.	405	415
Gray lime and gray flint	415	425
Gray lime & little gray flint-soft (Struck little water at 430').	425	440
Gray and brown lime-hard	440	450
Brown & gray lime & little white flint	450	465
Brown lime-hard	465	470
Brown and gray lime	470	490
Gray lime and little white lime	490	500
Dark gray lime	500	505
Light gray lime & little white flint	505	510
Gray lime	510	525
Gray lime and white flint	525	545
Blue and white flint and lime	545	550
Gray lime, blue and white flint	550	555
Blue & white flint & dark gray lime	555	565
Blue & white flint & little lime	565	580
Dark gray lime & blue flint	580	620
Gray lime & little blue flint	620	640
White & light gray lime & little flint	640	660
Gray lime, white & blue flint	660	705
Gray lime	705	710
Soft green shale	710	725
Dark gray lime and little flint	725	735
Light gray and black lime	735	740
Gray lime, little blue & white flint	740	750
Dark gray lime	750	755
Lime, little flint & little white sand (Struck very little water).	755	760
Light gray lime & little white flint	760	765
Gray lime	765	790
Brown lime & little white flint	790	805
Gray lime and white flint	805	890
White sand, white & blue flint (Struck little water).	890	900
Gray sand, flint and gray lime	900	915
Gray lime, white flint & little sand	915	925
Gray flint, dark sand & little lime	925	930
Blue & white flint & brown sand	930	940
White lime and gray sand	940	945
Light brown sand	945	950
White flint, white lime selvage and light brown sand	950	955
Brown sand and white lime (Struck little water).	955	965
Brown sand-hard	965	975
Brown sand and little white flint	975	980
Brown sand, white flint & gray lime	980	990
White flint and brown sand	990	995
Gray sand, gray lime	995	1000
(22' explosive cartridge placed at 983' to 1005 '.)		
Gray sand, gray lime, white lime selvage and crevices. (Struck fair amount of water).	1000	1000

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(Continued)
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Gray lime and gray sand-hard	1005	1010
Gray lime and little white flint-hard	1010	1014

Remarks:

Pump test made on well at depth of 905 feet. Well produced only 60 gallons per minute. Static water level was 185 feet. Well deepened to 1014 feet. Pump test shows maxium supply only 120 G. P. M. Static water level raised to 170 feet. Well shot with 100 quarts of Nitroglycerine. 22 feet shot placed 985 to 1005 foot depth in well. Static water level raised to 168 feet. Well produced (on actual pump test) 300 G. P. M. Water free from salt but has slight sulphur taste.

Water at 410', 450', 760', 895', 960', 1005'.
Static water level 170'.