LEGEND

GRAVEL | Shale & slate | RHYOLITE | sandstone | ANDESITE | Limestone (dolomitic) | QTZ. MONZ. POR. | Dolomite | GRANODIORITE | chert

Mine: Area "X", Kansas-Missouri (Crawford Co.)
Date Started: May 26, 1948
Date Stopped: June 8, 1948
Lease: S. I. Patton

Site: Sec. 34, T 29S, R 24E.
Bearing:
Inclination: Vertical -90° Churn
Location: 500' W. & 42' S. of N.E. Corner, Section 34.

Coordinates of Collar — Bottom
North:
East:

Elev. of Collar: 972.28'
Elev. Water Table: 722'
Elev. of Bottom: 402'
Length of Hole: 570'
Driller: Sill & Sill Drilling Co.; Lillian Sill

Drill Hole No. B-1
Sheet 1 of 3
Scale One Inch = 20 Feet

Date Drilled	Elev.	Feet	Log Rec C	Log Rec S	Rock and Alt.	Geology	Condition of Hole	Int.	Core Recovery Ft.	Core Recovery Lbs.	Core Recovery %	Core Assay Sample No.	Core Assay Copper Total	Core Assay Copper Oxide	Sludge Recovery Fac.	Sludge Recovery Lbs.	Sludge Recovery Tot. Lbs.	Sludge Recovery Lbs. Req.	Sludge Recovery %	Sludge Assay Sample No.	Sludge Assay Copper Total	Sludge Assay Copper Oxide	Comb. Ratio	Accepted Assay Copper Total	Accepted Assay Copper Product	Accepted Assay Copper Oxide	Accepted Assay Copper Product	Interval	Grouped Averages Copper Total	Grouped Averages Copper Product	Grouped Averages Copper Oxide	Grouped Averages Copper Product	Grouped Averages	Composite Assay	Remarks
	972.28'				Collar	0'																													

Cherokee formation

0' Brown & yellow clay soil
10' Brown, sandy shale — 8¼" Hole to 400', Cased.
20' Brown shale, trace tar — 6¼" Hole to 570'.
30'
Light grey shale, trace tar
50'
55' Limy, grey shale
60' Limy, grey shale & slate, Thin coal, (Bevier?) Tr. Fos.
Limy black shale & slate, some wh. lms.
70' Limy, black shale & slate, Thin coal - Croweburg Coal
75' Limy, sandy grey shale — Coarse Fos.
80'
85' Limy, sandy light grey shale, tr. tar — " "
Slightly limy, light grey shale
95' Limy, black shale & slate, Coal, tr. tar — Mineral Coal
100'
105' Limy, black shale & slate, tr. grey sandstone — Fos.
Limy, grey shale, some grey lms, tr. tar.
115'
120' Limy, black shale, tr. tar & Fos.
Limy, sandy grey shale, thin coal, Tr. Fos. & gas
125'
130' Grey shale — tr. Tar & Fos.
Grey shale & light grey S.S., tr. tar
135'
Limy, black shale & slate, Coal, tr. lms — Fos. — Pilot Coal
150'
155' Limy black shale, some lms & S.S. — tar (-)
160' Grey shale
165' Grey shale & sandstone — "
Grey sandstone — "
170'
Grey shale & sandstone — "
175' Grey sandstone & shale, Coal — Weir-Pittsburg Coal
180' — Heavy Fos.
Sandy, light grey shale

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						205' slightly limy, Sandy black shale & slate.	Tr. tar, Fos.																												

Cherokee formation

210' Sl. limy, grey shale — " "
215'
220' Dark grey shale & slate, some grey s.s. — " "
Sandy grey shale — tar, "
225'
Grey sandstone
230'
Dark gy. shale & sandy slate — Tar (-)
235'
Limy, light grey shale — "
240'
Limy grey shale & black slate. — Tar (-)
245'
Sl. limy, sandy, lt. grey shale
250'
Water
Sandy, light grey shale — Tar (-)
thin coal
265'
Grey ss. & shale — "
270'
Sl. limy, sandy grey shale — Tar (-)
275'
Grey shale, black slate
280'
Sandy grey shale — Heavy Tar.
285'
Grey sandstone — Tar (-)
290'
Sandy grey shale & S.S. — "
295'
Grey & brown sandstone — oil sand
320'
Grey S.S. & black slate — trace tar
325'
Sandy grey shale — Fos., tar (-)
330'
Dark grey shale — "
335'
Black shale - some red slate
340'
Light grey shale — "
345'
Grey shale
350' — Tar (-)
Sl. limy, dark grey shale
360'
Dark grey shale & lt. grey s.s.
365'
Grey sandstone — tan
375'
Sandy, black shale — tar (-)
380'
Black shale & grey S.S.
385'
Grey shale
387' Unconformity
390' white chert — Heavy Fos.

Boone formation

395' Dark grey & wh. lms., tr. bluish grey chert.
Tan and Brown limestone - blue grey & dirty white cherts — " Tr. Fos.

Warsaw

413'

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						413'																													

Boone formation

413' Tan lms., dirty white chert
420' Brown dolomite; dirty white (brown spotted) chert — Warsaw
Tan lms., - dirty white chert (brown spotted)
547' 425'
542' 430' Sandy, tan lms., white chert. Short Creek oolite.

Burlington-Keokuk

Tan & white lms., tr. white chert
480'
Tan lms., white "cotton rock" chert.
482' 490'
Tan lms., white & dirty (brown spotted) white cherts
500'
White & lt. grey chert with dirty brown-white.
505'
Grey & tan lms., tan & white cherts.
510'
Brown spotted white & white cherts.
515'
Tan lms., dk. grey & white, grey spotted cherts
452' 520' — Grand Falls
Water
Sandy, tan dolomite, white, lt. grey cherts

Reeds Spring formation

535'
Tan lms. & dolomite - grey & white cherts

Reeds Spring

555'
Light tan lms., lt. grey & white chert.
560'
Tan & white lms., creamy white chert.
565'
402' 570' Cream-white lms. End possibly Fern Glen lms.

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