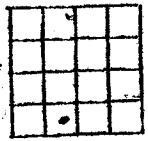
County Clinton



sec. 27 T. 56 R. 30

Owner Hendricks, E.R.

Elev. 1028 MGS# 8248

Farm Estep, Lee No. 3 TD 557 Shows oil Spls. ✓

Status D&A Date Completed 5-14-43 Fm@TD Cher.

Remarks:

00001

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MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

County: Clinton
Owner: Lee Estep #3
Location: NE SW Sec. 27, T. 56, R. 30
Source: Ladore shale 292 ft.
Analysis No.: 3610 Total Depth 567 and No.
Date Analyzed: 10-3-43
Analyst: R. T. Rolufs
Collector: F. C. Greene 6-12-43

CONSTITUENTS:	IN PARTS PER MILLION
Turbidity	Turbid
Color	None
Odor	Sl. musty
Total Suspended Solids	ND
Total Dissolved Solids	3920.0
Loss on Ignition	98.0
Chloride Radicle (Cl)	1413.9
Nitrate Radicle (NO_3)	ND
Sulphate (SO_4)	10.8
Bi-Carbonate Radicle (HCO_3)	1494.0
Carbonate Radicle (CO_3)	1.5
Sodium (Na) Potassium (K) as Na	1821.8
Magnesium (Mg)	8.4
Iron (Fe)	ND
Manganese (Mn)	ND
Insoluble ~~Silica~~ (SiO_2)	10.0
Calcium (Ca)	15.0
Total Hardness	60.9
Carbonate Hardness	60.9
Alkalinity	1226.3
Precipitated Iron (Ppt. Fe.)	ND
Temporary Hardness	ND
Al_2O_3 + Fe_2O_3	3.2

Remarks:

Copies to: Lee Estep, R.F.D., Turney, Mo.
F. C. Greene

cc: fog.

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Clinton LOG NUMBER 8248

COMPANY OR OWNER E. R. Hendricks

FARM Lee Estep WELL NO. 3

LOCATION NE SE SW SEC. 27 T. 56 R. 30

CONTRACTOR J. Bradford & Son

DRILLER TOOL DR.

COMMENCED 5/5/43 COMPLETED 5/14/43

PRODUCTION D & A PLOTTED

CASING RECORD 8¼ - 73 6¼ - 440

WATER RECORD

SOURCE OF LOG Drillers original 27 samples ELEV. 1028

REMARKS 770' N - 540' W of S¼ cor. TOTAL DEPTH 557

CHEM. ANAL. NO.

	-		27				
			x				

FORMATION	THICK.	DEPTH
Surface		7
White and gray clay	7	40
Yellow glacial fill, 45' very small water	40	65
Lime (Plattsburg)	65	66
Gray shale (small show coal @ 67'	66	87
Lime	87	89
Grey shale	89	96
Lime	96	97
Shale Lansing	97	118
Lime Kansas City	118	119
Shale	119	120
Lime	120	122
Shale	122	127
Lime (Raytown)	127	131
Dark shale (7 BW overnight)	131	140
Lime	140	141
Dark shale	141	156
Lime	156	159
Shale	159	165
Green shale (trace of red bed 173-177)	165	177
Lime	177	181
Shale	181	202
Lime	202	212
Shale	212	215
Lime	215	217
Shale, gray	217	233
Lime (Winterset)	233	258
Shale, dark, and some black slate and some coal	258	266
Lime (Bethany Falls)	266	283
Shale, some black slate	283	287
Lime	287	288
Black shale	288	289
Lime	289	291
Shale, water ~~292~~ 292, salty 50 gal. B per hour	291	292
Lime	292	294
Shale	294	296
Lime (Hertha)	296	300
Shale, green and red, red showing @ 305	300	335
Sand, muddy and limey, oil showing very small	335	337½
Sand, muddy and limey	337½	340
Shale, gray, sandy	340	397
Sand, very muddy Wayside	397	415
Green shale, very small show of red	415	430
Lite green sandy shale, pipe @ 440'	430	450
Lime (Top of Henrietta)	450	452
Gray shale, slightly sandy MO 460 OK	452	462
Sandy shale, oil stain (over)	462	462½

1028
65
963

1028
300
728

Shale, gray	462½	467½	
Lime, soft	467½	468½	
Lime, light brown	468½	474	
Dark shale	474	475	
Oil sand (Peru)	475	482	very muddy and lensing, very small oil show
Lime	482	486	Lex. cap.
Black shale and coal	486	495	
Light sandy shale	495	506	
Lime	506	508	(Houx)
Black shale	508	516	
Lime	516	522	Henrietta Cherokee
Green muddy shale	522	539	
Sand muddy	539	540	Lensing sand - oil show small
Sand muddy	540	541	Lensing sand - oil stain
Sand cleaner	541	545	small oil
Muddy sand	545	547	mostly shale - no oil
Shale, light gray	547	550	
Sand, cleaner	550	552	no oil
Sand muddy	552	557	no oil

TD