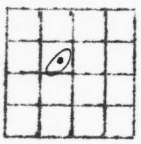
County Cass



sec. 21 T. 46 R. 32

Owner Hyde, Ben

Elev. 1010 MGS# 2811

Farm Webb, Frank No. 1 TD 1340 Shows O+G Spls. no

Status _____ Date Completed 11-1-33 Fm TD St. Peter

Remarks:

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THE

Oil and Gas Resources

of

CASS AND JACKSON COUNTIES MISSOURI

by

JOSEPH R. CLAIR

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1943

MISSOURI
GEOLOGICAL SURVEY AND WATER RESOURCES

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ROLLA, MISSOURI

Log of B. C. W. Hyde, Jr. et al., Webb No. 1. Location: 3,300 feet west, 2,240 feet south of NE corner Sec. 21, T. 46, R. 32, Cass County, Missouri. Elevation: 1,023.8.

Stratum	*Thickness feet*	*Depth feet*
Quaternary system:		
Soil and clay	12	12
Pennsylvanian system:		
Kansas City group:		
Lime (Raytown)	10	22
Gray shale	3	25
Red bed	6	31
Green shale	4	35
Lime (Cement City)	4	39
Blue shale	6	45
Gray shale	23	68
Lime	10	78
Gray shale	10	88
Lime (Top Winterset)	6	94
Gray shale	5	99
Lime	11	110
Gray shale	2	112
Lime (Base Winterset)	11	123
Dark shale (strong water)	8	131
Lime (Bethany Falls)	20	151
Black slate	2	153
Gray shale	4	157
Lime	2	159
Dark shale	3	162
Lime (Hertha)	8	170
Pleasanton formation:		
Light shale	5	175
Sand	5	180
Light shale	5	185
Gray shale	10	195
Sandy shale	10	205
Sand	7	212
Sandy shale	13	225
Gray shale	47	272
Sand	3	275
Light shale	15	290
Gray shale	8	298
Sand, hard	8	306
Green shale	9	315
Light shale	15	330
Gray shale	14	344
Henrietta group:		
Lime	6	350
Dark shale	3	353
Lime	3	356
Dark shale	4	360
Lime	6	366
Sand, hard (True Peru)	7	373
Gray shale	11	386
Lime	7	393

Hyde Webb No. 1—Continued.

Stratum	*Thickness feet*	*Depth feet*
Black slate (little gas)	3	396
Sand lime (hard)	10	406
Light shale (6¼″ pipe set at 414′)	11	417
Red bed	5	422
Gray shale	27	449
Lime	2	451
Cherokee group:		
Dark shale	5	456
Sand and lime (Squirrel ?)	2	458
Shale	2	460
Lime	2	462
Light shale	18	480
Sandy shale	35	516
Dark shale	13	528
Black slate	2	530
Lime	3	533
Light shale	37	570
Sandy shale	13	583
Sand, hard	3	586
Light shale	16	602
Lime	3	605
Sandy shale	10	615
Dark shale	10	625
Light shale	15	640
Sand (L. Bartlesville—250 M cu. ft. gas—oil show)	15	655
Broken sand	10	665
Dark shale	10	675
Light shale	5	680
Sand and shale	15	695
Sand	5	700
Broken sand	5	705
Sand	8	713
Dark shale	7	720
Sandy shale	20	740
Black slate (water)	3	743
Sandy shale	52	795
Light shale	5	800
Dark shale	6	806
Black shale (strong water)	4	810
Mississippian system:		
Lime (4 7–8″ pipe set at 615′)	67	877
Green shale	1	878
Lime	16	894
Green shale	1	895
Lime	10	905
Sandy lime	5	910
Dolomite	70	980
Dolomite (showing oil—hard)	5	985
Dolomite (showing oil—hard)	5	990
Dolomite (showing oil—hard)	5	995
Dolomite (showing oil—hard)	5	1,000
Dolomite (showing oil—hard)	5	1,005
Dolomite and flint	45	1,050
Dolomite (strong water—5 ft. salt, 45 ft. black sulphur—good oil flow)	45	1,095
Dolomite	20	1,115
Dolomite (showing oil)	15	1,130
Brown dolomite (showing oil)	5	1,135
Light dolomite	20	1,155
Lime, flint and dolomite	20	1,175
Brown lime	25	1,200
Gray lime	31	1,231
Green shale	2	1,233

Hyde Webb No. 1—Continued.

Stratum	*Thickness feet*	*Depth feet*
Gray lime	4	1,237
Green shale	5	1,242
Gray lime	54	1,296
Gray lime	4	1,300
Wilcox sand	40	1,340

Formational Summary below Pennsylvanian:	From	To
Mississippian system:		
St. Louis formation	815	860
Spergen or Upper Warsaw formation	860	910
Warsaw formation	910	970
Short Creek oolite	970	975
Keokuk-Burlington formations	975	1,140 ?
Sedalia-Chouteau formations	1,140 ?	1,235
Kinderhook shale	1,235	1,240
Devonian system	1,240	1,300
(No samples 1,255 to 1,300)		
Ordovician system:		
St. Peter formation	1,300	1,340—T. D.