

COMPANY : PEEL & HARDMAN  
COUNTY : ROOKS  
FARM : MONGEAU #1

LOCATION : NW NW SW 21-9S-19W  
ELEVATION : 2121  
SPUD : 3-16-49  
COMPLETED :

SAMPLE DETERMINATION BY E. L. MAXWELL

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3270-87 Light gray fine crystalline limestone.

TOP HEEBNER SHALE 3287

87-90 Black fissile shale.  
90-96 White to light gray fine crystalline limestone.  
96-3309 Red, green and gray silty and micaceous shale.

TOP DODGE 3309

09-14 POOR TO FAIR POROSITY, LIGHT TO MEDIUM STAIN, SPOTTED TO FAIR SATURATION.

14-23 White to light gray fine crystalline to dense limestone.  
23-28 Red, gray and green shale.

TOP LANSING 3328

28-30 OOLITIC TO OOLICASTIC LIMESTONE, POOR TO FAIR POROSITY, LIGHT STAIN, FAIR SATURATION. SOME PIECES NOT STAINED.  
30-37 White fine crystalline to dense limestone.  
37-43 WHITE FINE CRYSTALLINE CHERTY LIMESTONE, WHITE TO LIGHT GRAY OPAQUE CHERT, FEW PIECES POOR TO FAIR POROSITY, LIGHT TO MEDIUM STAIN, GOOD SATURATION.  
43-55 White fine crystalline cherty limestone.  
55-65 Gray and green shale.  
65-68 POOR POROSITY, LIGHT TO MEDIUM STAIN, FAIR TO GOOD SATURATION.  
68-74 Light gray fine crystalline limestone.  
74-76 POOR POROSITY, LIGHT STAIN, SPOTTED SATURATION.  
76-80 Light gray fine crystalline limestone, trace of light gray chert  
80-86 Gray and green shale.  
86-90 POOR POROSITY, MEDIUM STAIN, SPOTTED SATURATION.  
90-98 Light gray fine crystalline limestone.  
98-3405 Gray and greenish gray silty shale.  
05-12 White to light gray fine crystalline limestone.  
12-42 Chalky white fine crystalline limestone, trace oolitic porosity, no shows.  
42-56 White fine crystalline limestone and light gray chert.  
56-64 Various red, gray and green shale.  
64-71 POOR POROSITY, LIGHT STAIN, SPOTTED SATURATION, FEW PIECES GOOD POROSITY, MEDIUM STAIN, SPOTTED SATURATION.  
71-79 Light gray fine crystalline to dense limestone.  
79-82 Various red, gray and green shale.  
82-95 POOR POROSITY, MEDIUM STAIN, SPOTTED TO FAIR SATURATION, FAIR ODOR.  
95-3500 Light gray fine crystalline to dense limestone.  
3500-3511 FAIR TO GOOD OOLICASTIC POROSITY, LIGHT TO MEDIUM STAIN, SPOTTED TO GOOD SATURATION, GOOD ODOR, SMALL SHOW FREE OIL.

DRILL STEM TEST 3498-3510 open 30 minutes recovered 35 feet mud.

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- 3511-24 Light gray fine crystalline to dense limestone.  
24-30 POOR POROSITY, LIGHT TO DARK STAIN, SPOTTED TO GOOD SATURATION.  
30-38 LIGHT GRAY FINE CRYSTALLINE TO DENSE LIMESTONE, STREAKS VERY  
POOR POROSITY, LIGHT STAIN, GOOD SATURATION.
- 38-43 Gray and greenish gray partly sandy shale.  
43-49 OOLITIC TO SUBOOLITIC AND FOSSILIFEROUS WHITE LIMESTONE,  
POOR TO FAIR OOLICASTIC POROSITY, LIGHT STAIN, GOOD SATURATION,  
GOOD ODOR, SHOW FREE OIL.
- 49-61 White fine crystalline limestone, traces of various shale,  
traces stain and saturation.
- DRILL STEM TEST 3557-61 open 25 minutes recovered 12 feet mud.
- 61-79 Various colored shales, few scattered pebbles of Simpson sand.  
TOP CONGLOMERATE 3579
- 79-90 Various colored weathered cherts.  
90-3629 Red, gray and green shale, traces of weathered chert.  
TOP ARBUCKLE 3629
- 29-53 Various weathered fine to coarsely crystalline dolomite.  
53-61 White coarsely crystalline dolomite, traces of good porosity,  
no shows.

ROTARY TOTAL DEPTH 3661  
RAN SCHLUMBERGER LOG @ 3661  
CEMENTED 5½" CASING @ 3660