

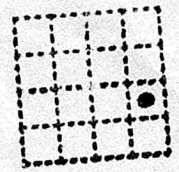
5-10-20E

YOUNG & LONGWELL ET AL
McLeod No. 3

SEC. 5 T. 10 R. 20 E.
CNE SE
535' f NL 610' f EL SE $\frac{1}{4}$

Total Depth. 1644 ²⁶⁻⁴¹
Comm. 5-7-41 ⁴ Comp. 7-1-41
Shot or Treated
Contractor.
Issued. 3-21-42

County Jefferson



CASING.

8 $\frac{1}{4}$ " 939'
65/8" 1515'

Elevation. 1147

Production. Est 90 B.

Figures Indicate Bottom of Formations.

soil	10	shale	791	siltstone white	1451
clay yellow	49	lime	802	shale dark	1460
Glacial till	65	shale	809	1460 equals 1473 SLM	
lime	67	lime	812	sand and sh blk	1470
shale	72	shale light	824	shale blk	1485
lime	70	shale grey	835	shale	1490
shale	84	sand and shale	840	shale blk	1494
lime	91	shale sdy	865	shale	1507
shale	115	shale	896	chert and dol. limo	1515
lime hard	120	sand	908	lime & chert	1535
shale	122	shale	915	lime chert and dol.	1540
sand	123	red rock	920	dolomite some chert	
shale dark	149	shale	931	and oil stain	1550
lime	161	shale green	939	dolomite oil show	1565
shale	164	lime	941	dolomite chert good	
lime	173	shale	952	oil shiw	1571
shale & shale blk	176	lime	960	shale blk	1576
lime	181	shale	973	dolomite, some chert and	
shale	191	lime	985	good sh oil	1580
lime	199	shale	995	dolomite and oil sand	1590
shale green	235	lime	997	dolomite lime and	
shale sdy	250	shale blk	1000	chert	1598
shale green	326	shale	1005	dolomite & chert hard	
lime	332	lime	1012	oil increase	1625
shale	342	shale dark	1033	SIM 1625 = 1621 $\frac{1}{2}$	
shale sdy	365	lime	1035	lime brown and chert	
sand 2 BWFH	375	shale	1053	hard	1622-25
shale sdy	470	shale sdy	1060	lime brown hd	1635
lime	476	shale	1090	chert wh lime grey	1637
shale	483	lime	1102	hard	1642 $\frac{1}{2}$
lime	493	shale blk	1105	very soft	1644
shale & shale blk	498	shale	1125		
lime	503	shale blk	1130		
shale	509	shale dark	1133		
sand and shale	518	lime	1135		
lime	539	sh little water.	1145		
shale	570	shale grey	1160		
lime	580	shale blk	1165		
shale	605	shale dark	1195		
lime	618	shale	1210		
shale	637	sand and R.R.	1215		
shale & shale blk	650	shale dark	1244		
lime	651	sand	1260		
shale	654	shale blk	1265		
lime	662	shale blk and slate	1267		
shale	675	lime sdy	1280		
lime	688	sand and shale	1295		
shale	701	red rock	1300		
lime	707	sand	1310		
shale	710	shale very dark	1385		
lime	740	shale sdy dark	1400		
shale dark	742	shale dark	1405		
lime	750	sand	1410		
shale	755	sand some sand	1420		
lime	781	shale and some blk			
dark & blk shale	783	shale	1425		
lime	789	shale blk	1446		

Total Depth.

Fluid raised 300' in 15 Min

Top Siltstone 1442
Top McLouth 1474
Top Miss. 1507
Top Warsaw 1515

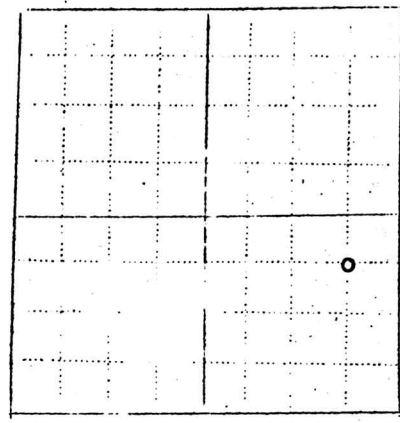
PR. Gannon
Morris
5-10-20E

cc:for

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Jefferson--Kansas LOG NUMBER _____
 COMPANY OR OWNER Longwell & Young
 NAME McLeod WELL NO. 3
 LOCATION NE SE SEC. 5 T. 10 R. 20
 CONTRACTOR Davis Bros.
 DRILLER _____ TOOL DR. _____
 COMMENCED 4-26-41 COMPLETED _____
 PRODUCTION _____ WATER _____
 CASING RECORD 10"--66 8" 939



WATER RECORD _____
 SOURCE OF LOG Driller's original MEAN. 1146
 REMARKS _____ TOTAL DEPTH Dr. 1644
 _____ CHEM. ANAL. NO. _____

FORMATION	THICK	DEPTH	FORMATION	THICK	DEPTH
Soil & clay	0	10	Lime	483	493
Yellow clay & gravel	10	49	Shale, dark--black slate	493	498
Gray glacial fill	49	65	Lime	498	503
Lime, hard	65	67	Shale	503	509
Shale	67	72	Sand & shale	509	518
Lime	72	80	Lime	518	539
Shale	80	84	Shale	539	570
Lime	84	91	Lime	570	580
Shale	91	115	Shale	580	605
Lime, hard	115	120	Lime	605	618
Shale	120	122	Shale	618	637
Sand, soft	122	123	Lime	637	643
Shale, dark	123	149	Dark shale & black slate	643	650
Lime	149	161	Lime	650	651
Shale	161	164	Shale	651	654
Lime	164	173	SEM 165		
Shale & black slate	173	176	Lime	654	662
Lime	176	181	Shale	662	676
Shale	181	191	Lime	676	688
Lime	191	199	Shale	688	701
Shale, green	199	235	Lime	701	707
Shale, gray & sandy	235	250	Shale	707	710
Gray shale	250	326	Lime	710	740
Lime	326	332	Shale, dark	740	742
Shale	332	342	Lime	742	750
Sandy shale	342	365	Shale	750	755
Sand	365	375	Water 2 bbl. p. hr.		
Sandy shale	375	470	Lime	755	781
Lime	470	476	Dark shale & black slate	781	783
Shale	476	483	Lime	783	787

(Over)

	THICK	DEPTH			
Shale	787	787.6	Sand	1460	1464 gas show
Lime	787.6	788	Dark shale	1464	1472
Shale	788	791	Sand, dark	1472	1476
Lime, very hard	791	802	Dark shale	1476	1494
Shale	802	809	Top Miss. soft		
Lime	809	812	sandy lime	1494	1495
Shale, light	812	825	Hard brown lime		
Gray shale	825	835	chert and dolo-		
Sand & shale	835	840	mite (SIM 1502=		
Shale & sand	840	865	1515)	1495	1502
Shale	865	896	Set 1515' of 6 5/8		
Sand	896	908	Lime and chert	1515	1535
Shale	908	915	Lime and chert-		
Red bed & green	915	920	dolomite	1535	1540
Shale	920	926	Dolomite & some		
Sand	926	931	chert (oil stain)	1540	1550
Green shale	931	939	Dolomite (oil show)	1550	1565
Lime	939	941	8" casing Dolomite and chert,		
Light shale	941	952	good oil show	1565	1571
Lime	952	960	Black shale	1571	1576
Shale	960	973	Dolomite and some		
Lime	973	985	chert, very good		
Shale	985	995	oil show	1576	1580
Lime (Lex.)	995	997	Dolomite and sand	1580	1590
Black slate & shale	997	1000	(oil)		
Shale	1000	1005	Dolomite lime and		
Lime	1005	1012	chert	1590	1593
Shale, dark, muddy	1012	1033	Dolomite & chert,		
Lime	1033	1035	hard, increase		
Shale, muddy	1035	1053	in oil	1593	1625
Light, sandy, shale	1053	1060	Chert and dolo-		
Shale	1060	1099	mite or lime,	1625	SIM 1621 1/2
Lime	1099	1102	increasing		
Black shale	1102	1105	Brown lime & chert,		
Shale	1105	1125	hard	1622	1625
Black shale	1125	1130	Brown lime, hard	1625	1635
Dark shale	1130	1133	White chert, gray		
Lime	1133	1135	lime	1635	1637
Shale--show of red bed	1135	1145	-----	1637	1642
Gray shale	1145	1160	Hard	1642	1642 1/2
Black slate & shale	1160	1165	Soft very (fluid		
Dark shale	1165	1195	raised 300 ft.		
Shale	1195	1210	in 15 minutes)	1642 1/2	1644 T.D.
Red shale & sand	1210	1215			
Dark shale	1215	1244			
Sand	1244	1260			
Black shale	1260	1265			
Black slate & shale	1265	1267			
Sandy lime	1267	1280			
Sand & shale	1280	2295			
Red shale	1295	1300			
Sand	1300	1310			
Shale, very dark	1310	1385			
Dark shale, sandy	1385	1400			
Shale, dark	1400	1405			
Sand	1405	1425			
Shale	1425	1445			
White shale	1445	1451			
Dark shale	1451	1460			

