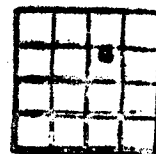


H & M DRLG CO.
Sellers No. 4-A.

31-19-1W
SEC. 31 T. 19 R. 1W
CNL SW NE

Total Depth. 2988'
Comm. 1-20-38 Comp. 3-27-38
Shot or Treated. 1000 Gals.
Contractor. H & M Drlg. Co.
Issued. 7-2-38

County. McPherson



CASING:

15 1/2"	101'	JUL 2 1938
12 1/2"	830'	
10 "	1639'	
8 "	2112' UR 2335'	
6 "	2720' UR 2918'	

Elevation.

Production. Pot. 599 B.

Figures Indicate Bottom of Formations.

clay	15	lime	1665
sand	80	shale blue	1695
shale blue	100	lime & shells	1730
red rock	105	lime	1740
shale blue	110	2 BW 1730-35	
red rock	120	shale blue	1765
shale blue	160	lime	1810
red rock	170	shale & lime shells	1845
shale blue	185	lime	1875
lime	195	shale & lime shells	1920
shale blue	310	lime	2020
lime	330	shale blue	2030
shale blue	360	lime	2080
lime	375	shale drk	2085
shale blue	410	lime	2090
lime	420	shale	2100
shale	425	sand HFW	2105
lime	435	sand & shale	2140
shale grey	445	sdv lime	2155
lime	455	shale	2175
shale	465	sdv lime	2185
lime	485	shale	2248
shale lgt	505	lime	2273
lime	535	shale	2305
shale & red rock	560	lime & shells	2320
lime	615	lime	2350
red rock	620	wtr 2320-35	
lime	660	shale	2353
shale	665	lime	2465
lime	755	1 BW 2405-25	
shale	760	shale	2467
red rock	767	lime	2630
shale	823	4 BW 2595-2605	
lime	826	shale	2635
shale	830	shale & lime shells	2695
brkn lime & shale	870	shale white	2720
red rock	875	lime	2730
shale & lime shells	1025	shale	2745
lime	1045	lime	2760
shale drk	1060	shale	2775
lime	1100	lime	2805
shale	1110	shale	2835
shale & lime shells	1215	lime	2855
red rock	1225	var. shale (top chat)	2903
shale & lime shells	1260	(showing of gas)	
red rock 1BW 1260	1270	chatty lime	2911
shale & lime shells	1290	chat	2920
red rock	1300	shale	2924
shale	1320	chat	2928
shale & lime shells	1360	lime	2931
red rock	1368	chat	2988
shale & lime shells	1535	Total Depth.	
red rock	1540		
shale & lime shells	1611	showing of oil	2944
lime HFW	1626	pay from 2983-2988	
shale	1644	Made 5 B.O.P.H. Nat.	