

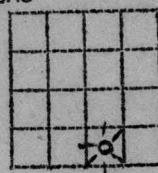
12-31-8E

Company - W. K. MANN
Farm - Frank Hazlett No. 1.

SEC. 12 T. 31 R. 8 E
Cen SW SE

Total Depth. 1530' 2"
Comm. 11-30-29 Comp. 12-9-29
Shot or Treated.
Contractor.
Issued. 11-4-44

County. Elk
KANSAS



CASING:
10" 652'
8" 824'

Elevation. _____

Production. 2,500,000 G.
500# R.P.

Figures Indicate Bottom of Formations.

soil yellow sft	5	lime wh hd	660
lime wh hd	10	lime sdy gy hd	665
shale sft	15	sand wh sft HFW	680
lime wh hd	25	shale wh sft	740
shale blue sft	30	lime wh hd	745
lime wh hd	40	shale wh sft	755
shale blue sft	45	lime gy hd	765
lime wh hd	50	shale blue sft	770
shale blue sft	65	lime wh hd	785
lime wh hd	75	shale blue sft	790
shale blue sft	80	red rock	795
lime wh hd	100	lime	805
shale blue sft	130	red rock	820
lime wh med	150	shale	830
shale blue sft	170	lime	835
lime wh hd	180	shale	840
shale blue sft	185	lime	850
lime brkn gy med	195	shale lgt sft	890
shale blue sft	200	sand gy med HFW@900	905
lime wh hd	210	sand gy hd	920
shale blue sft	245	shale blue sft, cavy	1050
lime wh hd	250	shale blue sft	1075
shale blue sft	270	lime wh hd	1080
lime wh hd	275	shale lgt sft	1105
shale blue sft	300	lime brkn med wtr	1120
lime wh hd	305	lime wh hd	1140
shale blue sft	325	shale wh sft	1145
lime wh hd	330	lime wh big hd	1200
shale gy sft	360	shale wh sft	1205
lime wh hd	365	lime wh med	1230
shale blue sft	375	shale dk sft	1235
lime wh hd	385	lime wh hd	1325
shale blue sft	390	shale blue sft	1350
red rock red sft	395	lime shells gy med	1375
lime wh hd	430	shale gy sft	1436
shale wh sft	435	lime wh hd	1438
lime wh hd	445	shale blue sft SIM	1487
shale blue sft	460	lime hd	1491
lime wh hd	485	shale sft	1506
shale blue sft	490	gas sand	1510
red rock red sft	495	lime	1511
lime wh hd	500	sand gas	1523
red rock red sft	505	sand	1526
lime wh med	520	sand	1530' 2"
shale blue sft	530	Total Depth.	
lime sdy wh med	545		
shale blue sft	550		
lime wh hd	580		
shale blue sft	585		
lime wh hd	590		
shale gy sft	600		
lime wh hd	605		
shale blue sft	615		
lime wh hd	620		
shale blue sft	640		
lime wh med	645		
lime brkn wh sft	655		

Ran Steel line at 681