

Plotted
4-12-24E JK.

HAMMEL & BERGDORFER
Bross No. 1.

SEC. 4 T. 12 R. 24E
SE NW NW SE or NW SW SE
2300' fr SL 2000' fr EL SE $\frac{1}{4}$

Total Depth. 520'

Comm. 7-2-39?

Comp. 7-15-39?

Shot or Treated.

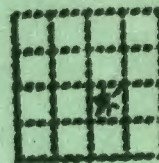
Contractor.

Issued. 8-17-40

CAS ING:

4 5/8" 330'

County. Johnson



Elevation. -880?

Production. 181,000 Gas
R.P. 186#

Figures Indicate Bottom of Formations.

clay	7	shale red & dk	405
gravel	12	shale	410
shale blue	17	shale dk Gas	416
lime wh & blue	25	lime	417
shale blue	26	slate	420
lime blue & sdy - Gas	29	sand & shale	425
shale	38	sdv lime & slate	431
lime	39	slate-shale-lime, some	
shale	40	oil	437
lime	41	sand Oil & Gas	451
shale	42	shale	470
lime	53	shale & lime	475
shale	56	sand Oil & Gas	485
lime	58	shale	497
shale	61	sand	520
lime	67	Total Depth.	
shale	84		
lime	85		
shale	86	Set 4 5/8 at	330
lime	88	Set packer at	492
shale	91		
lime Winterset	106	Tested 181 M	
shale	109	Rock pressure 186#	
lime	115		
shale	116		
lime	124		
shale & slate Gas	128		
lime Bethany Falls	149		
shale & slate	152		
lime	157		
shale	159		
lime	161		
shale	162		
lime Hertha	171		
shale	181		
sand Knobtown-some			
wtr	185		
shale	195		
sand	205		
shale sdy	220		
shale dk	275		
sand Gas	290		
shale green	292		
sand	295		
shale red slate	300		
shale green	303		
red bed	315		
shale	319		
lime	322		
shale gy	336		
lime	344		
shale	351		
shale & coal	354		
shale dk	359		
lime	364		
shale	370		
shale dk	383		
lime brown & hrd	386		
shale	387		
sand hrd Gas	395		
	400		