



Big E Drilling Company

14-25-21E

Route 1 • CENTERVILLE, KS. 66014 • Phone: 913-898-4082 or 755-4509

E & W Production
Bronson, KS

2/16/89

McKinnis #10
2/14/89 - 2/15/89
API15-011-22,646

Thickness of Strata	Formation	Total Depth
2	top	2
29	lime	31
6	shale	37
50	lime	87
6	shale	93
17	lime	110
22	shaley	132
26	lime	158
102	shale	260
5	lime	265
16	shale	281
5	lime	286
85	shaley	371
24	lime	395
44	shale	439
16	lime	455
9	shale	464
6	lime	470
102	shale	572
1	lime	573
39	shale	612
7	dk sandy shale	619
13	dry black sand	632
1	sandy good odor	633
20	core #1	653
19	core #2	672
48	shale	720
	TD	720
	SN	654.75
	TP	718.6

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STATE OF KANSAS DIVISION
Tulsa, Kansas

Core #1 633-653

633-33.5 shaley
 633.5-34.4 sandy lite odor
 634.4-637.2 shale
 637.2-638.4 black shale
 638.4-640.8 shale
 640.8-645.7 limey shale
 645.7-653 sandy shale

Core #2 653-672

653-654 shaley sand
 654-656 dry sand
 656-658.4 oil sand good show
 658.4-60.9 lam sand some show
 660.9-662.2 oil sand good show
 662.2-668.1 black sand odor
 668.1-668.5 coal
 668.5-672 shaley