MEADOWLARK DRILLING, INC. WELL LOG

14 - 13 - 23E

Well Owner: Miller Bros. Production Co. API #: 15-091-20,828

Lease Name: Miller Date:

Well #: #9 PAGE 1 Driller: D. Kellstadt & T. Hutton

Thickness of Strata	Formation	Total Depth	Comment	# of Joints In	Time	# of Joints Out
22'	Soil & Clay	22'				
3'	Red Shale	25'				
22'	Shale	47'				
18'	Lime	65'				
10'	Shale	75'				
42'	Lime	117'				
44'	Shale	161'				
6'	Lime	167'				
2'	Dark Shale	169'				
1'	Lime	170'				
17'	Shale	187'				
11'	Lime	198'				
9'	Shale	207'				
1'	Red Bed	208'				
24'	Shale	232'				
4'	Lime	236'				
2'	Shale	238'				
2'	Lime	240'				
2'	Shale	242'				
13'	Lime	255'				
7'	Shale	262'				
14'	Lime	276'				
3'	Shale	279'				

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Date: SEP 1 1984
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SEP 19 1984
State Geological Survey
WICHITA BRANCH

MEADOWLARK DRILLING, INC. 14 13 23E WELL LOG

14-13-23E

Well Owner: Miller Bros. Production Co. API #: 15-091-20,[illegible]8

Lease Name: Miller Date:

Well #: 79 PAGE 2 Driller: D. Kellstadt & T. Hutton

Thickness of Strata	Formation	Total Depth	Comment	# of Joints In	Time	# of Joints Out
36'	Lime	315'				
32'	Shale	347'	Hertha 315'	3100 CF		
111'	Shale	458'				
6'	Red Shale	464'				
10'	Shale	474'				
5'	Lime	479'				
23'	Shale	502'				
4'	Lime	506'				
5'	Sandy Shale	511'				
8'	Shale	519'				
3'	Lime	522'				
18'	Shale	540'				
4'	Dark Shale	544'				
3'	Lime	547'				
35'	Shale	582'				
3'	Red Shale	585'				
21'	Shale	606'				
2'	Sand	608'				
4'	Sand (oil)	612'	Upper Squirrel (Good Odor)			
18'	Sandy Shale	630'				
24'	Shale	654'				
4'	Sand	658'				
14'	Shale	672'				

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MEADOWLARK DRILLING, INC.

WELL LOG

14 - 13 - 23E

Well Owner: Miller Bros. Production Co. API #: 15-091-20,828

Lease Name: Miller Date:

Well #: #9 PAGE 3 Driller: D. Kellstadt & T. Hutton

Thickness of Strata	Formation	Total Depth	Comment	# of Joints In	Time	# of Joints Out
3'	Sand	675'	Lower Squirrel (Slight Oil Show)			
31'	Shale	706'				
4'	Lime - Sandy	710'				
15'	Sandy Shale	725'	Total Depth			

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