

MAY 1 1971

DRILLERS LOG

J. R. COTTRELL NO. 1-V

20-32-29W
C NE SE

Sec. 2709' KB

GA 12,000,000
CF6PD

CASING RECORD: OPERATOR: Clinton Oil Company
8-5/8" @ 1508' CONTRACTOR: Sage Drilling Co.
w/850 sax cement
TOTAL DEPTH: 6250" COMMENCED: December 8, 1970
COMPLETED: January 1, 1971

DESCRIPTION: narrow
C NE SE
Sec. 20-32S-29W
Meade County,
Kansas

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay and Sand	0	388	<u>Log Left</u>
Red Bed and Sand	388	1509	
Red Bed and Anhydrite	1509	1998	Heeliner 4388
Anhydrite and Shale	1998	2400	Laranta 4411
Shale	2400	2497	Lansing 4526
Lime and Shale	2497	4615	manator 5146
Shale and Lime	4615	4731	Cherokee 5328
Lime and Shale	4731	4937	Atoka 5560
Shale and Lime	4937	5028	marrow sh 5605
Lime and Shale	5028	5205	" sd 5614
Lime	5205	5231	B. " 5630
Lime and Shale	5231	5630	Miss Chert 5668
Lime	5630	5672	St. Sen. 5927
Lime and Shale	5672	5726	St. Louis 6020
Lime	5726	5806	
Lime and Shale	5806	5942	
Lime	5942	6003	
Lime and Shale	6003	6135	
Lime	6135	6175	
Lime and Shale	6175	6250	5 1/2" @ 6228' w/200 sax cement

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SAGE DRILLING CO., INC.

By Clarence Michael
Clarence Michael

