

34-15-29W  
COPY

MALLARD JV, INC.  
P. O. BOX 1009  
McPHERSON, KS 67460

D R I L L E R S      L O G

OPERATOR: Viking Resources, Inc.  
105 S. Broadway, Suite 1040  
Wichita, KS 67202

WELL: Dowell #1  
API#: 15-063-21,397

COMMENCED: August 16, 1991

LOC: SW NE NE

COMPLETED: August 22, 1991

4290 FT. FSL, 990 FT FEL

TOTAL DEPTH: 4359 FT.

SEC. 34 TWP. 15 RGE. 29 W

ELEVATION: 2592 FT. GL, 2600 FT. KB

COUNTY: Gove, Kansas

STATUS: D & A - Mississippi Formation

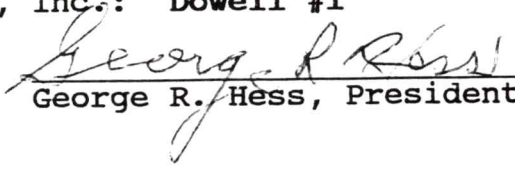
Size Hole Drilled: 12-1/4" x 219'  
Surface Casing: 8-5/8" x 20# x 209' (8 jts.)  
Set At: 219'  
Cement: 135 sacks 60/40 Pozmix, 2% gel, 3% cc  
P.D.: 8:45 p.m. 8/16/91

Size Hole Drilled: 7-7/8" x 4359'  
Plugged Hole With: 25 sacks @ 2010'  
100 sacks @ 975'  
40 sacks @ 250'  
10 sacks @ 40' w/wiper plug  
15 sacks rathole  
10 sacks mousehole  
200 sacks total - 60/40 Poz, 6% gel, 2 sx floceal  
P.D.: 1:10 p.m. 8/22/91

Drill Stem Tests: None Electric Log: None

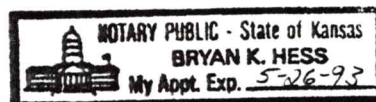
... CERTIFICATE ...

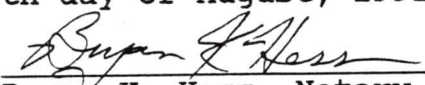
George R. Hess, President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Dowell #1

  
George R. Hess, President

STATE OF KANSAS      )  
COUNTY OF McPHERSON ) ss.

Subscribed and sworn to before me this 28th day of August, 1991.



  
Bryan K. Hess, Notary Public