DRILLERS LOG

15-083-21139-0000

COMPANY: JOHN JAY DARRAH, JR.

CONTRACTOR: MALLARD DRILLING CO., INC.
405 CENTURY PLAZA BLDG.
WICHITA, KANSAS 67202

RIG NO.: 1

TOTAL DEPTH: 4564'

COMMENCED: April 18,1984

CASING RECORD:

Surface: 12 jts. new 8 5/8" casing

Production: 110 jts. new 4 1/2" casing

WELL NAME: #2 SHAFFER

DESCRIPTION:

100'W of N/2 NE NW
7-24S-22W

COUNTY: HODGEMAN

ELEVATION: 2254' KB

COMPLETED: April 24,1984

FORMATION	FROM	TO
Surface soil,shale	0	1391
Anhydrite	1391	1430
Shale	1430	2195
Lime w/shale	2195	4490
Lime and chert	4490	4564

REMARKS

Ran 12 jts. new 8 5/8" x 24# casing set @ 524' w/landing joint. Cement w/ 285 sx. 60-40 pozmix, 3% CaCl, 2% Gel. Cement did circulate, plug down @ 1:00 a.m. April 19,1984. Job by Allied Cementing.

Ran 1 Drill Stem Test

Ran 110 jts. new 4 1/2" x 10.5# casing set @ 4562'. Cement w/ 100 sx. lite, 150 sx. 60-40 pozmix, 10% salt, 2% Gel. Plug down @ 12:03 p.m. April 24,1984. Job by Buie Co.

STATE OF KANSAS)
) SS.
COUNTY OF SEDGWICK)

I, JOHN JAY DARRAH, JR. of MALLARD DRILLING CO., INC., certify that this a true and correct copy of the log of the #2 SHAFFER well, to the best of my knowledge.

John Jay Darrah, Jr. President

Subscribed and sworn to before me this 9th day of MAY, 1984.

Patricia C. Byerlee
Notary Public , Patricia C. Byerlee

My commission expires:
December 11, 1985

RECEIVED
STATE CORPORATION COMMISSION
JUN 18 1984
CONSERVATION DIVISION
Wichita, Kansas