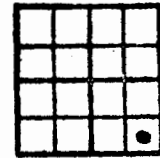


33-21-24W
C SE SE

33-21-24W

KANSAS



GABBERT-JONES, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

DEUTSCH #4
C SE SE, Sec. 33-21S-24W
Hodgeman County, Kansas

API #15-083-20,247

LOG TOPS:

Commenced: September 23, 1972
Completed: October 6, 1972

OPERATOR: OASIS PETROLEUM, INC.

0001 ANHY
0002 HEEB
0003 LKC
0004 BKC
0005 PAWN

Depth From To	Formation
0 70	Surface clay-sand
70 97	Sand
97 609	Shale-sand
609 1180	Shale-shells
1180 1400	Sand
1400 1696	Shale
1696 1738	Anhydrite
1738 2052	Shale
2052 2380	Shale-lime
2380 2673	Lime-shale
2673 2850	Lime
2850 3110	Lime-shale
3110 3945	Shale-lime
3945 4636	Lime
4636 4656	Core #1
4656 4689	Core #2
4689 4750	Lime-chert
4750 TD	

Ran 14 joints of used 2 1/2" csg. 14#
set @ 603' cemented w/325 sks cement
3% CC 2% Gel
P.D. @ 12:15 AM 9/24/72
Cement Circ.

Ran 153 joints of used 3 1/2" csg. 14#
set @ 4749' cemented w/150 sks Howcolite
100 sks Salt Sat 50-50 Posmix D.V. Tool
[1680' w/300 sks Howcolite
P.D. 7:05 PM 10/6/72



LOG TOPS:

ANHY	1690
HEEB	3946
LKC	3995
BKC	4380
Log f PAWN	4488
to the	4528
CHER	4552
CONG	4600
FRO MISS	4630
SAL MISS	4636
MISS OS	4694
STATILTD	4748
RTD	4750
COUNTY OF SEDGWICK	

. II, certify this is a correct copy of the Drillers'
the C SE SE, Section 33-21S-24W, Hodgeman County, Kansas
and belief.

James S. Sutton, II
James S. Sutton, II

Before me, the undersigned, a Notary Public within and for said County