

CONTRACTOR'S WELL LOG

OPERATOR: Texas Oil & Gas
 CONTRACTOR: Lakin Drilling Company
 WELL NAME: Graber-Cook A-1
 LOCATION: C-SE/4 25-24-41 W
Hamilton County, Kansas
 GEOLOGIST: _____
 SPUD DATE: 12-11-81
 COMPLETION DATE: 12-15-81

FOOTAGE:

<u>0</u>	<u>300</u>	<u>Clay & Sand</u>
<u>300</u>	<u>390</u>	<u>Shale</u>
<u>390</u>	<u>1115</u>	<u>Shale</u>
<u>1115</u>	<u>1881</u>	<u>Shale & Salt</u>
<u>1881</u>	<u>1894</u>	<u>Anhy</u>
<u>1894</u>	<u>2175</u>	<u>Shale & Anhy</u>
<u>2175</u>	<u>2475</u>	<u>Lime & Shale</u>
_____	<u>2475</u>	<u>T.D.</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

REPORT: Spud in @ 3:30 P.M. 12-11-81 12 1/4" Hole to 390'
Run 9 jts. 8 5/8" 23# 380.39 Set @ 387'
Cement with 225 sx. 35/65 Poz. 6% Gel 2% c.c. & 100 sx. "H"
3% c.c. Plug @ 1:00 A.M. 12-12-81 by Dowell.
Run 58 Jts. 4 1/2" 10.5# csg. 2467.82' Set @ 2473'
Cement with 100 sx. "H" 10% salt 3/4 of 1% D65
Completed @ 9:15 P.M. by Dowell Rig released 9:15 P.M. 12-15-81

* * * * *

State of Kansas County of Kearny
 Louis C Blankenship, Drilling Supt for Lakin Drilling Co, does hereby state that
 the above and foregoing is a true and correct copy of the log of the Graber-Cook A-1
lease; C SE/4 25-24-41 (legal): Hamilton (county); Kansas.