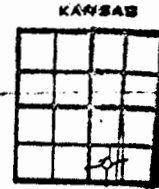


150' S C SW SE.

31-33-4W



MACK OIL COMPANY
Duncan, Oklahoma
73533

DRILLERS WELL LOG

#1 John

150' S C SW SE - SECTION 31-33S-4W
Sumner County, Kansas

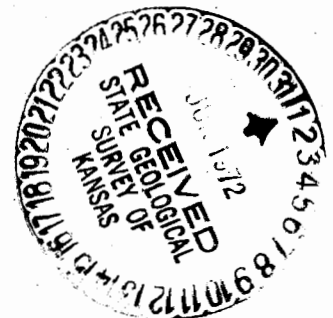
Commenced R.D.: 7-12-71 Elevation: 1247' K.B., 1238' G.L.

Completed R.D.: 7-27-71 Dry & Abandoned

Rotary Total Depth: 4798' Contractor: Thomas Drilling Company

LOG TOPSSTRATADEPTH

	3627	Redbed & Shale	0 - 265
BKC	3863	Shale	265 - 530
MARM	3955	Shale & Lime	530 - 1070
CHER	4091	Shale, Lime & Sand	1070 - 1276
MISS	4315	Shale & Lime	1276 - 1770
KH	4650	Shale & Sand	1770 - 2009
SEMP	4738	Shale	2009 - 2260
LTD	4748	Shale & Lime	2260 - 2440
F	4798	Shale & Sand	2440 - 2648
		Shale	2648 - 2927
		Shale & Sand	2927 - 2990
		Shale & Lime	2990 - 3185
		Shale & Sand	3185 - 3400
		Lime	3400 - 4105
		Shale & Lime	4105 - 4215
		Lime	4215 - 4646
		Lime & Shale	4646 - 4798



I hereby certify that the above is a true and correct log of said well as reflected by the daily drilling reports.

MACK OIL COMPANY

By

J. Corry Tinsmon
J. Corry Tinsmon

Signed and sworn to in my presence this