

36-13-20E

DRILLER'S LOG

API #15-045-20,975

Date 9/3/87		Tour Worked	
Operator Kinderhook		Contractor KO Drilling	
Address		Address	
Base Frank Gottstein	Well # 1	County Douglas	State Ks Legal

Formations	from	to	Formations	from	to
Soil & Clay	0	5	Lime	382	397
Sand w/lime shells	5	15	Shale	397	400
Sandy shale & shale	15	147	Lime w/ break	400	462
Lime w/shale streaks	147	173	Shale Black	467	470
Shale w/sandy lime	173	200	Lime Base KC	470	484
Lime	200	207	Shale w/ sand	484	65
Shale	207	241	Lime	653	658
Lime	241	257	Shale Black	658	672
Shale	257	278	Lime	672	679
Lime	278	293	Shale	679	694
Shale	293	321	Lime	694	697
Lime	321	338	Shale	697	70
Shale	338	355	Lime Oil Show	702	704
Lime	355	366	Shale	704	747
Shale	366	382	Sand Gas	747	759

Total Footage Drilled 964'	Total Footage Cored 20' 750'-770' 18' 826'-844'
Mud Used	Cement Used 8 sx surface supplied by Central Plains

Bits Used, Size and Type

Log Time Charged to Operator—Detail— Set surface on 9/3/87 40' of 6 5/8" used 8 sx Portland

Total JTS Drill Pipe on Location	Total in Hole
Total Drill Collars on Location	Total in Hole Footage
Cased—from to	Size Weight

Detail Accidents or Injuries—Remarks—Detail Repairs

RECEIVED
STATE CORPORATION COMMISSION

OCT 1 1987

Driller Raymond Klaus	Hrs.	Helper	CONSERVATION DIVISION Wichita, Kansas	Hrs.
Helper Bill Gaudern	Hrs.	Helper		Hrs.

