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GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **HABIT PETROLEUM LLC**
ELEVATIONS

LEASE **RUDEK 5-31**
KB 2046

FIELD
GL 2041

LOCATION **SW-SE-NE**
DF

SEC **31** TWP **14S** RGE **18W**
Measurements Are All From **KB**

COUNTY **ELLIS** STATE **KS**
CASING SURFACE @ **219**

CONTRACTOR **WHITE KNIGHT DRILL**
PRODUCTION

SPUD **8-2-19** COMP **8-6-19**
ELECTRICAL SURVEYS

RTD **3635** LTD
STACK-MICRO

MUD UP **2900'** TYPE MUD **CHEM.**
TO TD.

SAMPLES SAVED FROM **2900'**
TO TD.

DRILLING TIME KEPT FROM **2900'**
TO TD.

SAMPLES EXAMINED FROM **2900'**
TO TD.

GEOLOGICAL SUPERVISION FROM **2900'**
TO TD.

GEOLOGIST ON WELL **3200-TD**

FORMATION TOPS LOG SAMPLES

ANHY. 1242-78 804 1243-80

HEEBNER 3282-1236 3280-1234

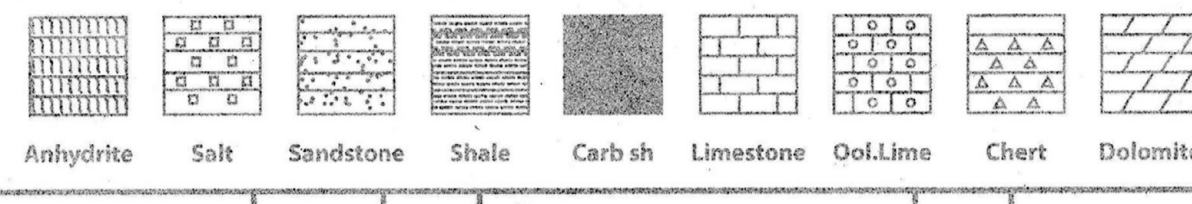
TORONTO 3302-1256 3301-1255

LKC. 3332-1286 3330-1284

BKC. 3568-1522 3567-1521

CONGL SS. net reached 3625-1579
RTD 3635-1589

LEGEND



DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases
5" 10" 15"

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2900'				
2950'				
3000'		Gray + green sandy silty shale		
3050'		Lms wh. gray Ft fossiliferous - fm barren varicol sh		
3100'		Lms wh. off wh chalky - fm Ft barren		
3150'		Black shale 3170-80		
3200'		Lms wh. + n chalky - cherty Ft barren		
3250'		Black shale 3230 sample		
3300'		Lms wh. off wh chalky - fm Ft barren varicol sh		
3350'		Lms wh. off wh chalky - fm Ft barren varicol sh		
3400'		Lms off wh calc + fossiliferous Ft vm fo st + nodular intert fossiliferous por		
3450'		Lms off wh Ft vm fo st intert + veg por		
3500'		Lms off wh - wh Ft fm barren - tritic st intert por		
3550'		Lms off wh + fo st intert por		
3600'		Lms wh chalky Ft tr fo st intert por		
3650'		Lms off wh - fm Ft barren varicol sh		
		ss fgr w chalk + lms inclusions m fo st + nodular ss fgr m. Adeq for st thr sample		

DST #1 3560-3635
Zone tested: Congl. SS
Blow: med 14 minutes bottom of bucket
Times: 45-45-45-45-30' GAF
Rec: 135' CO
255' Hoem 30' oil
190' soc mw
IBHP: 828/
FBHP: 782
FP: 22-152 157-267

REMARKS: All parties involved recommended that pipe be set. An open hole completion in the Congl. SS. is planned. Deepening to the Arbuckle in the future is recommended. B, C + E should be tested before abandoning. Respectfully submitted

[Signature]