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GEOLOGIC REPORT LOG

COMPANY: H&C Oil Operating, Inc.

WELL: Delbert Light #13-2
FIELD: Gerik
LOCATION: 1980' FNL & 1660' FEL
SEC. 13 TWP. 10s RGE. 26w
COUNTY: Sheridan
STATE: Kansas

10s 26w
13

PRODUCTION: LKC

ELEVATION		
KB	2569
DF	
GL	2562

OPERATOR: H&C Oil Operating, Inc.
CONTRACTOR: American Eagle, Rig #2
MUD: Mean Downing Pranger

Drilling Measurement	Top	Bottom
Surface Casing Date	3750	TD
Drilling Time Begins	3450	TD
Samples Examined From	3750	TD
Geological Supervision	3450	Total Depth
Mud Logging Unit	Mean Downing Pranger	

CASING RECORD
SURF: 8⅝" @ 222' 5½" @ 4100'
TOTAL DEPTH DRILLERS: 4100'
TOTAL DEPTH LOG: 4098'

CNL/CDL
DIL
MEL

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Topeka Anhydrite		2184	+393	+1
Base Anhydrite		2220	+349	+2
Topeka	3567	3564	-995	-2
Heebner	3776	3773	-1204	-1
Toronto	3803	3800	-1231	-1
LKC	3822	3819	-1250	-2
BKC	4063	4059	-1490	-2

REFERENCE WELL FOR STRUCTURE: H&C Oil Operating, Inc.
Delbert Light #13-1 2648' FSL & 2200' FEL Sec. 13 - 10s - 26w

DRILL STEM TESTS

No.	INTERVAL	FLOW TIME	SHUT-IN TIME	FLOW PRESS	SHUT-IN PRESS	RECOVERY

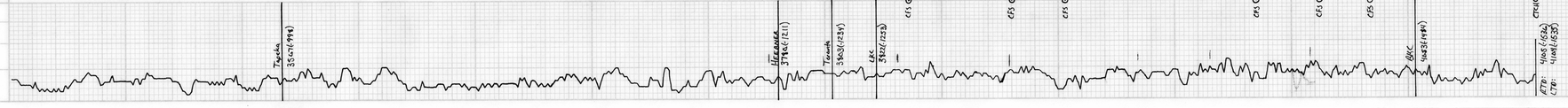
Due to structural position, DST recovery, & log evaluation, it was decided to set 5½" production casing for completion.

Perforate:

LKC K: 4014-21
J: 3995-4004
H: 3950-56
D: 3855-58
C: 3847-49

LEGEND: Anhydrite, Limestone, Shale, Sandstone, Dolomite, Chert, Oolite, Coal, Gypsum, Sandy, Cherty, Oolitic, Fossiliferous, Bituminous, Pyritic, Glauconitic, Micaceous, Calcareous, Dolomitic, Argillaceous, Silty, Fine Grained, Medium Grained, Coarse Grained, Porous, Dense, Stained, Fluorescent, Cut, Gas Show, Oil Show, Water Show, Bleeding, Free Oil, Free Gas, Odor, Trace, Fair, Good, Excellent

DRILLING TIME IN MINUTES PER FOOT



REMARKS

OIL SHOWS

SAMPLE DESCRIPTIONS

LITHOLOGY