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GEOLOGIC REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR	Black Diamond Oil, Inc.
LEASE	Black Diamond Oil, Inc.
LOCATION	2310' FSL & 2310' FEL
SECTION/TWP/RGE	Sec. 34 T17S R21E
COUNTY	Gove
STATE	Kansas
API #	15-063-21,734
SPUD	10/24/07
TOTAL DEPTH	4930'
ELEVATION	GL: 2298' KB: 2306'
CASING	8 5/8" @ 215' w/ 150 sks
DRILLING TIME	Every 10' from 3600' to TD
SAMPLES SAVED	From 3600' to TD
DRILLING MUD	Chemical
DRILLING TIME KEPT BY	Tim Priest
SAMPLES KEPT BY	Tim Priest
GEOLOGICAL SUPERVISION	Tim Priest
ELECTRICAL SURVEYS	Nabors Completion & Production Services Co.
FORMATION TOPS	Anhydrite, Base Anhydrite, Topeka, Heebner, Toronto, Lansing, Muncie Creek, Stark, BKC, Marmaton, Pawnee, Fort Scott, Cherokee Shale, Johnson Zone, Mississippian
ELECTRIC LOG	Dual Induction, Compensated Density/Neutron, Microlog
DST'S	4
CORES	None
SAMPLE QUALITY	Good

REMARKS: Due to the results of DST #1, it was decided to set production casing to further test the well.

Respectfully Submitted,

Tim Priest
Petroleum Geologist

API #15-171-21,036-00-00

LEGEND

Drilling Time | Gamma Ray | Resistivity | Porosity | Lithology | Sample Shows | Oil Shows | Gas Shows

DRILLING TIME IN Minutes Per Foot

DEPTH

SAMPLE DESCRIPTION / REMARKS

Anhydrite 2432(+874)

Base Anhydrite 2470(+836)

La: crm-tn gry, sltn wt, draw

Sh: red-gry

Ls:fine-tan, fn wt, chky, f wd sil pxl, NS

Ls: crm-tan-gry, fn wt, arg in pxl, no sil pxl

Ls: crm-gry mottl, fxs, sl chky, p-f int vf-sd pxl, NS

Sh: blk, carb

Ss:f-m sub-rnd, frosted grn, p sort, friable, NS

Ls: crm-tan-gry, fn wt, arg in pxl, no sil pxl

Ls: tan, sltn wt, sl fxs, draw

Sh: blk, carb

Sh: red-maroon

Ls: crm-tan, fn wt, chky, p-f int vf-sd in frag pxl, NS

Ls: crm, sltn wt, chky, draw

Ls: crm-tan, fn wt, fxs, p-f int vf-sd pxl, NS

Ls: crm-tan, fn wt, fxs, f int sd pxl, NS

Ls: crm-tan, fn wt, fxs, f int sd pxl, NS

Heebner 3687 (-381)

Sh: blk, carb

Sh: gry-dk gry, carb

Toronto 3706 (-400)

Ls:crm-tn gry, fn wt, fxs, sl chky, p-f int pxl, NS

Ls: crm-tan, fn wt, fxs, chky, p-f int pxl, NS

Sh: gry-dk gry, carb

Lansing 3729 (-423)

Ls: crm-tn gry, fn wt, fxs, f int pxl, ST/LTR/NO SS, chky, p-f int vf-sd pxl, NS

Sh: gry-dk gry

Ls:crm-tn gry, fn wt, fxs, p-f int vf-sd in frag pxl, NS

Sh: gry-dk gry

Ls: crm, sltn wt, fxs, sl chky, sd chky, p-f int vf-sd in frag pxl, NS

Ls:crm-tn gry, sltn wt, sl chky, p-f int vf-sd pxl, NS

Sh: dk gry-blk

Ls: crm, tn wt, fxs-sd, sol, chky, p-f int vf-sd pxl, NS

Sh: gry

Ls:crm-tan-gry, fn wt, fxs-sub xxn, chky, p-f int vf-sd frag pxl, NS

Sh: blk, carb

Ls:crm-tan, fn wt, fxs, chky, p-f int vf-sd pxl, NS