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GEOLOGIC REPORT LOG

API# 15-051-25388-00-00

COMPANY Elysium Energy, LLC

WELL Baumer 'B' #53
FIELD Bemis-Shutts E/2 SE
LOCATION 1400' FSL & 600' FEL
SEC. 27 TWP. 11s RGE. 17w
COUNTY Ellis
STATE Kansas

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 0 1 2005
CONSERVATION DIVISION
WICHITA, KS

27

PRODUCTION Arbuckle
ELEVATION KB 1998'
DF
GL 1990'

Drilling Measured From: KB
Samples Saved From 2900 To: TD
Drilling Time From 2800 To: TD
Samples Examined From: 2900 To: TD
Geological Supervision From 2900 To Total Depth
Wellsite Geologist Ron Nelson
Electrical Surveys ELI - Dual Ind, Density Neutron, Micro

OPERATOR Elysium Energy, LLC
CONTRACTOR Discovery Drilling Rig #1
COMM: 2-16-05 COMP: 2-20-05

CASING RECORD

SURF: 8⅝" @ 212' PROD: 5½" 3540'
TOTAL DEPTH DRILLERS: 3540'
TOTAL DEPTH LOG 3541'

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	1202	1204	+794	+10
Base Anhydrite	1236	1238	+760	+8
Topeka	2922	2922	-924	-5
Heebner	3160	3160	-1162	-9
Toronto	3184	3183	-1185	-7
LKC	3208	3208	-1210	-8
BKC	3443	3442	-1444	-1
Arbuckle	3474	3474	-1476	-4

REFERENCE WELL FOR STRUCTURE Elysium Energy's Baumer 'B' #51 @ 1680' FSL & 2000' FEL

DAILY PENETRATION

DATE	DEPTH

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

FORMATION	INTERVAL	DESCRIPTION OF SHOW	LOG ANALYSIS O	LOG ANALYSIS SW

DRILL STEM TESTS

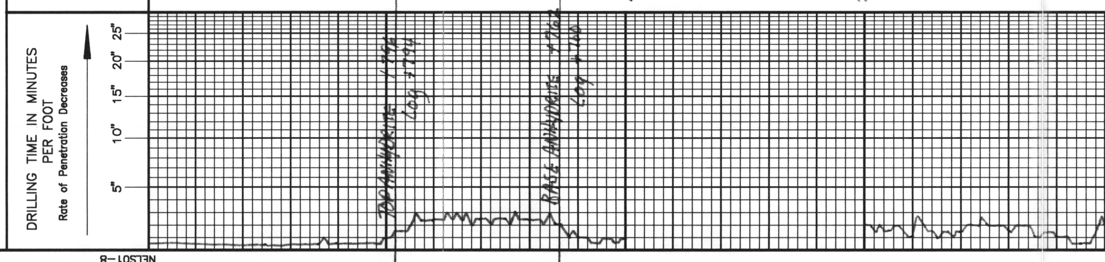
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY

REMARKS AND RECOMMENDATIONS

LEGEND

▦	▦	▦	▦	■	▦	▦	▦	▦
Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool.Lime	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 5" 10" 15" 20" 25"	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS



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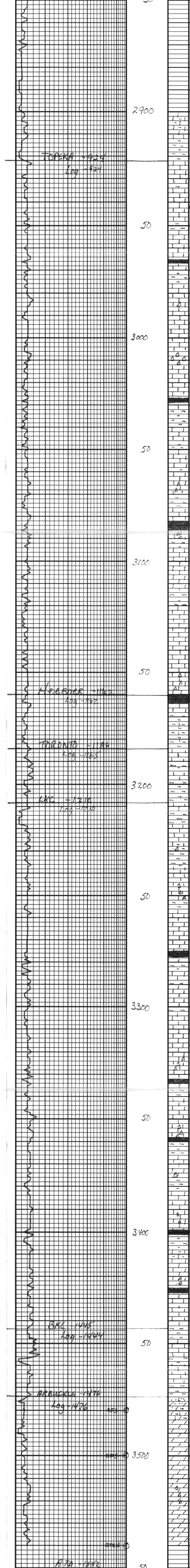

tan chky ls w/intbd gry sh

dk gry sh

Ls tan, fn - v fn xyln dns pr ixyl Ø NS fw w/sctd foss NS

Ls aa w/sm pyrt

sh gry - dk gry

Ls gry fn - v fn xyln dns pr ixyl Ø N.S.

Sh BLK CARB

sh v dk gry

Ls BRN - gry mst fn - v fn xyln all dns, pr ixyl Ø NS w/sctd cht tan

Ls tan fw pcs foss w/fr intfoss Ø N.S. mst dns fn xyln, pr Ø

cht tan gry, BRN

Ls tan w/sctd foss, fw pcs fr foss Ø N.S. chky in pt

Sh BLK CARB

sh gry - dk gry

Ls gry fn xyln DNS pr ixyl Ø NS. sm chky tan Ls w/gry sh

LS BRN - tan mod dns fn xyln Ls pr Ø NS.

Ls tan v fn - mic xyln dns pr ixyl Ø NS. w/cht tan brn

Sh gry BRN

v DNS gry Ls NS.

Sh BLK CARB

tan - gry cht & DNS LS, BLK cht gry sh

Ls tan fn - md xyln chky in pt sm dns, sm w/ sctd pr pp Ø 1-2 pcs trc vug Ø in v fn mat NS.

Sh Dk gry BLK

tan - BRN foss Ls fr int foss Ø N.S. sm chky in pt sm trng fn xyln DNS all NS.

DNS tan - BRN fn xyln Ls then chky tan Ls

DNS BRN - gry Ls w/trc cht N.S.

Sh BLK CARB

v DNS BRN Ls

Sh gry BLK BRN w/intbd tan chky Ls

Ls sm BRN foss sm fn grn mat, lt sat stn, ssfo, fr od, fr pp & microvug Ø 1-2 pcs crs vug Ø in v DNS gry tan Ls mat w/abdnt pyrt flks. v DNS tan - BRN Ls no app Ø NS.

Shs dk gry, gry BRN

v DNS BRN Ls pr Ø NS.

Sh RD BRN, BLK

Ls tan - BRN fn - v fn xyln, fw sctd foss, v pr ixyl Ø NS. fw pcs pyrt

Sh RD, BRN, grn

Ls tan - BRN all v fn xyln DNS pr ixyl Ø NS. w/ fw pcs BRN & tan cht

v Dk gry sh

Ls tan - wh, sm sl chky, sm v fn xyln & dns w/pr ixyl Ø. trc spt sctd brn stn NSfo, fr od mst dns barren v pr ixyl Ø trc cht

Sh BLK CARB

Dk gry

mstly dns brn - tan fn xyln Ls pr ixyl Ø NS w/gry sh

Ls brn fn suc xyln, fw sctd foss, sl od, ssfo, fr ixyl Ø trng v dns barren

Ls wh, sm v foss, fw sctd ools w/ fr int foss Ø fr od, sfo, trc vug Ø chky in pt sm fn suc xyln Ls w/sat brn stn gsfo, gd od, gd ixyl Ø trng mic xyln wh - tan v dns Ls w/ pr Ø N.S.

trc cht wh tan BLK

Sh BLK CARB

Sh v dk gry

Ls wh fw pcs sl ool fr ixyl & foss Ø w/ssfo, sctd brn stn

v DNS wh - BRN mic xyln Ls NS. w/cht

Shs BLK CARB dk gry

Ls wh - tan mst dns pr ixyl Ø NS. fw w/sctd foss in v dns brn Ls mat w/cht

Dk gry sh

Ls tan - BRN mic xyln v v dns v pr ixyl Ø NS.

trng gry w/cht

Sh BLK CARB

Sh dk gry

Ls tan - BRN, v fn - mic xyln v dns pr ixyl Ø N.S. sm pcs wh mic xyln Ls v dns

Sh BLK CARB

Ls BRN, mst fn xyln dns. 1-2 w/ leached sctd vug Ø. sfo, fr od. sm v tite w/stn mst barren & DNS w/ fw pcs cht

Sh Rd BRN gry

mic xyln v dns tan Ls v pr Ø N.S.

rd & BLK sh

DNS tan - wh v fn xyln Ls NS.

Sh grn gry

fw pcs tan - wh md rhom xyln dolo w/gd ixyl stn sfo, gd od, sm crs rnd snd grns w/edge stn, fw pcs cht still w/sm Ls mat

DOLO tan - BRN sm fn rhom xyln w/fr ixyl Ø sfo, v gd od, lt sat stn fw pcs v ugd, sat stn sm md xyln w/gd vug Ø gsfo v gd od BRN sat stn w/sm lmy dolo

dolo tan, fn rhom - suc xyln, fr ixyl Ø. fsfo gassy gd od, sm gd sat, prob frac Ø sm grn sh

DOLO BRN w/fn suc xyln, vgd sat. gsfo vgd gassy od w/free oil on spl cups, sm tan rhom xyln dolo w/fr ixyl Ø & prob frac planes sfo, fw pcs ool sndy cht w/gd stn & sfo sm sctd free cht, gry wh. & sm grn sh

DOLO tan - wh, sm w gd sat stn & sfo, sm w/gd ixyl Ø much tight prob frac Ø stn on edges w/cht

DOLO TAN mst fn rhom xyln fr ixyl Ø, sm v tite, much less stn, still gd od sfo

LTD -1543

Ron Nelson

5" 10" 15" 20" 25" DRILLING TIME Minutes/Foot Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

OPERATOR Elysium Energy LLC
LEASE Baumer B #53 IP ARB
ELEVATION 1998' KB RTD 3540'

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COUNTY Ellis STATE Kansas