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 James C. Musgrove
 Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Blueridge Petroleum Corp.
 LEASE Savage - Smith #5-11
 FIELD Pollnow Southeast
 LOCATION 1295' ENL & 1185' ENL (SE-56- NW-NW)
 SEC 11 TWPSP 3 1/4 RGE 29W
 COUNTY Decatur STATE Kansas
 CONTRACTOR Southwind Drilling Co (rig #8)
 SPUD 9/15/14 COMP 9/21/14
 RTD 3840 LTD 3836
 MUD UP 3184 TYPE MUD Chemical displaced

ELEVATIONS
 KB 2606
 DF _____
 GL 2597
 Measurements Are All From -KB-

SURFACE CASING
 PRODUCTION -none-
 ELECTRICAL SURVEYS
DIL, CDL/OLY, PE
Sonic & micro

SAMPLES SAVED FROM 3300 TO _____
 DRILLING TIME KEPT FROM 3300 TO _____
 SAMPLES EXAMINED FROM 3300 TO _____
 GEOLOGICAL SUPERVISION FROM 3400 TO _____
 GEOLOGIST ON WELL Crintis, Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
<u>Anhydrite</u>	<u>2308 +298</u>	
<u>Basal anhydrite</u>	<u>2340 +266</u>	
<u>Heebner</u>	<u>3565 -959</u>	
<u>Toronto</u>	<u>3596 -990</u>	
<u>Mansting</u>	<u>3606 -1000</u>	
<u>Base Kansas City</u>	<u>3806 -1200</u>	
<u>RTD</u>	<u>3840 -1234</u>	
<u>LTD</u>	<u>3836 -1230</u>	

REMARKS

The Savage-Smith #5-11 was plugged & abandoned at the RTD 3840-1234

Respectfully Submitted
James C. Crintis
Musgrove
 Petroleum Geologist



LEGEND

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

DRILLING TIME (Logarithmic Scale)

HL

YGOT

Logarithmic Scale)

LITHO

DEF

.5 1 2 3 4 5 10 15 20 30

SAMPLE DESCRIPTIONS

REMARKS

20

40

60

80

3400

20

40

60

80

3500

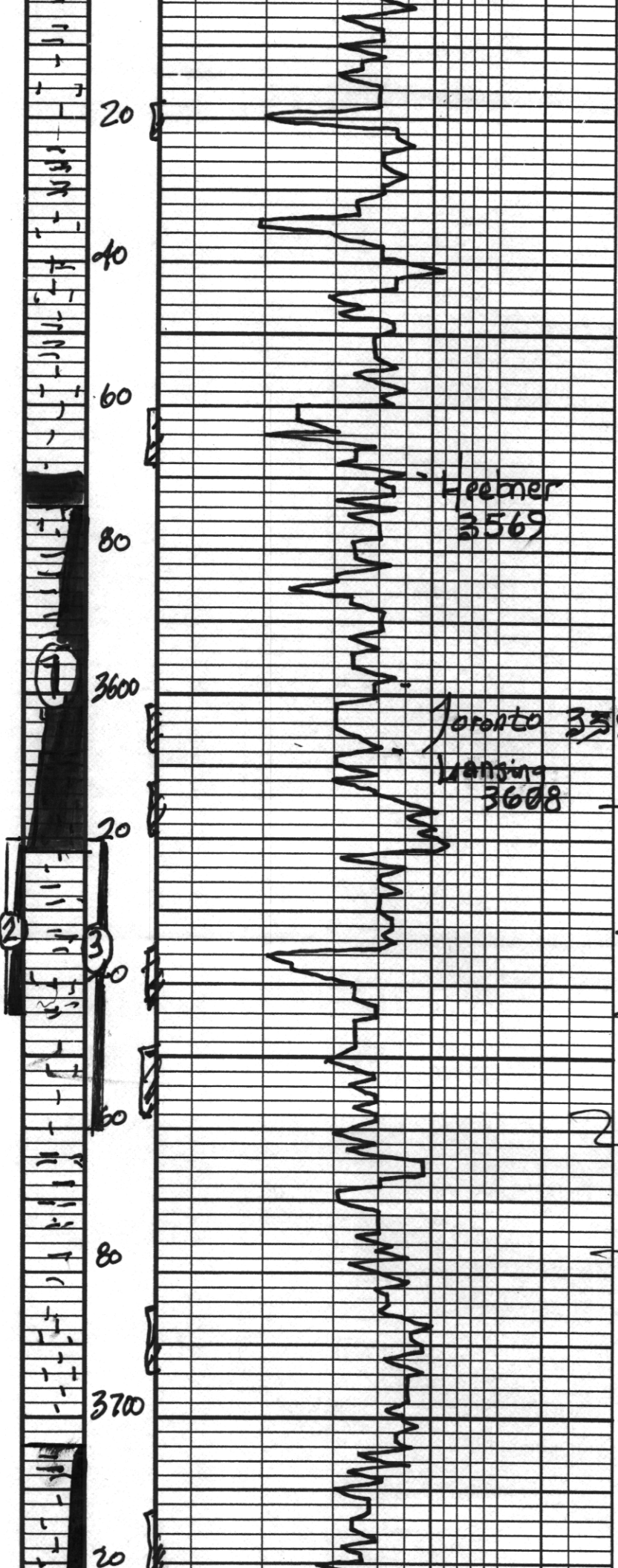
ls, gray/ten, fxt,
few dy - dense
poro

sd, gray, wh, fxt, sub
rounded, well-sorted ml

ls, wh, fxt, foss,
slight dy

gm/green sh
27

27
Jr blk carb sh.



ls, wh/gry. foss, scanty
cherty sh

v.c. soft sh.

ls, wh/gry; cherty

gr. gy/mar sh

ls, wh. gry, fxl, few
foss; few gran sh

Heebner
3569

blk carb. sh.

ls, crm; tan; fxl; Poor
sh

slug mar/red-gry
soft sh

Dst # 1 3574-3622

30-45-45-60
Blow, fair (3')

2nd opening; fair (5 3/4')

Rec; 3' clean oil
52' slightly oil
cut mud
(370 oil; 979 mud)

Toronto 3598
Wansing
3608

ls, crm, fxl slightly
dy, blk str, Jr. fo,
ft. odor

ls, wh/crm, fxl;
few ool; poor vis o;
Jr. brown str, wk sfo,
fb-odor

downy; mar-green
sh + fcs

pressures
Isip 1115 psi
fsip 1110 }
Isip 10-28 }
fsip 33-34 }
MSH
1688-1694 ps.

ls, crm; wh, ool; highly
cherty; brown/blk brown
str; sfo; ft. odor.
few slightly dy

ls, wh/crm, fxl;
ool cherty; Jr. brown
str, Jr. fo, ft. odor.

slug mar/red sh.

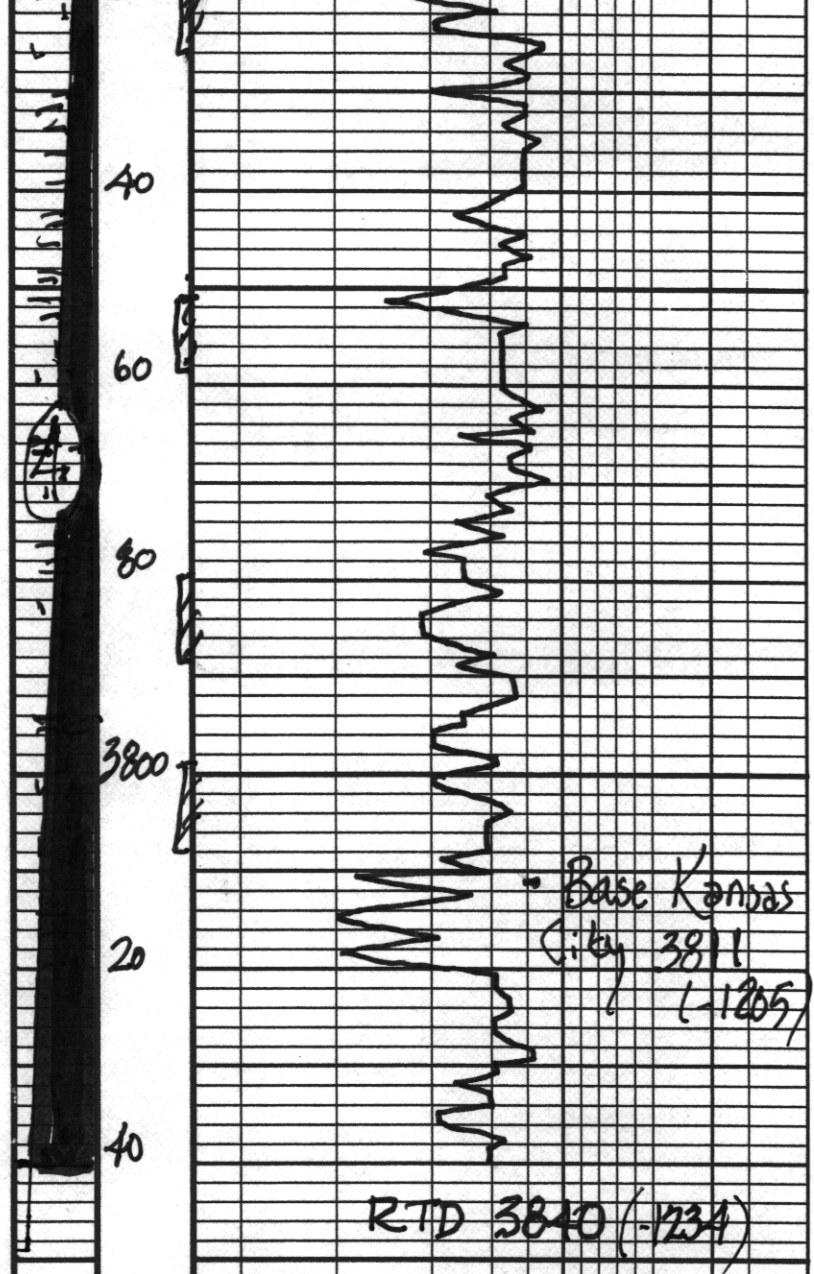
Dst # 2 3620-3644
30-30-20-45
Blow; weak (surface)

2nd opening; nme
Rec; 1' slightly
oil cut mud
(490 oil; 9670 mud)

ls, wh/crm, fxl,
few ool, slightly dy
Jr. brown str, Jr. fo,
no odor. Poor vis o

gry/mar-brick red sh

pressures Isip 15 ps
fsip 14 }
Isip 6-9 }



ls, wh, gm, fr, b
 few foss, splnd calcite
 cement; ? ? stn, nsto
 no odor

ffp 8-9
 HSH
 1742
 -1721

DST # 3

abund; mar/rusty
 brown sh.

3620-3660
 30-30-20-20

ls; wh/gry; fr, b
 foss, cherty, gry/brown
 blk stn, nsto, no odor.

Blow, weak (1/2")
 Endopening; none

mar/brick red sh

Rec 10' socm
 (270oil; 987 mud)

ls; wh/gm; fr, b few
 foss; cherty → Δy
 poor vis o' ml

pressures; Isip 60 ps
 Isip 28 ps
 ffp 11-14 }
 ffp 12-14 }
 HSH
 1703
 -1712 ps

mar/brick red-gry sh
 ls; tan, highly ool; dense

DST # 4
 3704-3840
 30-30-30-45

mar/purple-green sh

Blow, weak
 Rec; 50' mud

ls; wh/gm - con, cherty
 Δy
 f f. gry A
 slug v.c. sh.

pressures; Isip 1272 ps
 Isip 1211 }
 ffp 19-27 }
 ffp 27-35 }
 HSH
 1820
 -1803 ps

RTD 3840 (-1234)

Base Kansas
 City 3811
 (-1205)