**OPERATOR** 

Company: TDI, INC.

1310 BISON ROAD Address: HAYS, KANSAS 67601

TOM DENNING Contact Geologist: Contact Phone Nbr: 785-628-2593 Well Name: VIOLA#1

> Location: SW NE NW SE, Sec.15-10s-17w API: 15-163-24,186-00-00 Pool: **WILDCAT** Field: UNNAMED

**KANSAS** State: Country: USA



Scale 1:240 Imperial

Well Name: VIOLA#1

Surface Location: SW NE NW SE, Sec.15-10s-17w

**Bottom Location:** API:

15-163-24,186-00-00

2280' FSL & 1700' FEL

License Number: 4787 Spud Date: 4/23/2014 Time: 5:00 PM Region: **ROOKS COUNTY Drilling Completed:** 4/28/2014 Time: 8:08 PM

Surface Coordinates: **Bottom Hole Coordinates:** 

Ground Elevation: 2080.00ft K.B. Elevation: 2090.00ft

2900.00ft Logged Interval: To: 3775.00ft

Total Depth: 3775.00ft

Formation: LANSING-KANSAS CITY Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES** 

Well Type: Vertical Longitude: -99.2013119 Latitude: 39.1823744

N/S Co-ord: 2280' FSL E/W Co-ord: 1700' FEL

LOGGED BY



SOLUTIONS CONSULTING, INC. Company:

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

**GEOLOGIST** Name: HERB DEINES Logged By:

CONTRACTOR

SOUTHWIND DRILLING, INC. Contractor:

Rig #: Rig Type:

**MUD ROTARY** 

Spud Date: 4/23/2014 Time: 5:00 PM 4/28/2014 8:08 PM TD Date: Time: 4/29/2014 3:30 PM Rig Release: Time:

**ELEVATIONS** 

Ground Elevation: K.B. Elevation: 2090.00ft 2080.00ft

K.B. to Ground: 10.00ft

**NOTES** 

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON RESULTS OF DST # 1, FAVORABLE STRUCTURE AND NUMEROUS MINOR SHOWS IN LKC BENCHES.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

## FORMATION TOPS COMPARISON AND CHRONOLGY OF DAILY ACTIVITY

VIOLA #1 **BICE #1-3** BICE # 1 **SW NE NW SE NE NW SW E2 NE NW SE** SEC.15-10S-17W SEC.15-10-17W SEC.22-10-17W 2080'GL 2090'KB KB 2087' KB 2040'

**FORMATION LOG TOPS** LOG TOPS LOG TOPS

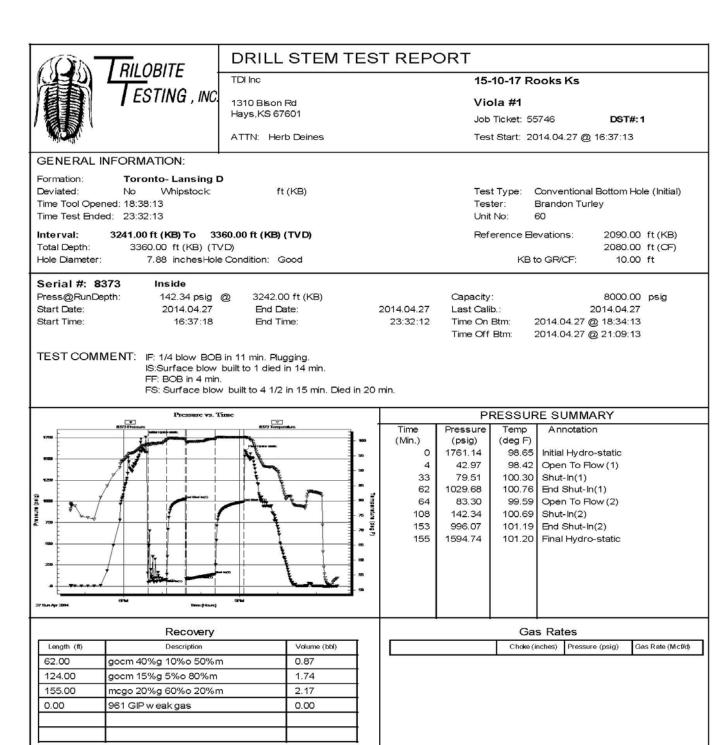
**Anhydrite** 1334 +756 + 737 +744 **B-Anhydrite** +711 1372 +718

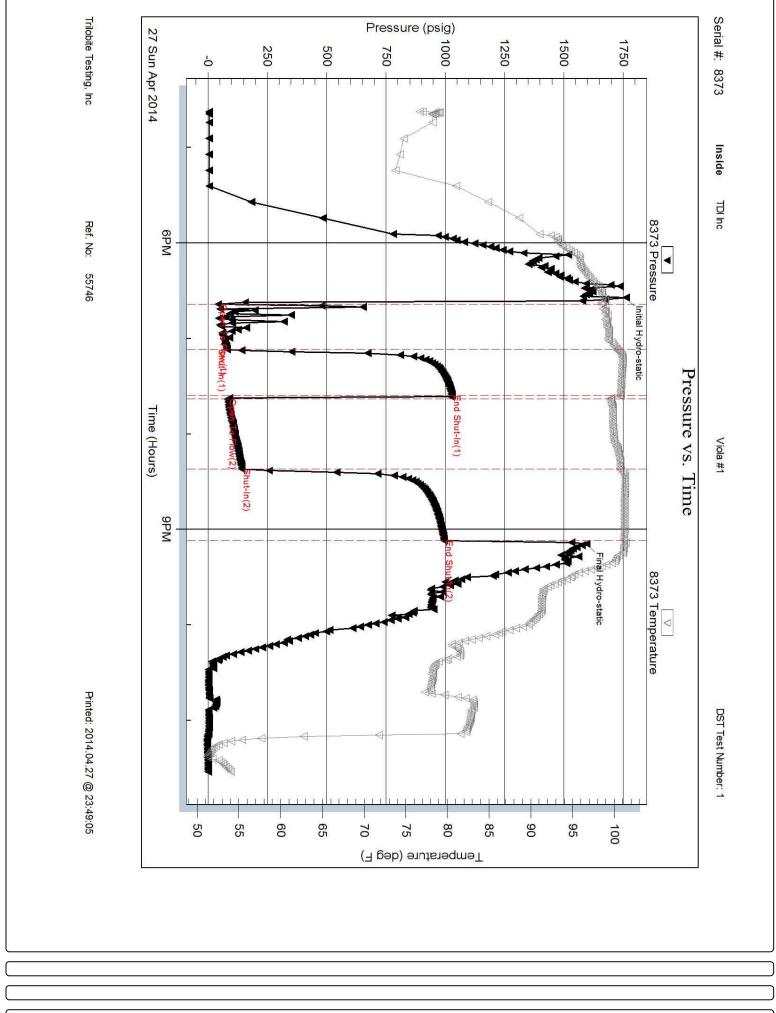
горека	3023 -933		- 953
Heebner Sh.	3243-1153	-1167	-1174
Toronto	3261-1171		-1198
LKC	3283-1193	-1204	-1218
ВКС	3527-1437		-1455
Conglomerate	3572-1482	-1492	-1498
Simpson Shale	3639-1549	-1553	-1585
Simpson Dol.	3648-1558		-1594
Arbuckle	3673-1583	-1584	<b>-161</b> 5
RTD	3775-1685	-1634	-1658

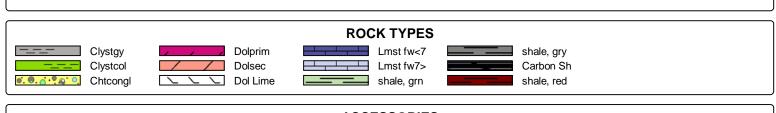
## **SUMMARY OF DAILY ACTIVITY**

4-23-14	RU, Spud 5:00 PM, set 8 5/8" surface casing to 223.83' w/ 150 sxs
	Common 2%Gel 3%CC, slope 1 degree, plug down 11:45PM
4-24-14	224', WOC, drill plug 7:45AM
4-25-14	1970', drilling
4-26-14	2699', drilling, displaced 2573' to 2593'
4-27-14	3280', CFS 3230', CFS 3280', short trip 25 stands, CFS 3360', TOWB,
	DST # 1 3241' to 3360' Toronto-"D" LKC
4-28-14	3445', drilling, RTD 3775' @8:08PM, CCH, TOWB
4-29-14	3775', finish logs, TIWB, LDDP, run 5 ½" production casing, RD

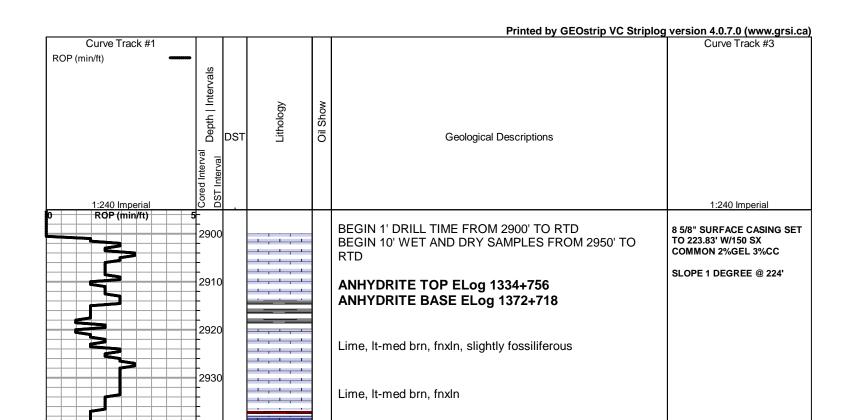
## DST # 1 3241' TO 3360' TORONTO TO "D" ZONE LKC

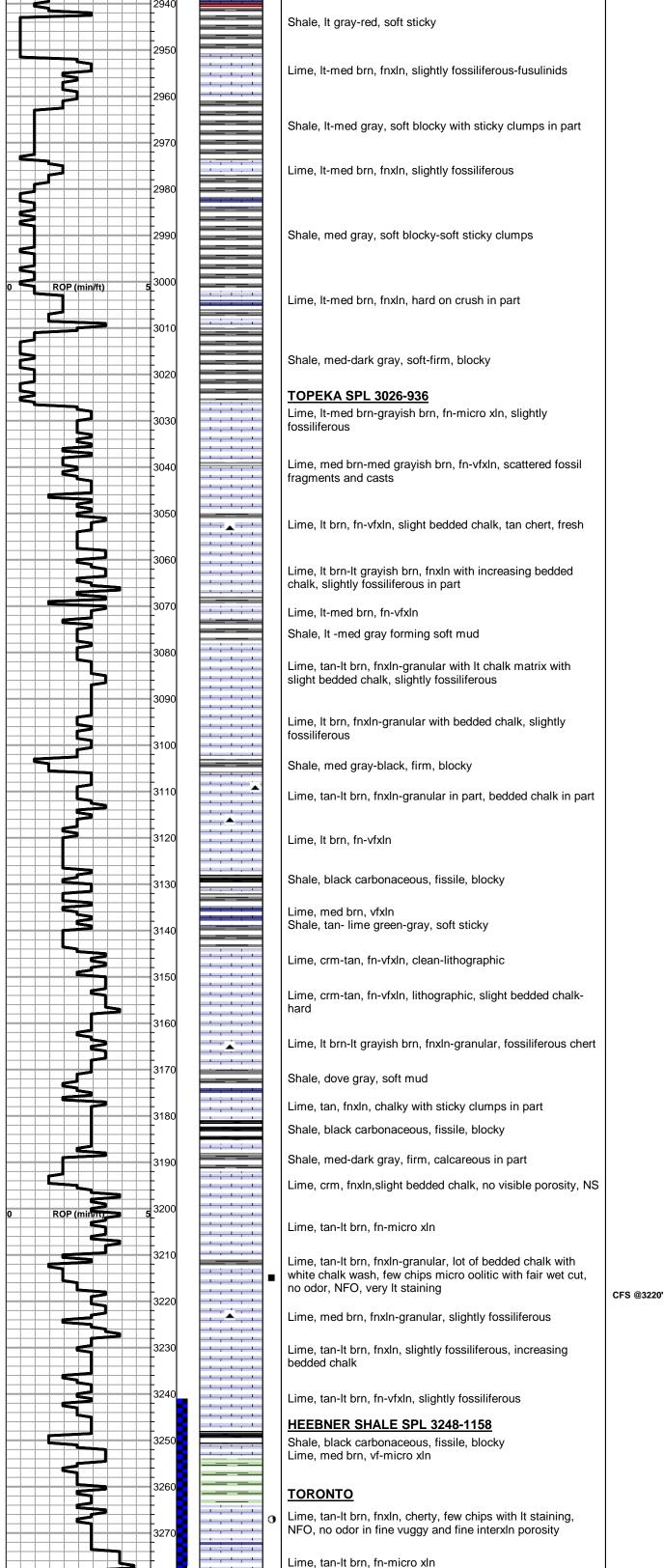






## ACCESSORIES MINERAL ▲ Chert, dark ★ Mineral Crystals P Pyrite





CES & SHOPT TPIP @3280'

