



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
370 West Wichita Avenue - P.O. Box 352 PO Box 763
Russell, KS 67665 Hays, KS 67601

Lease: Stranger Valley # 1 Location: 640 FNL - 820 FWL
SW/NE/NW/NW
Section 31/ 12S/ 14W
Russell County, KS

Loggers Total Depth: 3350' API#15- 167-23,960-00-00
 Rotary Total Depth: 3350' Elevation: 1809 GL - 1817 KB
 Commenced: 4/8/2014 Completed: 4/16/2014
 Casing: 8 5/8" @ 262.70'W/160sks Status: D & A

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>911'</u>
Dakota Sand	<u>319'</u>	Shale & Lime	<u>1501'</u>
Shale	<u>434'</u>	Shale	<u>1810'</u>
Cedar Hill Sand	<u>467'</u>	Shale & Lime	<u>2462'</u>
Red Bed Shale	<u>608'</u>	Lime & Shale	<u>2949'</u>
Anhydrite	<u>870'</u>	RTD	<u>3350'</u>
Base Anhydrite	<u>911'</u>		

STATE OF KANSAS)
) ss
 COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

Subscribed and sworn to before me on 4-21-14

My Commission expires: 8-9-15

(Place stamp or seal below)

Notary Public

