

116 EVES DRIVE
 RUSSELL, KANSAS 67665

785-483-0492

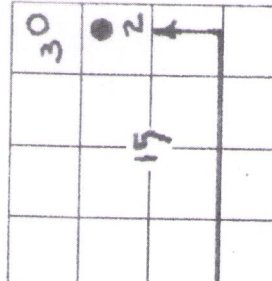
GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNNERT OIL & LEASING, INC.
 LEASE Barons Brothers #3
 FIELD Wagloo
 LOCATION 330' FNL 535' FEL
 SEC 15 TWP 12S RGE 13W
 COUNTY Russell STATE KANSAS
 CONTRACTOR SHIELDS OIL PROPOSERS, INC.
 SPUD 3-8-2014 COMP 3-15-2014
 RTD 3230 (-1525) LTD 3228 (-1523)
 MUD UP 2400' TYPE MUD CHEMICAL
 SAMPLES SAVED FROM 2600' TO RTD
 DRILLING TIME KEPT FROM 2500' TO RTD
 SAMPLES EXAMINED FROM 2600' TO RTD
 GEOLOGICAL SUPERVISION FROM 2600' TO RTD
 GEOLOGIST ON WELL BRAD S. HUTCHISON

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	730 +975 (+5)	734 (+971)
LOPEKA	2624 -919 (-5)	2628 (-923)
HEEBNER	2856 -1151 (-6)	2860 (-1155)
TORONTO	2896 -1171 (-7)	2880 (-1175)
LANSING	2914 -1207 (-7)	2916 (-1211)
BRASS KANSAS CITY	3195 -1420 (-5)	3199 (-1494)

↑ fractured compaction



MARKS It was recommended based on sample analysis, testing data, and analysis that 5/2" production string be set and cemented at 3225' and the following zones to be tested thru perforations and acid stimulation.
 ANSING 2956-30 ' C
 2941-44 ' B
 Specially Submitted,
 Brad S. Hutchison
 Road S. Hutchison

LEGEND

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

DRILLING TIME

HL