



PETROLEUM GEOLOGIST

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR:	Russell Oil, Inc.	WELL NO.:	#12
LEASE:	Conner	FIELD:	Carroll
API-#:	15-009-25.670	LOC.:	1460'FN & 1225'FE
SEC.:	21	TWP.:	17S
RNG.:	14W	STATE:	Kansas
COUNTY:	Barton	DATE:	1901
CONTRACTOR:	Southwind Drilling Rld #2	MEASUREMENTS:	Are All
COMPL.:	3-13-2012	FROM:	KB
RTD.:	3-440	LOG TO:	3443
SAMPLES SAVED FROM:	2800	TO:	TD
DRILLING TIME SAVED FROM:	2800	TO:	TD
SAMPLES EXAMINED FROM:	2800	TO:	TD
GEOLOGICAL SUPERVISION FROM:	290	TO:	TD
MUD UP:	2600	MUD TYPE:	Chemical

FORMATION:	Top	Log	Bottom	Top	Sample	Bottom	Structural
Anhydrite	845	(+045)	862	(+045)	NA	NA	NA
B/Anhydrite	895	(+015)	892	(+015)	NA	NA	NA
Topeka	2824	(-914)	2820	(-914)	Fract	Fract	Fract
Heebner	3057	(-147)	3054	(-147)	Fract	Fract	Fract
Toronto	3068	(-158)	3066	(-158)	Fract	Fract	Fract
Brown Lime	3122	(-122)	3120	(-122)	Fract	Fract	Fract
Lansing	3131	(-122)	3128	(-122)	Fract	Fract	Fract
Munice Creek	3264	(-1354)	3262	(-1352)	Fract	Fract	Fract
B/K/C	3349	(-1439)	3350	(-1440)	Fract	Fract	Fract
Arbuckle	Not Present		Not Present		Fract	Fract	Fract
Granite Wash	3420	(-150)	3418	(-1508)	Fract	Fract	Fract
RTD	3443	(-1533)	3440	(-1530)	Fract	Fract	Fract

DE: _____	KB: 1910
GL: 1901	ELEVATIONS
From: KB	
CASING RECORD	
Surface 8 5/8" set at 872 w/375 SX	
Casing 340 w/150 SX	
Production 5 1/2" set at 340 w/150 SX	

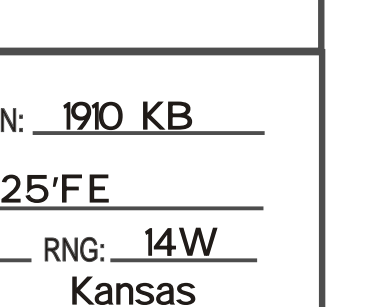
DUAL COMP. POROSITY
SURVEYS

FORMATION: Top Log Bottom Top Sample Bottom Structural

ANHYDRITE OOL LIME DOLOMITE SANDSTONE SHALE CARB SHALE CHERT ANHYDRITE

DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
850		Anhydrite	EL 865 (+045)
		B/Anhydrite	EL 895 (+015)
2800		Topeka	EL 2824 (-914)
2900		Plattsmouth	EL 3057 (-147)
3000		Heebner	EL 3068 (-158)
3100		Toronto	EL 3122 (-122)
3100		Lansing	EL 3131 (-122)
3100		"B/C"	
3200		"F"	
3200		Mun Crk	EL 3264 (-1354)
3300		"J"	
3300		"K"	
3300		B/KC	EL 3349 (-1439)
3400		Granite Wash	EL 3420 (-150)

OPERATOR:	Russell Oil, Inc.	LOCATION:	1460'FN & 1225'FE
LEASE:	Conner	WELL NO.:	#12
API:	15-009-25.670	FIELD:	Carroll
SEC.:	21	TWP.:	17S
RNG.:	14W	STATE:	Kansas



ELEVATION: 1910 KB