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GEOLOGIST'S REPORT
Drilling Time and Sample Log

COMPANY AD ASTRA LLC LEASE BECKER FIELD FRED LOCATION 335FNL/716FEL SEC 14 TWSP 9S RGE 21E COUNTY LEAVENWORTH STATE KANSAS	ELEVATIONS KB 1117 DF GL 1117 Measurements are all from GL
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CONTRACTOR HAT SPUD OCT 7 2017 COMP OCT 2017 RTD 2098 LTD 2088 MUD UP UNDER SURFACE TYPE MUD CHEMICAL	CASING SURFACE 64' PRODUCTION
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SAMPLES SAVED FROM 1300 TO TD DRILLING TIME KEPT FROM 1200 TO TD SAMPLES EXAMINED FROM 1300 TO TD GEOLOGICAL SUPERVISION FROM 1300 TO TD ALL GEOLOGIST ON WELL CHRIS BEAN	ELECTRICAL SURVEYS CNDL/DIL
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FORMATION TOPS	LOG	SAMPLES	
LNSG			No Shows in McClouth SS. Brgs SS: Very Poor Show (Thin). Miss 4 upper show zones of interest before we get dark heavier oil as in Becker 5. 11:00 a.m. CFS to Displace add LCM 1478 m.d. DESCRIPTION FORM BECKER 5 WOL 9S21E14 TOPS SUB position to becker 5 structure FORM BECKER 7 9S21E14 TOPS SS LM LNSG NA LNSG SH LM BKC NA BKC 6 COALS CHRK NA CHRK SS MCU 1304 207 -12 MCU 1338 (221.00) SS MCL 1356 259 -2 MCL 1378 (261.00) SS BRG 1420 323 -1 BRG 1450 (333.00) LM MISS 1438 341 +8 MISS 1453 (336.00) LM WAR WAR 1555 (438.00) SH GRY PYR KHK NA KHK 1810 (693.00) HNTN NA #VALUE! HNTN 1885 (768.00) DEV LMY DOLOMITELTGY BUFF XLNXTX LWR CHRT WHIT
BKC			
CHRK SHALES			
MCLOUTH SS	1338 -221/-12	1340	
L MCLTH SS	1378 -261/-2	1348	
BRGSS	1450 -333/-1	1455	
MISS	1452-33/+8	1453	
WARSAW	1555 -438	1560	
CHERT	1605 -768	1605	
KNDRHK SH	1810 -693	1810	
HNTN DOL	1885 -768	1885	
TD	2098	2088	