

4350 Keystone  
Hays, KS 67601  
PHONE: 785-625-5155

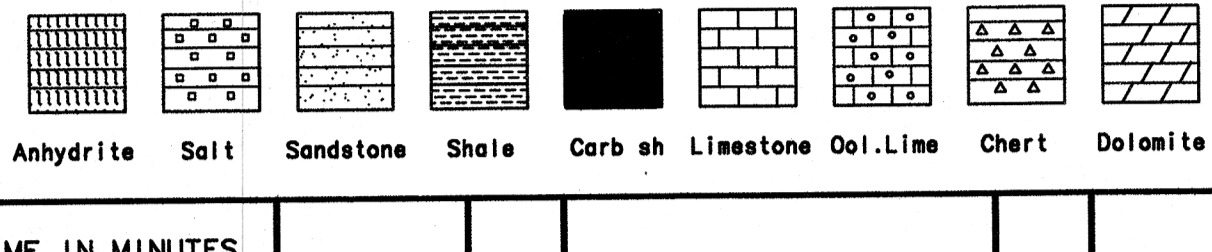
**GEOLOGIST'S REPORT**

DRILLING TIME AND SAMPLE LOG

COMPANY <u>Casale Resources Inc</u>	ELEVATIONS
LEASE <u>Worley #1</u>	KB <u>3133</u>
FIELD <u>Wildcat</u>	DF _____
LOCATION <u>586' FSI 1655' Fwi</u>	GL <u>3128</u>
SEC <u>16</u> TWP <u>2S</u> RGE <u>34W</u>	Measurements Are All From <u>KB</u>
COUNTY <u>Rawlins</u> STATE <u>Kansas</u>	CASING SURFACE <u>8 7/8" x 30.5'</u>
CONTRACTOR <u>Labrite Kaibab Drilling</u>	PRODUCTION _____
SPUD <u>1-16-18</u> COMP <u>1-24-18</u>	ELECTRICAL SURVEYS <u>DIL/ND-Micro</u>
RTD <u>4360</u> LTD <u>4361</u>	
MUD UP <u>3500</u> TYPE MUD <u>Chem</u>	
SAMPLES SAVED FROM <u>3600'</u>	TO <u>TD</u>
DRILLING TIME KEPT FROM <u>3600'</u>	TO <u>TD</u>
SAMPLES EXAMINED FROM <u>3600'</u>	TO <u>TD</u>
GEOLOGICAL SUPERVISION FROM <u>3600'</u>	TO <u>TD</u>
GEOLOGIST ON WELL <u>24th - 23rd</u>	
FORMATION TOPS	LOG
ANhydrite	2940 + 193 2937 + 196
Topoka	3840 - 787 3838 - 705
Heebner	4010 - 877 4007 - 874
L-KC	4054 - 921 4048 - 915
B-KC	4318 - 185 4315 - 182
RTD	4361 - 128 4360 - 127

REMARKS: All parties involved recommended that this well be plugged.

LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
3600'		Lms wh. offsh Chalky - fm Fx barren w/ Alt Red shales		
3650'		Lms offsh - buff colored Fx Cherty Foss Fx barren w Alt Red shales		
3700'		" "		
3750'		" "		
3800'		Lms offsh tr live st VM dead st inter Per fm interst Per cherty in pt sh red some silty		
3838-705'	Topoka	Lms offsh Foss cherty Fx tr VM dead st interst + Per		
3850'		Lms offsh Fx Foss barren tr dead st		
3900'		Lms offsh Fx Foss barren tr dead st		
3950'		Lms Dolomitic Fx offsh - gray fm barren		
4000'	Heebner	Gray + Rd sh inc Black + gray sh Lms offsh - gray Fx VM heavy FO + st VM Asphaltic oil interst + Foss por Black sh inc 20		DST #1 4003 - 4060 Blow: Weak Rec: 15' mud IBHP: 1095 FBHP: 1023 FP: 13-15 17-18
4048-915'	L-KC	SS Fgr well sorted barren interst Per Gray silty		
4050'		Lms offsh - gray Fx Foss fm interst + Foss por + VM VM-M FO + st VM heavy FO + st		
4100'		Lms offsh Fx barren sample poor 90% shale		
4150'		Black + Rd sh inc		
4200'		Lms wh. offsh Fr - fm Foss barren		
4250'		Lms wh. offsh Foss tr live + dead st tr condensate on top of cup. ? diesel?		
4300'		Lms offsh - wh Fx - m VM FO + st interst + Foss Per 60.		DST #2 42901 - 4360 45-528' 10 Blow: weak-dies Rec: 5' mud IBHP: 57# FBHP: FP: 15-18
4300'		Black sh inc		
4315-182'	B-KC	Lms offsh fm Fx Foss in pt barren		
4350'		Lms offsh Fr Fx Lms Foss VM Foss st interst + Foss Per - Almost conden Rd sh inc		
4350'		SS gray silty barren		

GREEN01-7