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13-11s-17w

15-051-25790-0000

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Castle Resources Inc.
LEASE Pearl Cress #2A
FIELD Bemis
LOCATION 525'FNL 1525'FEL
SEC 13 TWSP 11S RGE 17W
COUNTY Ellis STATE KS
CONTRACTOR Murfin Drlg Rig #24
SPUD 7-11-08 COMP
RTD LTD
MUD UP 2600' TYPE MUD Chem.
SAMPLES SAVED FROM 2600' TO td
DRILLING TIME KEPT FROM 2600' TO td
SAMPLES EXAMINED FROM 2600' TO td
GEOLOGICAL SUPERVISION FROM 2600'
GEOLOGIST ON WELL 15th-16th

ELEVATIONS
KB 1802
DF
GL
Measurements Are All From KB

CASING
SURFACE
PRODUCTION

ELECTRICAL SURVEYS
RAG-Micro

FORMATION TOPS	LOG	SAMPLES
Anhy.	986 816	986 816
Topeka	2706-904	2706-904
Heebner	2940-1138	2940-1138
LKC	2995-1193	2996-1194
BKC	3227-1425	3227-1425
Arbuckle	3315-1513	3315-1513
RTD	3401-1599	3400-1598

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 29 2013
CONSERVATION DIVISION
WICHITA, KS

REMARKS All parties involved recommended that pipe be set on this well.

Doug Jones on site.

respectfully submitted

LEGEND

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

DEPTH	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2600'			
	Lms wh-gray Fx + gray + Bl sh		
	Lms offwh to tn		
	Gray Sh inc		
2700'			
	Ls tn dolomitic Fx M-od FO St. + lt OP, Interx fm foam vug por	•	
	Lms offwh to tn Fx		
	" "		
	Lms tn Fx		
2800'			
	Lms offwh Fx		
	inc Bl + Gray sh		
	Lms offwh to tn Fx		
2900'			
	Lms lt tn Fx VM FO + odor	•	
	inc Bl sh		
	Lms offwh to tn Fx		
3000'			
	Lms offwh fm Fx TR odor Fos.	•	
	Lms offwh TR FO, St, odor	•	
	Lms offwh Fx		
3100'			
	Lms offwh to tn Fx TR St. + odor Intr X + Foss Por	•	
	Lms offwh to tn fm Fx, TR Foss, Mn FO + St Inter Foss + X Por	•	
	Lms, offwh Foss Fx VM-M FO + St interfoss + x Por	•	
	Lms offwh to tn Fx		
3200'			
	Lms offwh Fx TR FO + odor friable to fm Int Foss Interx Por	•	
			DST #1 3300-27 Blow: Strong Zone tested: Arb 125' GAF Rec: 225 CO 900' GWCO 55% oil 30% water 300' O+GCMW 20% oil 60% water 720' water w a show thru out SIP 950-952 FP: 390-950
	inc shale Dk Gray		
	inc Green sh		
3300'			
	Dol fm Fx to md X fx to mostly fm minor show FO + St.	•	
	Dol fm-fx X cherty minor to Ad FO + St. + odor	•	
	Dol F-MX VMFO + St interx por	•	
	Dol F-MX barren interx por		