

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG



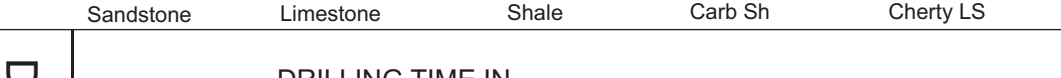
Geologist on Well Alex Chapin
 LEASE Allison A #9-13
 FIELD Soloman NE
 LOCATION 430' FNL 680' FWL
 SEC 13 TWPSP 11S RGE 19W
 COUNTY Ness STATE Kansas
 CONTRACTOR American Eagle Rig #2
 SPUD 6/28/13 COMP 7/5/12
 RTD 3530 LTD 3530
 MUD UP 3050 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 3050 TO RTD
 DRILLING TIME KEPT FROM 3100 TO RTD
 SAMPLES EXAMINED FROM 3050 TO RTD
 GEOLOGICAL SUPERVISION FROM 3050
 REFERENCE WELL ALLISON #2

CONDUCTOR _____
 SURFACE 8 5/8" @ 1330'
 PRODUCTION 5-1/2" @ 3530
 ELECTRICAL SURVEYS _____
 DIL. DUCR, MIC _____
 NEARORS _____

ELEVATIONS
 KB 1974
 DF _____
 GL 1967
 Measurements Are All From Kelly Bushing

Formation	Sample Tops	E-log Tops	Struct Pos.
Anhydrite	1314' (+660)	1316 (+658)	+3
Base Anhydrite	1348 (+626)	1648 (+626)	+5
Heebner	3180 (-1206)	3178 (-1204)	+1
Lansing	3222 (-1248)	3218 (-1244)	+5
BKC	3448 (-1474)	3443 (-1469)	+4
RTD	3530 (-1356)	3530 (-1356)	



REMARKS The Allison A #9-13 was drilled as an injection well.

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