

**HERB DENES**  
CONSULTING GEOLOGIST  
PH: 785-825-3380 HAYS, KS 67601

108 W. 35th ST.

COMPANY **Granite Exploration & Development**  
WELL **Hay #1**  
FIELD **Chase-Slick**

COUNTY **Barton** STATE **Kansas**

LOCATION: **N2, N2 S20** KB **1773**  
SEC **36** TWP **19s** RGE **11w** GL **12s**

Logging by: **SEC 36 TWP 19s RGE 11w GL 12s**

Log-Track:  
1. **Dal. Induct. Clay** Log  
2. **Dal. Compactioned** Log  
3. **Induct. Clay** Log  
4. **Induct. Clay** Log  
5. **Induct. Clay** Log  
6. **Induct. Clay** Log

Geotechnical: **Soil** Log  
RD: **3000** Log  
Surface: **3000** Log  
Production: **3000** Log

Drilling Time **2500' - RTD** Samples **2600' - RTD**

Drilling: **Paul Collins, et al.**  
Daily Penetration Rate

Date	Depth	Activity	Date	Depth	Activity
1-09	265'	WOC			
1-10	185'	WOC			
1-11	2340'	WOC			
1-12	2011'	WOC			
1-13	2011'	WOC			
1-14	2011'	WOC			
1-15	2011'	WOC			
1-16	2011'	WOC			

REMARKS: **Recommendation To Ann casing due to good structure, positive results of DST #3 and information is plus to handle produced salt-water.**

*Herb Denes*

Formation	Sample	Log	Datum	%	Formation	Sample	Log	Datum	%
Topoka	2615	2610	-837						
Heerborn Shale	2871	2870	-1097						
Tenorio	2873	2871	-1118						
Douglas Shale	2901	2878	-1125						
Osman Lime	2994	2992	-1219						
LHC	3018	3015	-1245						
BKC	3271	3269	-1436						
ATD	3400								
LTD		3299	-1426						
Arbuckle	3283	3281	-1508						

\* Structural Position to:

