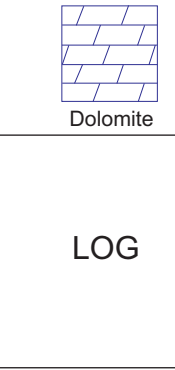


# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG



Geologist on Well: Alex Charpin  
 LEASE: Sander 'A #1-3  
 FIELD: Wildcat  
 LOCATION: 2304 FSL & 474 FWL  
 SEC: 3 TWP: 7S RGE: 18W  
 COUNTY: Rooks STATE: Kansas  
 CONTRACTOR: Shields  
 SUD: 7/30/2014 COMP: LTD

ELEVATIONS  
 KB 1951  
 DF \_\_\_\_\_  
 GI 1946  
 Measurements Are All From Kelly Bushing

CASING  
 CONDUCTOR \_\_\_\_\_  
 SURFACE \_\_\_\_\_  
 PRODUCTION \_\_\_\_\_

MUD UP: 2500 TYPE MUD: CHEMICAL  
 SAMPLES SAVED FROM: 2700 TO RTD  
 DRILLING TIME KEPT FROM: 2600 TO RTD  
 SAMPLES EXAMINED FROM: 2700 TO RTD  
 GEOLOGICAL SUPERVISION FROM: 2700 TO RTD

REFERENCE WELL: Bigges #1-3 Sec 3-7S-18W  
 DIL. DUOP \_\_\_\_\_  
 N/A/B/O/S \_\_\_\_\_

Formation: Anhydrite Sample Tops: 1444 (+507)  
 Base Anhydrite: 1478 (+473)  
 Topeka: 2911 (-800)  
 Heebner: 3117 (-1166)  
 Lansing: 3159 (-1208)

Archie \_\_\_\_\_  
 RTD \_\_\_\_\_  
 LTD \_\_\_\_\_

REMARKS

