

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **BS** **Geologists LLC**
 FIELD **Simmons Road Unit #2**
 ELEVATIONS **1180'**

LOCATION **308' / 908' SW 1/4**
 SEC **10** TWP **33 S** RGE **3 W**
 COUNTY **Starr** STATE **Kansas** MEASURED ARE A11

CONTRACTOR **WJW Drilling** RIG # **414**
 SUD **7-11-16** COMP **7-17-16** SCHEDULE **5:30 AM**
 RIG # **414** LTO **4134** SCHEDULE **5:30 AM**

MUD **2:500** TYPE MUD **Clay based**
 MUD **2:500** TYPE MUD **Clay based**

SAMPLES SAVED FROM **1850'** TO **4150'**

DRILLING TIME KEPT FROM **1850'** TO **4150'**

SAMPLES EXAMINED FROM **1850'** TO **4150'**

GEOLOGIST ON WELL **JJL** **Redt Low**

FORMATION TOPS

FORMATION	LOG	SAMPLES
Trachyte	2871	-1093
Acadarkian	2875	-1193
Kennett	3381	-1261
5' sand	3382	-1262
Claystone	3383	-1263

REMARKS

LEGEND

	Anhydrite
	Salt
	Sandstone
	Shale
	Carb sh
	Limestone
	Oil/Line
	Chert
	Dolomite

SCALE 1" = 100'

Uthorp

DEPTH	Sample Description	Remarks, drill stem tests, etc.
1850'	Shale gray - black gray sandy silty fine streak white - gray sandy base	SMITH POC Bit Samples every Kelly down due to Penetration POC
1900'	Shale gray black gray sandy silty fine streak white - gray sandy base Some fine green ss silty	
1950'	Gray shale soft silty sandy fine streak white - gray sandy base Some fine green ss silty	
2000'	Gray shale soft silty sandy fine streak white - gray sandy base Some fine green ss silty	
2050'	As Above	
2100'	As Above	
2150'	Interbedded blk - gray dense silty shale with some fine green ss silty base	
2200'	As Above	
2250'	As Above	
2300'	As Above	
2350'	As Above	
2400'	Shale gray - silty sandy base with some fine green ss silty base	
2450'	Shale brownish gray silty sandy base with some fine green ss silty base	
2500'	Shale gray - silty sandy base with some fine green ss silty base	modded up
2550'	Shale gray - silty sandy base with some fine green ss silty base	
2600'	Shale gray - silty sandy base with some fine green ss silty base	
2650'	Shale gray - silty sandy base with some fine green ss silty base	
2700'	Shale gray - silty sandy base with some fine green ss silty base	
2750'	Shale gray - silty sandy base with some fine green ss silty base	
2800'	Shale gray - silty sandy base with some fine green ss silty base	
2850'	Shale gray - silty sandy base with some fine green ss silty base	
2900'	Shale gray - silty sandy base with some fine green ss silty base	
2950'	As Above	
3000'	As Above	
3050'	As Above	
3100'	As Above	
3150'	As Above	
3200'	As Above	
3250'	As Above	
3300'	As Above	
3350'	As Above	
3400'	As Above	
3450'	As Above	
3500'	As Above	
3550'	As Above	
3600'	As Above	
3650'	As Above	
3700'	As Above	
3750'	As Above	
3800'	As Above	
3850'	As Above	
3900'	As Above	
3950'	As Above	
4000'	As Above	
4050'	As Above	
4100'	As Above	
4150'	As Above	

3745 1.33 10.3 40 hours
 DST #1 4036-4054