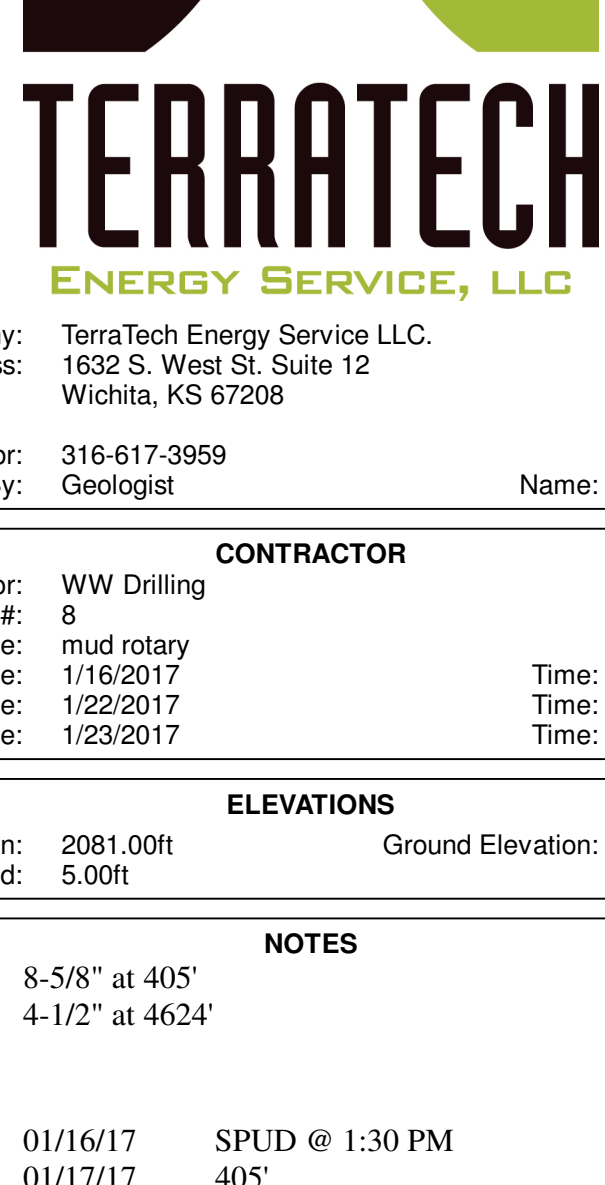


**OPERATOR**  
 Charles N. Griffin  
 Address: PO Box 347  
 Pratt, KS 67124-0347

Contact Geologist: #1 Wood  
 Contact Phone Nbr: Section 22-26S-16W  
 Well Name: #1 Wood  
 Location: Section 22-26S-16W  
 Pool: API: 15-047-21655  
 State: Kansas Country: Trousdale Northeast  
 USA

Scale 1:240 Imperial  
 Well Name: #1 Wood  
 Surface Location: Section 22-26S-16W  
 Bottom Location: API: 15-047-21655  
 License Number:  
 Spud Date: 1/16/2017 Time: 1:30 PM  
 Region: Edwards County  
 Drilling Completed: 1/22/2017 Time: 11:00 AM  
 Surface Coordinates: 1650' FSL & 2310' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2076.00ft  
 K.B. Elevation: 2081.00ft To: 4630.00ft  
 Logged Interval: 3700.00ft  
 Total Depth: 4630.00ft  
 Formation:  
 Drilling Fluid Type: Chemical (MudCo)

**SURFACE CO-ORDINATES**  
 Well Type: Vertical  
 Longitude: NS Co-ord: 1650' FSL Latitude:  
 E/W Co-ord: 2310' FEL



**CONTRACTOR**  
 Contractor: WW Drilling  
 Rig #: 8  
 Rig Type: mud rotary  
 Spud Date: 1/16/2017 Time: 1:30 PM  
 TD Date: 1/22/2017 Time: 11:00 AM  
 Rig Release: 1/23/2017 Time: 11:30 AM

**ELEVATIONS**  
 K.B. Elevation: 2081.00ft Ground Elevation: 2076.00ft  
 K.B. to Ground: 5.00ft

**NOTES**  
 Surface Casing: 8-5/8" at 405'  
 Production Casing: 4-1/2" at 4624'

Daily Penetration:  
 01/16/17 SPUD @ 1:30 PM  
 01/17/17 405'  
 01/18/17 1814'  
 01/19/17 2767'  
 01/20/17 3445'  
 01/21/17 4120'  
 01/22/17 4567' RTD @ 11:00 AM  
 01/23/17 4630' Rig Released @ 11:30 AM

**FORMATION TOPS**

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Heebner	3786'	-1705	3789'	-1708	+11
Brown Lime	3929'	-1848	3934'	-1853	+9
Lansing	3947'	-1866	3951'	-1870	+8
Stark	4176'	-2095	4175'	-2094	+9
Marmaton	4296'	-2215	4300'	-2219	+2
Pawnee	4366'	-2285	4370'	-2289	+11
Cherokee	4387'	-2306	4392'	-2311	+12
Mississippian	4418'	-2337	4422'	-2341	+10
Kinderhook Sand	4445'	-2364	4449'	-2368	+33
Viola	4536'	-2455	4539'	-2458	+28

Reference well: Toto Energy, LLC, #1 Parker Anywhere, C NE SW, Section 22-26S-16W Edwards County, Kansas

**ROCK TYPES**  
 Cht shale, gry  
 Lmst fw7- Carbon Sh  
 Ss

**ACCESSORIES**  
 MINERAL  
 Dolomitic  
 Chert White  
 Argillaceous/Shale

**OTHER SYMBOLS**  
 INTERVALS  
 Core  
 DST  
 Oil Show  
 Good Show  
 Fair Show  
 Poor Show  
 Spotted or Trace  
 Questionable Stn  
 Dead Oil Stn  
 Fluorescence  
 Gas  
 DST  
 DST Int  
 DST alt  
 Core  
 tail pipe

