

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

OPERATOR

Contact Geologist:  
Contact Phone Nbr:

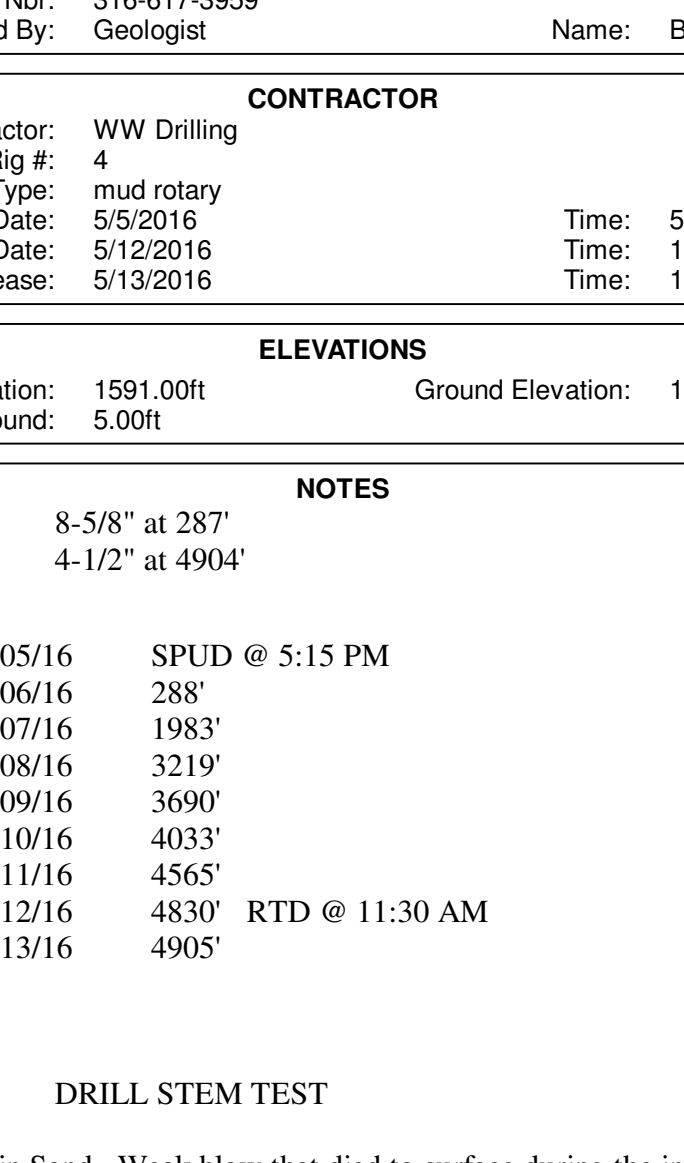
Well Name: #1 Jazmyne  
Section 34-32S-12W  
Location: 15-007-24302  
Pool: API: 15-007-24302  
State: Kansas  
County: USA

Scale 1:240 Imperial  
Well Name: #1 Jazmyne  
Surface Location: Section 34-32S-12W  
Bottom Location:  
License Number: API: 15-007-24302  
Spud Date: 5/5/2016 Time: 5:15 PM  
Region: Barber County  
Drilling Completed: 5/12/2016 Time: 11:30 AM  
Surface Coordinates:  
Bottom Hole Coordinates: 1586.00ft  
Ground Elevation: 1591.00ft  
K.B. Elevation: 3600.00ft  
Logged Interval: 4905.00ft To: 4905.00ft  
Formation:  
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical  
Longitude:  
N/S Co-ord:  
EW Co-ord:  
Latitude:

LOGGED BY



Company: TerraTech Energy Service LLC.  
Address: 1632 S. West St. Suite 12  
Wichita, KS 67208

Phone Nbr: 316-617-3959  
Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: WW Drilling  
Rig #: 4  
Rig Type: mud rotary  
Spud Date: 5/5/2016 Time: 5:15 PM  
TD Date: 5/12/2016 Time: 11:30 AM  
Rig Release: 5/13/2016 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1591.00ft Ground Elevation: 1586.00ft  
K.B. to Ground: 5.00ft

NOTES

Surface Casing: 8-5/8" at 287'  
Production Casing: 4-1/2" at 4904'  
Daily Penetration: 05/05/16 SPUD @ 5:15 PM  
05/06/16 288'  
05/07/16 1983'  
05/08/16 3219'  
05/09/16 3690'  
05/10/16 4033'  
05/11/16 4565'  
05/12/16 4830' RTD @ 11:30 AM  
05/13/16 4905'

DRILL STEM TEST

DST #1 3472'-3600'. Elgin Sand. Weak blow that died to surface during the initial flow period. No blow during the second flow period, flushed tool, no help. Recovered: 50' Mud (no shows). IFFP/30" 72-75#, ISIP/30" 129#, FFP/30" 75-87#, FSIP/30" 114#

DST #2 3675'-3720'. Snyderville Sand. Strong blow, BOB in 1-1/2". GTS in 18" during the initial flow period. BOB immediately during the second flow period. Recovered: 297' GCMW with show of oil. IFFP/30" 40-69#, ISIP/45" 1259#, FFP/45" 64-131, FSIP/60" 1257#

DST #3 4806'-4830'. Simpson Sand. Strong blow, BOB in 30 seconds during the initial flow period. GTS in 10". BOB and GTS immediately during the second flow period. Recovered: 4.313 GIP, 219' Clean Oil, 252' GCMCO (20% Gas, 60% oil, 20% mud). IFFP/30" 126-143#, ISIP/45" 1402#, FFP/45" 123-194#, FSIP/60" 1387#

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Lecompton	3471'	-1880	3468'	-1877	+3
Elgin	3504'	-1913	3501'	-1910	+4
Heebner	3684'	-2093	3682'	-2091	-2
Snyderville	3696'	-2105	3694'	-2103	flat
Lansing	3882'	-2291	3879'	-2288	flat
Stark	4257'	-2666	4255'	-2664	+3
Hush	4288'	-2697	4286'	-2695	+2
Base KC	4343'	-2752	4339'	-2748	+1
Mississippian	4428'	-2837	4426'	-2835	+4
Kinderhook	4624'	-3033	4621'	-3030	+3
Viola	4728'	-3137	4725'	-3134	+4
Simpson Sand	4826'	-3235	4824'	-3233	flat
Total Depth	4908'	-3317	4905'	-3314	

\*Reference well: Don Malone, #1 Randels, NE NE SW Section 34-32S-12W, Barber County, Kansas

ROCK TYPES

Chert, Dolomite, Limestone, Sandstone, Shale, Siltstone, Carbon Sh, Se, Siltst

ACCESSORIES

MINERAL: Chert/White, Argillaceous/Shale

OTHER SYMBOLS

Oil Show, DST, Good Show, Fair Show, Poor Show, Spotted or Trace, Questionable Sin, Dead Oil Sin, Fluorescence, DST Int, DST alt, Core, tail pipe

