

Company: Charles N. Griffin
Address: PO Box 347
Pratt, Kansas 67124

OPERATOR

Contact Geologist:
Contact Phone Nbr:

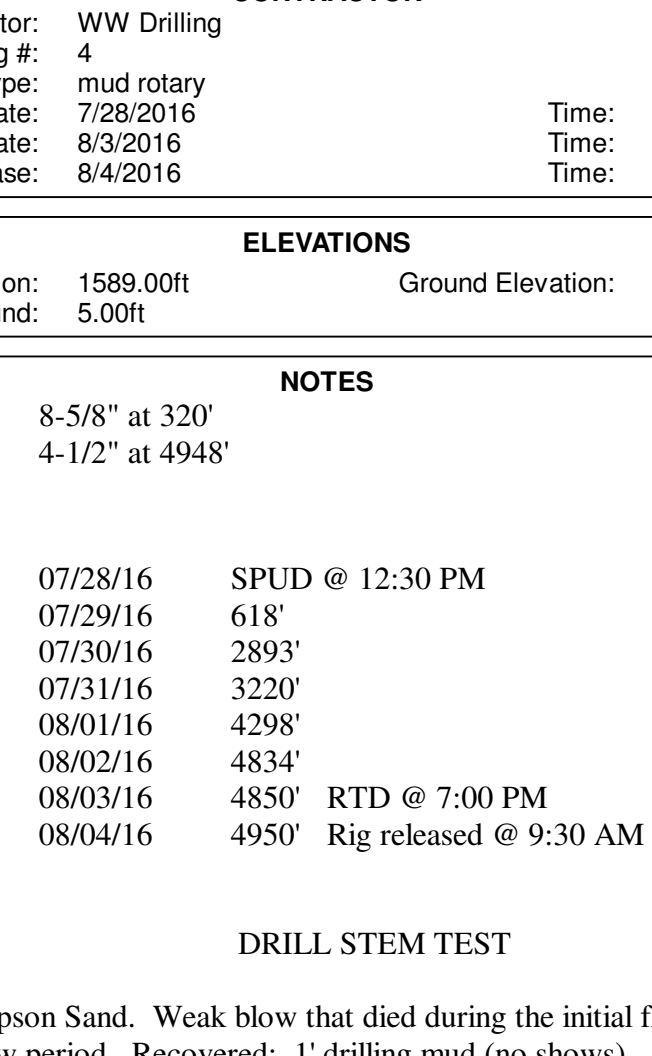
Well Name: #1 Sharron
Section 34-32S-12W
Location: Section 34-32S-12W
Pool:
State: Kansas
API: 15-007-24304
Field: Toni-Mike
County: USA

Scale 1:240 Imperial
Well Name: #1 Sharron
Surface Location: Section 34-32S-12W
Bottom Location:
API: 15-007-24304
License Number:
Spud Date: 7/28/2016
Region: Barber County
Time: 12:30 PM
Drilling Completed: 8/3/2016
Time: 7:00 PM
Surface Coordinates: 2239' FSL & 880' FWL
Bottom Hole Coordinates: 1584.00ft
Ground Elevation: 1589.00ft
K.B. Elevation: 1589.00ft
Logged Interval: 3400.00ft To: 4920.00ft
Total Depth: 4950.00ft
Formation:
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 2239' FSL
N/S Co-ord: 880' FSL
E/W Co-ord: 2239' FSL
Latitude:
Longitude:
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: 7/28/2016
Region: Barber County
Time: 12:30 PM
TD Date: 8/3/2016
Time: 7:00 PM
Rig Release: 8/4/2016
Time: 9:30 AM

ELEVATIONS

K.B. Elevation: 1589.00ft
K.B. to Ground: 5.00ft
Ground Elevation: 1584.00ft

NOTES

Surface Casing: 8-5/8" at 320'
Production Casing: 4-1/2" at 4948'

Daily Penetration:
07/28/16 SPUD @ 12:30 PM
07/29/16 618'
07/30/16 2893'
07/31/16 3220'
08/01/16 4298'
08/02/16 4834'
08/03/16 4850' RTD @ 7:00 PM
08/04/16 4950' Rig released @ 9:30 AM

DRILL STEM TEST

DST #1 4812'-4834'. Simpson Sand. Weak blow that drilled during the initial flow period. No blow during the second flow period. Recovered: 1' drilling mud (no shows).
IFP/15" 20-19#, ISIP/15" 92#, FFP/15" 20-20#, FSIP/15" 63#

DST #2 4815'-4850'. Simpson Sand. Strong blow, bottom of the bucket in 1-1/2 minutes of the initial flow period. Loss of mud for 4 minutes. Surged during second flow period, then died. Recovered: 378' drilling mud with spots of oil.
IFP/15" 199-211#, ISIP/30" 895#, IFP/10" 211-212#, FSIP - not recorded

FORMATION TOPS

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Lecompton	3473'	-1884	3474"	-1885	-1
Elgin	3514'	-1925	3513'	-1924	-4
Heebner	3682'	-2093	3681'	-2092	-3
Lansing	3879'	-2290	3880'	-2291	-1
Stark	4260'	-2671	4259'	-2670	-1
Base KC	4246'	-2657	4345'	-2756	-1
Mississippian	4432'	-2843	4434'	-2845	+2
Kinderhook	4624'	-3035	4623'	-3034	-4
Viola	4728'	-3139	4728'	-3139	-3
Simpson Sand	4830'	-3241	4827'	-3238	-2

*Reference well: Charles N. Griffin, #1 Ash, SW/NW
Section 34-32S-12W, Barber County, Kansas

ROCK TYPES

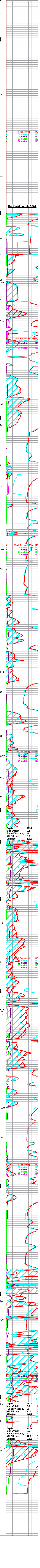
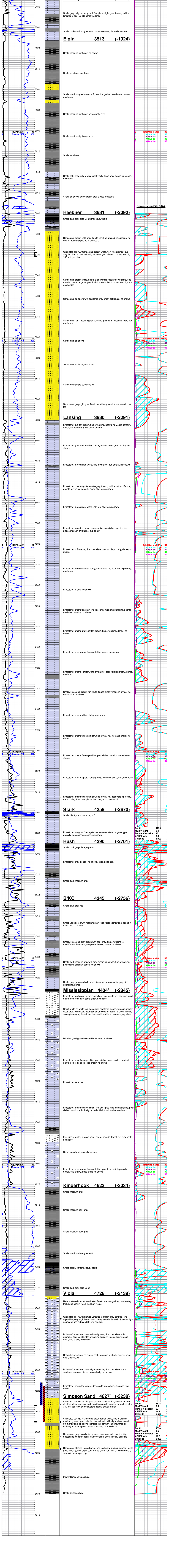
Chert
Limestone
Shale, gray
Carbon Sh

ACCESSORIES

MINERAL
Dolomite
Chert White

OTHER SYMBOLS

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



Depth	Mud Weight	Funnel Viscosity	API Filtrate	Chloride
4295'	9.4	48	9.8	5,000
4834'	9.6	11.2	5,500	
4850'	9.5	12.2	5,000	

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