# LITHOLOGY STRIP LOG

# **WellSight Systems**

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: HERMAN L. LOEB LLC. HINZ #3-26

Location: NE NE NE SW SEC.26-T32S-R14W, BARBER CO. KANSAS

License Number: 15-007-24091-00-00 Region: ELSEA EAST

Spud Date: 10/11/13 Drilling Completed: 10/21/13

Surface Coordinates: 2,590' FWL, 2,590' FSL

**Bottom Hole Coordinates:** 

Ground Elevation (ft): 1,918'

Logged Interval (ft): 3,200'

K.B. Elevation (ft): 1,927'

To: 5,004'

Total Depth (ft): 5,004'

Formation: Viola

Type of Drilling Fluid: Native Mud /Gel Sweeps To: 3,363'. Chem.Gel To RTD.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.cor

# **OPERATOR**

Company: Herman L. Loeb LLC.

Address: PO Box 838

Lawrenceville IL 62439 Phone: 812-453-0385

# **GEOLOGIST**

Name: Jame R. Hall Well Site Supervision

Company: Black Gold Petroleum Address: 5530 N. Sedgwick

Wichita, Kansas 67204-1828

316-838-2574

#### Comments

Drilling contractor: Sterling Drilling, Rig #4, Tool Pusher: Lanny Saloga.

Status: 5.5" casing to evaluate the Mississippi.

Surface Casing: 13 3/8" set at 312' w/315sx, cmt. Did circulate.

# **Drilling Activity:**

10/11/13; Move in and Spud.

10/12/13: 315' WOC.

10/13/13; 1,215' drilling.

10/14/13; 2,225' drilling.

10/15/13; 2,930' drilling.

10/16/13; 3,534' drilling.

10/17/13; 4,010' drilling.

10/18/13; 4,456' drilling.

10/19/13; 4,672' (DST #1) Marmaton / Massy, pipe strap 1.36' short to the board.

10/20/13; 4,712' (DST #2) Mississippi Chert.

10/21/13; 4,908' drilling in lower Mississippi.

10/22/13; 5,004' (DST #3) Viola. Run open hole logs.

Deviation Surveys: 1/8 @ 315', 3/4 @ 4,672', 3/4 @ 5,004'.

### Bit Record:

#1 17 1/2" out @ 315' in 5.5hrs.

#2 7 7/8" JZ HA20-Q in @ 315', out @ 5,004', made 4,689' in 145.25hrs.

Drilling time commenced: @ 3,200'. Minimum 10' wet and dry samples commenced: @ 3,400' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Sterling Rig unit # 4. Tooke Daq Drilling time and Hotwire gas values were placed on this Plotte Sample Strip log.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,363', Mud Engineer: Brad Bortz.

DST Co. Trilobite Testing Co., Tester: Chris Staats.

Open Hole Logs: Nabors Completaion & Porduction Services Co. (Hays Kansas), Logging Engineer: Jeff Luebbers.

DIL, CDL/CNL/PE, MEL.

E-Log Formation Tops, are placed on the plotted geological report, with the reference wells: "A" Texas Energies Hinz #1-26 SW NE 26-T32S-R14W, "B" Edmiston Elsea #1 S/2 N/2 SW/4 26-T32S-14W and "C" Loeb Hinz #2-26 NW/4 26-T32S-R14W, with datum differences shown.

Note: The Geologic Strip Log was shifted 2', for better correlation with the open hole logs.

# **DSTs**

DST #1 (Marmaton / Massy) 4,615' - 4,672' (57').15-45-30-60, IH 2261, IF 25-47 (weak 1.75inc blow), ISI 132, FF 53-64 (weak 1inc blow), FSI 100, FH 2264, Rec; 70' mud (1%water,99%mud), BHT 1115F.

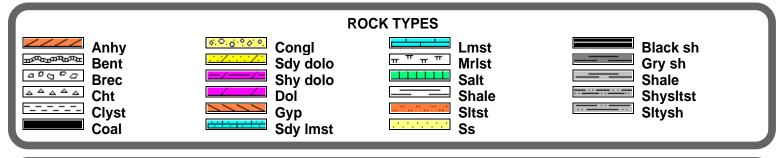
DST #2 (Miss. Chert) 4,685' - 4,712' (27'), 15-45-45-90, IH 2313, IF 27-46(BOB 2min), ISI 533(No blow), FF 50-80(BOB 10sec.), FSI 494, FH 2316, Rec; 1615' GIP, 95' GWM (20%gas,20%water,60%mud), 120' GMW (5%gas,75%water,25%mud), BHT 120F Rwa 0.39 @ 54F, (@BHT 0.175), chl rec.mud 22,000ppm, chl drl. mud 7,000ppm. Mud Co. check 48,000ppm.

DST #3 (Viola), 4,984' - 5,004' (20'), 15-45-30-60, IH 2511, IF 19-24 (1/2inc. Blow), ISI 19 (no blow), FF 18-24 (1/4in. Blow), FSI 53 (no blow), FH 2520, Rec; 10' mud, BHT 120F.

# Other

# CARBONATE CLASSIFICATION:

AFTER DUNHAM: GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. MUDSTONE; muddy carbonate rocks containing less than 10% grains. WACKESTONE; mud supported carbonate rocks with more than 10% grains. PACKSTONE; grain supported muddy carbonate rocks. GRAINSTONE; mud free carbonate rock, grain supported. BOUNDSTONE; carbonate rock bound together at deposition (coral, etc.). CRYSTALLINE CARBONATE; carbonate rock retaining to little of their depositional texture to be classified.



#### **ACCESSORIES** ٠ $\triangle$ **MINERAL** Chlorite Pelec Grvsh \_\_\_ ø // **Anhy** Dol Pelloidal **Gryslt** Θ · o Sand **Pisolite** Arg Lms В Ø **Sandylms Bent** Sltv Plant $\setminus$ $\mathbf{m}$ Bit Strom Sh Sltstn ß 0 **Brecfrag FOSSIL** Fuss Т 0 Calc Algae Oomoldic • • Carb **TEXTURE** Amph STRINGER ▲ ρ Chtdk Belm **Boundst** $\triangle$ $\circ$ С Chtlt **Bioclst** Anhy Chalky <u>→</u> Φ cxDol **Brach** CryxIn Arg Bent $\Upsilon$ е **Earthy** Ferrpel Bryozoa B FΧ Ferr Cephal Coal FinexIn Α GS Glau Coral Dol Grainst 0 L Gyp Crin Gyp Lithogr 8 MX Marl **Echin** MicroxIn Ls Ø MS Nodule Fish Mudst Mrst 8 PS **Phos** Foram Sltstrg **Packst** Ρ F Wackest Pyr Fossil Ssstrq ⊞ Ø Salt Gastro Carbsh ·· ¢ **Oolite** Clystn Sandy 0 Silt Dol Ostra

