

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

Well Name: Ahrens #1
API: 15-109-21453
Location: SE-10W-NE-5W of Section 20-12s-33w - Logan County, KS
License Number: KCC Licence#: 34917
Spud Date: 1/15/2016
Surface Coordinates: 2165' FSL & 1740' FWL of Section 20-12s-33w
Bottom Hole Coordinates: Same as Surface Coordinates
Ground Elevation (ft): 3156'
Logged Interval (ft): 3800' To: 4826'
Forming Formation: Mississippian @ Total Depth
Type of Drilling Fluid: Mud-Co. (Chemical Deep)

OPERATOR

Company: Bickle Energies, LLC
Address: P.O. BOX 816 HAYS, KS 67601

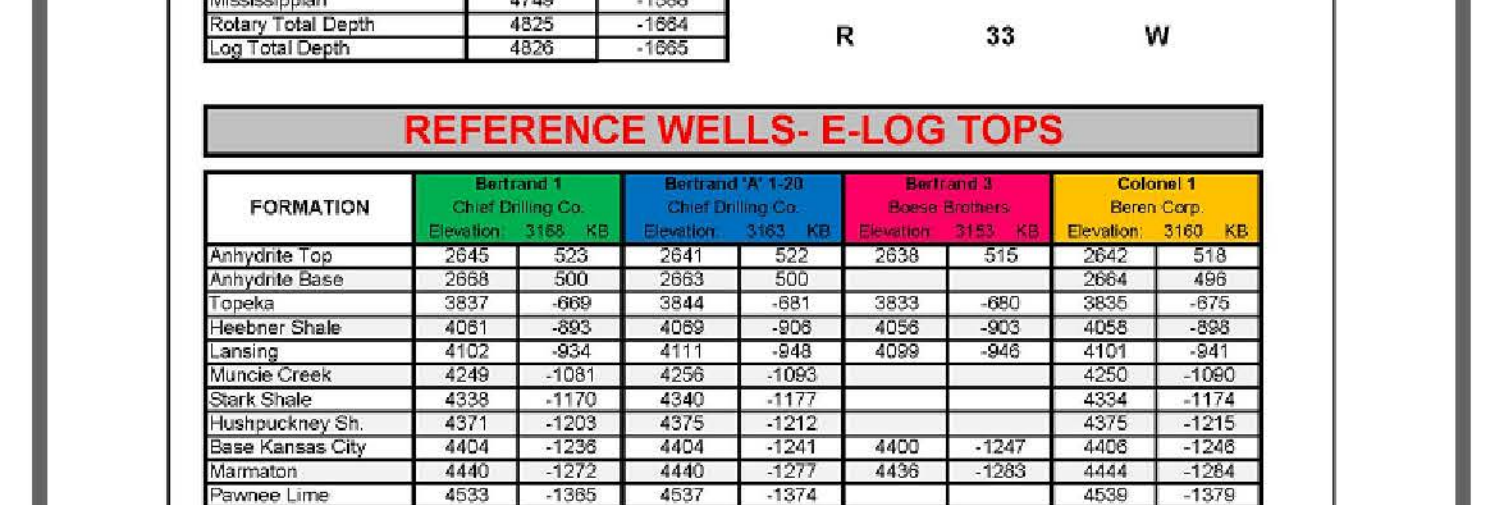
GEOLOGIST

Name: Garett Dinkel, Consulting Petroleum Geologist
Company: PETERRA Energy Services
Address: 110 South Main, Suite #510 Wichita, KS 67202
Phone: (785) 623-1009

Comments

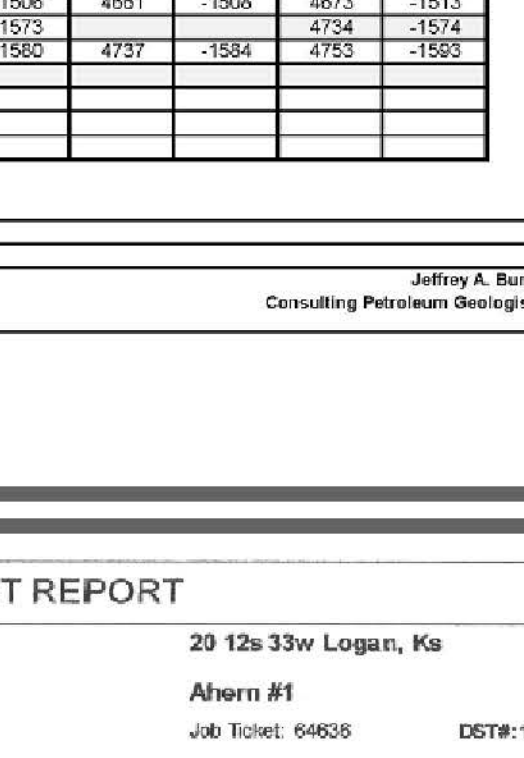
This well ran structurally low on all known productive horizons to the Bertrand #1 (north key well) through the Lansing/Kansas City section. Once the Johnson Zone was reached, this well was structurally "flat" to that key well. Minor shows were noted in the Johnson Zone and they were subsequently tested with the Morrow Sand. As a result of the negative results obtained from that test, and the subsequent poor electric log calculations, it was decided that both, the Johnson Zone & Morrow Sand were non-commercial.

Respectfully submitted,
PETERRA Energy Services
Garett Dinkel, Petroleum Geologist
Jeffrey A. Burk, Petroleum Geologist



Operator: Bickle Energies, LLC
Well Name: Ahrens #1
API #: 15-109-21453
Location: SE-10W-NE-5W
County: Logan
State: Kansas
Elevation: 3156' GT, 3161' KB

Formation Depth Datum
Anhydrite 2958 2958
Anhydrite Base (color peak) 2957 2900
Queen Hill Shale 4008 -847
Heebner Shale 4058 -848
Lansing 4103 -842
Muncie Creek 4248 -1037
Stark Shale 4333 -1172
Hushpuckney Shale 4397 -1236
Base Kansas City 4404 -1241
Marmaton 4440 -1282
Pawnee Lime 4527 -1366
Lower Pawnee Lime 4597 -1398
Pt. Scott Lime 4585 -1424
Cherokee Shale 4821 -1452
Johnson Zone 4858 -1499
Morrow Sand 4730 -1552
Mississippian 4748 -1580
Log Total Depth 4826 -1584



REFERENCE WELLS- E-LOG TOPS

Table with columns for Formation, Bertrand #1, Bertrand #2, Bertrand #3, and Morrow #1, showing depth and datum values.

COMMENTS:
Jeffrey A. Burk
Consulting Petroleum Geologist

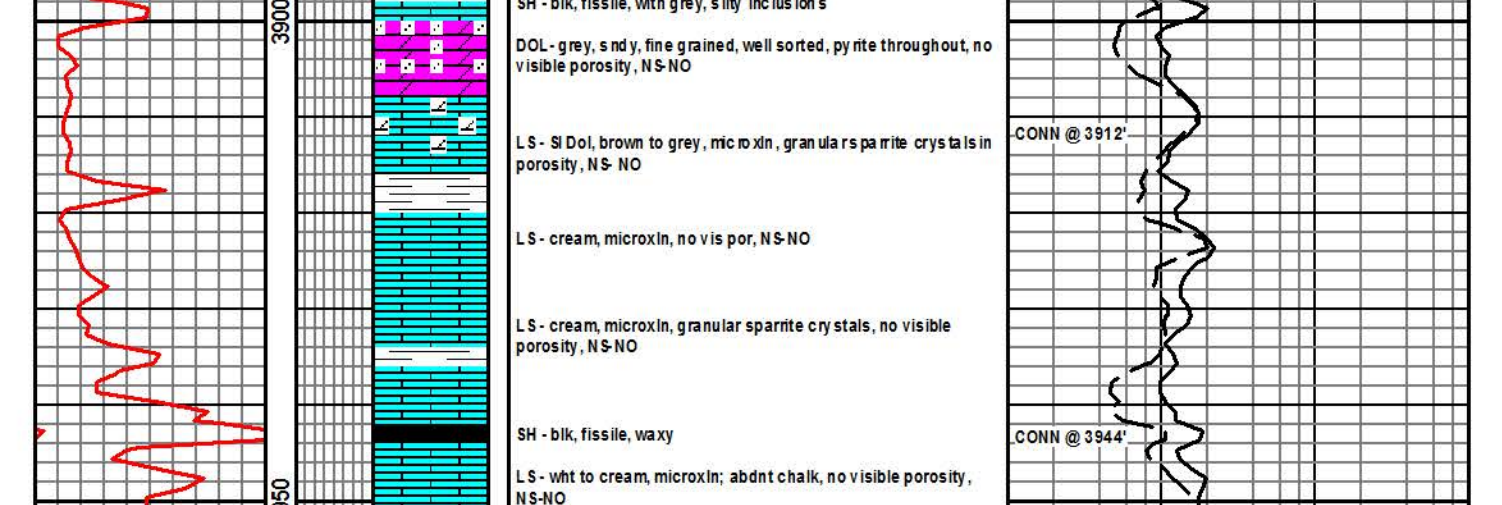
DRILL STEM TEST REPORT

Operator: Bickle Energies, LLC
Well Name: Ahrens #1
Location: 20 12s 33w Logan, KS
Job Ticket: 64838
DST#: 1
Test Start: 2016.01.20 @ 14:30:00

GENERAL INFORMATION
Formation: Johnson
Deviated: No
Time Tool Opened: 16:69:15
Time Test Ended: 23:05:45
Interval: 4652.00 ft (KB) To 4725.00 ft (KB) (TVD)
Total Depth: 4725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 8522
Pressure/Run Depth: 408.06 psig @ 2016.01.20
Start Time: 14:30:00
End Date: 2016.01.20
End Time: 23:05:45
Capacity: 8000.00 pig
Last Calc.: 2016.01.20 @ 16:58:45
Time On Burn: 2016.01.20 @ 20:29:45
Time Off Burn: 2016.01.20 @ 20:29:45

TEST COMMENT: F: BOB @ 10 minutes.
E: No return.
FF: BOB @ 16 min.
RIS: No return.



Recovery and Gas Rates tables. Recovery: Length 490.00, Interval 300.00, Time 10.00, Flow 0.00. Gas Rates: Initial Hydro-static, Open to Flow, End Shut-in, etc.

