

## Casing Ticket

API Well Number:

**34-059-2-4370-00-00**

### Record of Casing, Cementing and Mudding

Well Owner: **9193 AMERICAN ENERGY UTICA LLC**

Lease Name: **RED HILL FARM MDS GR 3H** Well No. **3H**

County: **GUERNSEY** Township: **MADISON**

Driller: **PRECISION DRILLING** Tool **Rotary**

Refer Top **Ground Level** 1011 Lat: **40.127543** Long: **81.345769**

Date Spudded: **06/27/2014**

Date Completed:

Inspector **DOUGLAS BENNETT**

☐ AD Meets Requirements

☐ AD on Permit

Comments:

### Strings

FLD

\*Hole 1 Field Entry

CONDITION

Bot **100** Diam **36** Top **0** LENGTH **100** Set Dt

String Comments Casing  
Condition, Weight and  
Cement Basket

Conductor borehole

### Cement

BOC **0** TOC **0** DT\_CM  DURATION  ☐ WITNESSED

CMT\_CON  INSPECTOR **DOUGLAS BENNETT**

CLASS\_CMT:  SACKS  YIELD  WEIGHT

Cement 1

CLASS\_CMT2:  SACKS2  YIELD  WEIGHT

Cement 2

**Strings**

FLD

\*Conductor Pipe Field Entry

CONDITION

Bot 100 Diam 30 Top 0 LENGTH 100 Set Dt 6/27/2014

String Comments Casing  
Condition, Weight and  
Cement Basket

118.65/ft

**Cement**BOC 100 TOC 0 DT\_CM 6/28/2014 DURATION  ☐ WITNESSED

CMT\_CON O-TEX PUMPING LLC INSPECTOR DOUGLAS BENNETT

CLASS\_CMT: Type H Cement SACKS 370 YIELD 1.2 WEIGHT 15.6

Cement 1 2% CaCl, 0.4% C41P, 0.25#/sk Cello-Flake. Cement returns of 30bbls reported.

CLASS\_CMT2: SACKS2 YIELD WEIGHT

Cement 2



## CEMENT JOB LOG

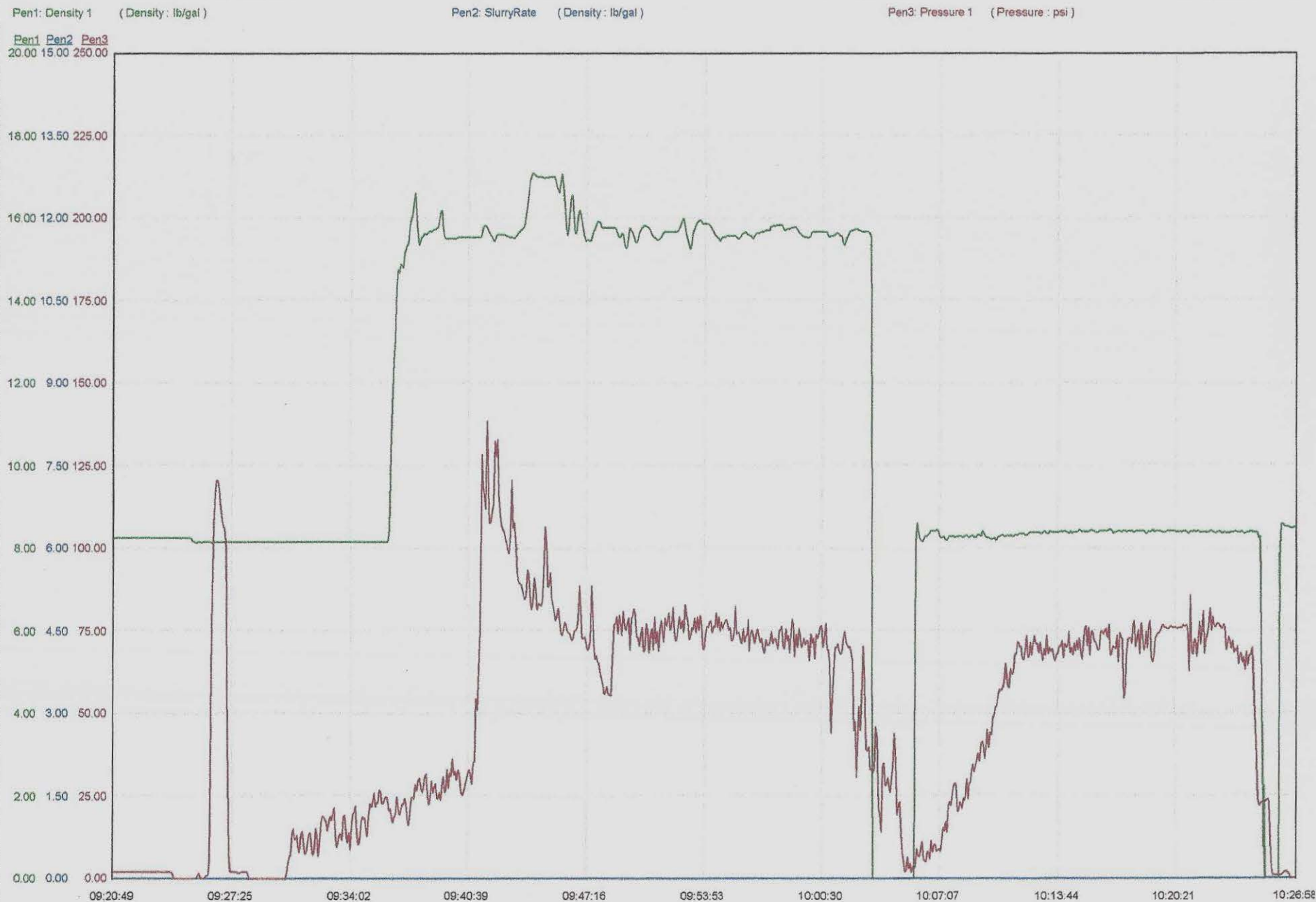
34059 24370 6000

**Pumping, LLC**

[illegible]

SERVICE COMPANY: O TEX PUMPING  
TICKET NO: MO-000234  
CUSTOMER NAME: A E P  
WELL NAME: RED HILL FARMS 3H  
WELL LOCATION: QUAKER CITY

DATE RECORDED: 06/28/2014  
JOB NO: JobNumber  
UNIT DESCRIPTION: 922 PUMP  
UNIT NOTES: STEVE ANDREWS  
FILE NAME: A E P\_RED HILL FARMS 3H\_14\_06\_28\_#1.csv



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### LOCATION WATER TEST

#### General Information

Customer: AEPDate: 6/29/2014Sales Order #: MO-000234Time: 9:00 AMLease Name & #: Red Hill Farms 3HWater Source: FRACSL Name & Employee #: Ed Hill

#### Test Results Sample #1

	Field	Lab	Standards
Temp	<u>78 ° F</u>	<u>° F</u>	Max Temp 120° F
pH	<u>7.0</u>	<u></u>	6.0 - 8.0
Sulfates	<u>79 mg/L</u>	<u>mg/L</u>	Less Than 1800 mg/L
Chlorides	<u>&lt;25 mg/L</u>	<u>mg/L</u>	Less Than 3000 mg/L
Tannin & Lignin	<u>N Y/N</u>	<u>Y/N</u>	No Trace
Bicarbonates	<u>N</u>	<u>mg/L</u>	Less Than 500 mg/L

#### Test Results Sample #2

	Field	Lab	Standards
Temp	<u>° F</u>	<u>° F</u>	Max Temp 120° F
pH	<u></u>	<u></u>	6.0 - 8.0
Sulfates	<u>mg/L</u>	<u>mg/L</u>	Less Than 1800 mg/L
Chlorides	<u>mg/L</u>	<u>mg/L</u>	Less Than 3000 mg/L
Tannin & Lignin	<u>Y/N</u>	<u>Y/N</u>	No Trace
Bicarbonates	<u></u>	<u>mg/L</u>	Less Than 500 mg/L

#### Cement Slurry Temperature

LEAD 98 ° FTAIL ° F

Remarks: