



**MIDWEST SURVEYS**  
LOGGING - PERFORATING - CONSULTING SERVICES  
P.O. Box 68, Osawatomie, KS 66064  
913.755.2128

**GAMMA RAY / NEUTRON / CCL**

API# 15-121-31,155

File No.  
Company Diamond Star Oil, Inc.  
Well Ellis No. DI-2  
Field Paola - Rantoul  
County Miami  
State Kansas

Location  
1986' FSL & 4533' FEL  
NW-NE-NW-SW  
Sec. 19  
Twp. 17S  
Rge. 22E  
Permanent Datum  
Log Measured From  
Drilling Measured From  
GL  
GL

Other Services  
Perforate  
Elevation  
K.B. NA  
DF. NA  
G.L. 1000'

Date  
12-10-2015

Run Number  
One

Depth Driller  
657.0

Depth Logger  
644.8

Bottom Logged Interval  
643.8

Top Log Interval  
20.0

Fluid Level  
Full

Type Fluid  
Water

Density / Viscosity  
NA

Salinity - PPM  
NA

Max Recorded Temp  
0.0

Estimated Cement Top  
Equipment No  
Location  
104  
Osawatomie

Recorded By  
Witnessed By  
John Paulsen

BORE-HOLE RECORD  
CASING RECORD

0 Gamma Ray (cps) 150

100 Neutron (cps) 1900

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

5500

5600

5700

5800

5900

6000

6100

6200

6300

6400

6500

6600

6700

6800

6900

7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

9400

9500

9600

9700

9800

9900

10000

10100

10200

10300

10400

10500

10600

10700

10800

10900

11000

11100

11200

11300

11400

11500

11600

11700

11800

11900

12000

12100

12200

12300

12400

12500

12600

12700

12800

12900

13000

13100

13200

13300

13400

13500

13600

13700

13800

13900

14000

14100

14200

14300

14400

14500

14600

14700

14800

14900

15000

15100

15200

15300

15400

15500

15600

15700

15800

15900

16000

16100

16200

16300

16400

16500

16600

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

17700