

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Ritchie Exploration**

LEASE #1 C & W
FIELD Wildcat
LOCATION S1/2 N1/2 NW
SEC 31
COUNTRY Wichita STATE KS
CONTRACTOR WW #2
SPUD 7-10-14 COMP 7-19-14
R/TD 5118 L/TD 5119

MUD UP 3393 ELEVATIONS
TYPE MUD Chem
FORMAT DRILLING POSITION

SAMPLE LOG
ELECTRIC SUB-SEA
TOP DEPTH DF
804 3398
GL
MEASUREMENTS ARE ALL
FOR KB
CASING SURFACE
PRODUCTION 4 1/2" 2 3/8"
ELECTRICAL SURVEYS
DRAULIC LOG

REMARKS

LEGEND

Anhydrite Salt Sandstone Shale Carb. sh. Limestone Ool. Lime Chert Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

ANHYDRITE 2573 +830

2600

2654 -1212

2700

2754 -1265

2800

2854 -1318

2900

2954 -1371

3000

3054 -1424

3100

3154 -1477

3200

3254 -1530

3300

3354 -1583

3400

3454 -1636

3500

3554 -1689

3600

3654 -1742

3700

3754 -1795

3800

3854 -1848

3900

3954 -1901

4000

4054 -1954

4100

4154 -2007

4200

4254 -2060

4300

4354 -2113

4400

4454 -2166

4500

4554 -2219

4600

4654 -2272

4700

4754 -2325

4800

4854 -2378

4900

4954 -2431

5000

5054 -2484

5100

5154 -2537

5200

5254 -2590

5300

5354 -2643

5400

5454 -2696

5500

5554 -2749

5600

5654 -2792

5700

5754 -2845

5800

5854 -2898

5900

5954 -2951

6000

6054 -3004

6100

6154 -3057

6200

6254 -3110

6300

6354 -3163

6400

6454 -3216

6500

6554 -3269

6600

6654 -3322

6700

6754 -3375

6800

6854 -3428

6900

6954 -3481

6900

6954 -3534

7000

7054 -3587

7100

7154 -3640

7200

7254 -3693

7300

7354 -3746

7400

7454 -3799

7500

7554 -3852

7600

7654 -3905

7700

7754 -3958

7800

7854 -4011

7900

7954 -4064

8000

8054 -4117

8100

8154 -4170

8200

8254 -4223

8300

8354 -4276

8400

8454 -4329

8500

8554 -4382

8600

8654 -4435

8700

8754 -4488

8800

8854 -4541

8900

8954 -4594

9000

9054 -4647

9100

9154 -4699

9200

9254 -4752

9300

9354 -4795

9400

9454 -4838

9500

9554 -4881

9600

9654 -4924

9700

9754 -4967

9800

9854 -5010

9900

9954 -5053

10000

10054 -5096

10100

10154 -5139

10200

10254 -5182

10300

10354 -5225

10400

10454 -5268

10500

10554 -5311

10600

10654 -5354

10700

10754 -5397

10800

10854 -5440

10900

10954 -5483

11000

11054 -5526

11100

11154 -5569

11200

11254 -5612