API NUMBER: 109 22405

Oil & Gas

Horizontal Hole

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 04/29/2013

Expiration Date: 10/29/2013

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 14N Rge: 4W County: OKLAHOMA

SPOT LOCATION: NW SW SE NW FEET FROM QUARTER: FROM SOUTH FROM WEST SECTION LINES: 411 1489

Lease Name: DEER DRAW Well No: 21-1H Well will be 1489 feet from nearest unit or lease boundary.

Operator LIME ROCK RESOURCES II-A LP Telephone: 7132929500 OTC/OCC Number: 22628 0

LIME ROCK RESOURCES II-A LP 1111 BAGBY ST STE 4600

HOUSTON. TX 77002-2559

TLW PROPERTIES LLC

PO BOX 54525

OKC OK 73154

Formation(s) (Permit Valid for Listed Formations Only):

Name Depth Name Depth HUNTON 1 6500 6 2 7 3 8 4 9 10 20212 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 11000 Ground Elevation: 1094 **Surface Casing: 830** Depth to base of Treatable Water-Bearing FM: 770

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N
Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is BED AQUIFER
Pit Location Formation: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-23141

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

HORIZONTAL HOLE 1

Sec 22 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: NE NW SW NW
Feet From: SOUTH 1/4 Section Line: 1298
Feet From: WEST 1/4 Section Line: 592

Depth of Deviation: 6100 Radius of Turn: 660

Direction: 87
Total Length: 4470

Measured Total Depth: 11000
True Vertical Depth: 6750
End Point Location from Lease,

Unit, or Property Line: 592

Notes:

Category Description

SPACING - 20212 4/29/2013 - G30 - (UNIT) 21 & W2 22-14N-4W

EST WEST EDMOND HUNTON LIME UNIT FOR HNTN