

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

API NUMBER: 103 24660

Approval Date: 05/14/2014
Expiration Date: 11/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 20N Rge: 1W

County: NOBLE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 175 660

Lease Name: LEONARD 20-1-5

Well No: 1H

Well will be 175 feet from nearest unit or lease boundary.

Operator Name: DORADO E & P PARTNERS LLC

Telephone: 7204023700

OTC/OCC Number: 23019 0

DORADO E & P PARTNERS LLC
1401 17TH ST STE 1500
DENVER, CO 80202-1253

TERRY G. & JUDITH C. LEONARD
8900 GUNSMOKE
PERRY OK 73077

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

Name	Depth	Name	Depth
1 WOODFORD	5249	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 624875

Location Exception Orders: 625417

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 9919

Ground Elevation: 1088

Surface Casing: 210

Depth to base of Treatable Water-Bearing FM: 160

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: WELLINGTON

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27056

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 05 Twp 20N Rge 1W County NOBLE

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 195

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 4421

Radius of Turn: 493

Direction: 360

Total Length: 4723

Measured Total Depth: 9919

True Vertical Depth: 5249

End Point Location from Lease,
Unit, or Property Line: 195

Notes:

Category	Description
BOTTOM-HOLE LOCATION	5/14/2014 - G75 - 195' FNL, 660' FEL NE4 5-20N-1W PER SURVEY PLAT
LOCATION EXCEPTION - 625417	5/14/2014 - G75 - (I.O.) 5-20N-1W X624875 WDFD, OTHERS COMPL. INT. NCT 195 FSL, NCT 195 FNL, NCT 660 FEL DORADO E & P PARTNERS, LLC 5-14-2014
SPACING - 624875	5/14/2014 - G75 - (640)(HOR) 5-20N-1W VAC OTHERS EST OTHERS EXT 620720 WDFD, OTHERS POE TO BHL NCT 330' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)
SURFACE LOCATION	5/14/2014 - G75 - 175' FSL, 660' FEL SE4 5-20N-1W PER SURVEY PLAT;

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.