

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

API NUMBER: 103 24690

Approval Date: 10/23/2014  
Expiration Date: 04/23/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 21N Rge: 1W

County: NOBLE

SPOT LOCATION:  N2  N2  NE  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 1980

Lease Name: FRANKIE VANN

Well No: 21-1-28 1H

Well will be 250 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 1100  
DENVER, CO 80202-1253

VANN MEADOW LANDS, LLC  
8414 EDGEMOOR  
HOUSTON TX 77036

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4850	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405043  
201405042

Special Orders:

Total Depth: 10361

Ground Elevation: 1088

**Surface Casing: 1000**

Depth to base of Treatable Water-Bearing FM: 430

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: 14-28613  
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 28 Twp 21N Rge 1W County NOBLE

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 195

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 4335

Radius of Turn: 635

Direction: 336

Total Length: 4843

Measured Total Depth: 10361

True Vertical Depth: 4903

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

Notes:

Category	Description
DEEP SURFACE CASING	10/15/2014 - G76 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING - 201405042	10/23/2014 - G72 - (640 HORZ) 28-21N-01W VAC 216782 MSSLM, OTHER, VAC 177408 MISS, OTHER, EST MSSP, OTHERS, REC 9/17/2014 (M PORTER)
PENDING CD - 2101405043	10/23/2014 - G72 - 28-21N-01W (I.O.) X 201405042 MSSP, OTHERS COMP INT. NCT 195 FNL NCT 195 FSL NCT 660 FWL, NO OPER NAMED, REC 9/17/2014 (M PORTER)

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