

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

API NUMBER: 133 24786 A

Approval Date: 01/17/2018

Expiration Date: 07/17/2018

Directional Hole  
Horizontal Hole

Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 21 Twp: 10N Rge: 6E

County: SEMINOLE

SPOT LOCATION: ☐ SE ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 350 200

Lease Name: WALNUT

Well No: 2-20H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: NEW DOMINION LLC

Telephone: 9185876242

OTC/OCC Number: 20585 0

NEW DOMINION LLC  
1307 S BOULDER AVE STE 400  
TULSA, OK 74119-3220

ELDON SMITH  
35526 EW 1160  
SEMINOLE OK 74868

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

Name	Depth	Name	Depth
1 MISENER-HUNTON	4359	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 553866

Location Exception Orders: 563300

Increased Density Orders:

Pending CD Numbers: 201800222

Special Orders:

Total Depth: 9118

Ground Elevation: 972

Surface Casing: 1433 IP

Depth to base of Treatable Water-Bearing FM: 1380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: VANOSS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-33634

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

DIRECTIONAL HOLE 1

Sec 21 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: NE SW NE NW

Feet From: NORTH 1/4 Section Line: 983

Feet From: EAST 1/4 Section Line: 848

Measured Total Depth: 4950

True Vertical Depth: 4558

End Point Location from Lease,

Unit, or Property Line: 848

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 20 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: SW NE SE SE

Feet From: SOUTH 1/4 Section Line: 742

Feet From: EAST 1/4 Section Line: 456

Depth of Deviation: 3396

Radius of Turn: 600

Direction: 225

Total Length: 5609

Measured Total Depth: 9118

True Vertical Depth: 4406

End Point Location from Lease,

Unit, or Property Line: 742

#### HORIZONTAL HOLE 2

Sec 21 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: SW SW NE SW

Feet From: NORTH 1/4 Section Line: 1148

Feet From: EAST 1/4 Section Line: 1265

Depth of Deviation: 3396

Radius of Turn: 600

Direction: 190

Total Length: 3784

Measured Total Depth: 7774

True Vertical Depth: 4419

End Point Location from Lease,

Unit, or Property Line: 1265

#### HORIZONTAL HOLE 3

Sec 20 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: NE NE SW NE

Feet From: NORTH 1/4 Section Line: 1600

Feet From: EAST 1/4 Section Line: 1461

Depth of Deviation: 3396

Radius of Turn: 600

Direction: 260

Total Length: 4242

Measured Total Depth: 8287

True Vertical Depth: 4367

End Point Location from Lease,

Unit, or Property Line: 1179

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#### HORIZONTAL HOLE 4

Sec 21 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: SE SW SW NW

Feet From: NORTH 1/4 Section Line: 2453

Feet From: EAST 1/4 Section Line: 2195

Depth of Deviation: 3396

Radius of Turn: 600

Direction: 230

Total Length: 3498

Measured Total Depth: 6901

True Vertical Depth: 4432

End Point Location from Lease,  
Unit, or Property Line: 2195

#### HORIZONTAL HOLE 5

Sec 20 Twp 10N Rge 6E County SEMINOLE

Spot Location of End Point: SE NW NE NE

Feet From: NORTH 1/4 Section Line: 350

Feet From: EAST 1/4 Section Line: 810

Depth of Deviation: 3546

Radius of Turn: 477

Direction: 270

Total Length: 3250

Measured Total Depth: 7545

True Vertical Depth: 4427

End Point Location from Lease,  
Unit, or Property Line: 350

#### Notes:

##### Category

##### Description

HYDRAULIC FRACTURING

1/3/2018 - G75 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 563300

1/3/2018 - G75 - (F.O.)(IRR UNIT) E2 20 & W2 21-10N-6E  
X553866 MSRH  
SHL NCT 350 FNL, NCT 200 FEL NW4 21  
BHL (SUMP) NCT 50' FNL, NCT 50' FEL NW4 21  
BHL (LATERAL 1) NCT 50 FSL, NCT 50 FWL SE4 20  
BHL (LATERAL 2) NCT 50 FSL, NCT 50 FEL SW4 21  
BHL (LATERAL 3) NCT 50 FNL, NCT 50 FWL NE4 20  
NEW DOMINION, L.L.C.  
12-11-2008 (WELL SPUD 11-6-2008)

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

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133 24786 WALNUT 2-20H

Category	Description
PENDING CD - 201800222	1/11/2018 - G75 - (E.O.)(IRR UNIT) E2 20 & W2 21-10N-6E X553866 MSRH SHL 350' FNL, 200' FEL NW4 21 ENTRY (LATERAL 3A) 733' FNL, 625' FEL NW4 21 BHL (LATERAL 3A) 2453' FNL, 2195' FEL NW4 21 ENTRY (LATERAL 4) NCT 350' FNL, NCT 200' FEL NW4 21 BHL (LATERAL 4) NCT 50' FNL, NCT 50' FWL NE4 20 NO OP. NAMED REC 1-16-2018 (JOHNSON)
SPACING - 553866	1/3/2018 - G75 - (640)(IRR UNIT) E2 20 & W2 21-10N-6E VAC 89515 MSNR, HNTN, OTHERS E2 SE4 20 VAC 287589 HNTN, OTHERS S2 NE4, W2 SE4 20 VAC OTHERS VAC 281100 HNTN, MSNR N2 NE4 20 VAC 281100 MSNR NW4 21 VAC 161515 HNTN NW4 21 VAC 535412/537252 MSRH, OTHERS E2 20 & W2 21 EST MSRH, OTHERS