

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

API NUMBER: 051 24041

Approval Date: 06/20/2016

Expiration Date: 12/20/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 8N Rge: 5W County: GRADY
SPOT LOCATION: SE NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 550 1260

Lease Name: DICKENS Well No: 1H-10X Well will be 550 feet from nearest unit or lease boundary.

Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 9188781290; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
1 WILLIAMS CTR STE 1900
TULSA, OK 74172-0162

OLIVER REAL ESTATE HOLDINGS, L.L.C
101 N. ROBINSON AVENUE, SUITE 900
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10471	6	
2 WOODFORD	10656	7	
3		8	
4		9	
5		10	

Spacing Orders: 652880

Location Exception Orders: 653398

Increased Density Orders:

Pending CD Numbers: 201601510

Special Orders:

Total Depth: 21335

Ground Elevation: 1360

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 6 Twn. 2N Rng. 4W Cnty. 137 Order No: 617361

H. SEE MEMO

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.

PIT 2 INFORMATION

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 10 Twp 8N Rge 5W County GRADY

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 10865

Radius of Turn: 740

Direction: 360

Total Length: 9307

Measured Total Depth: 21335

True Vertical Depth: 10656

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

6/16/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/16/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

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Category	Description
LOCATION EXCEPTION - 653398	<p>6/17/2016 - G60 - (I.O.) 10 & 15-8N-5W X652880 MSSP, WDFD SHL (15-8N-5W) NCT 150' FSL NCT 2310' FEL ** COMPL. INT. (15-8N-5W) NCT 165' FSL, NCT 0' FNL, NCT 2310' FEL COMPLT. INT. (10-8N-5W) NCT 0' FSL, NCT 165' FNL, NCT 2310' FEL NEWFIELD EXPLORATION MID-CONTINENT, INC. 6-10-16</p> <p>** SHL ON ITD IS 550' FNL, 1260' FWL, 22-8N-5E; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION</p>
MEMO	<p>6/16/2016 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED, AND BURIED ON SITE; PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201601510	<p>6/17/2016 - G60 - (I.O.) 10 & 15-8N-5W EST MULTIUNIT HORIZONTAL WELL X652880 MSSP, WDFD (MSSP IS ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 10-8N-5W 50% 15-8N-5W NO OP. NAMED REC. 6-13-16 (JOHNSON)</p>
SPACING - 652880	<p>6/17/2016 - G60 - (640)(HOR) 10 & 15-18N-5W EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL AND FSL, NLT 330' FEL AND FWL (COEXIST WITH SP. ORDER 163907 MSSP)</p>

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