

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

API NUMBER: 051 24042

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 1300

Lease Name: OLIVER Well No: 1H-22X 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	HUNTON	10762	8	
4			9	
5			10	

Spacing Orders: 634535 Location Exception Orders: 653123 Increased Density Orders:  
653122  
652592

Pending CD Numbers: 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: No

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: 150000

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 27 Twp 8N Rge 5W County GRADY

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 10865

Radius of Turn: 740

Direction: 175

Total Length: 9307

Measured Total Depth: 21335

True Vertical Depth: 10910

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

Notes:

Category

Description

DEEP SURFACE CASING

6/17/2016 - 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

6/17/2016 - 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 - 653123	6/17/2016 - G60 - (I.O.) 22 & 27-8N-5W X652592 (22-8N-5W) MSSP, WDFD, HNTN X634535 (27-8N-5W) MSSP, WDFD, HNTN SHL (15-8N-5W) NCT 150' FSL, NCT 330' FWL *** COMPL. INT. (22-8N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (27-8N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NEWFIELD EXPLORATION MID-CONTINENT INC. 6-1-16
MEMO	***SHL LOCATION ON ITD IS (22-8N-5W) 550' FNL, 1300' FWL 6/17/2016 - 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
SPACING - 634535	6/17/2016 - G60 - (640)(HOR) 27-8N-5W EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NCT 165' FNL AND FSL, NLT 330' FEL AND FWL (COEXIST WITH SP. ORDER 285656 MSRH, MSSP)
SPACING - 652592	6/20/2016 - G60 - (640)(HOR) 22-8N-5W EXT 634535 MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL AND FSL, NLT 330' FEL AND FWL (COEXIST WITH SP. ORDER 258656 MSSP, MSRH)
SPACING - 653122	6/17/2016 - G60 - (I.O.) 22 & 27-8N-5W EST MULTIUNIT HORIZONTAL WELL X652592 (22-8N-5W) MSSP, WDFD, HNTN X634535 (27-8N-5W) MSSP, WDFD, HNTN (MSSP AND HNTN ARE ASSOCIATED COMMONS SOURCES OF SUPPLY TO WDFD) 50% 22-8N-5W 50% 27-8N-5W NEWFIELD EXPLORATION MID-CONTINENT INC. 6-1-16

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