

API NUMBER: 133 25387

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

Approval Date: 10/14/2022

Expiration Date: 04/14/2024

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 8N Range: 5E County: SEMINOLE

SPOT LOCATION: ☐ SW ☐ NW ☐ SW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1807 204

Lease Name: BLAND Well No: 1-28 Well will be 204 feet from nearest unit or lease boundary.

Operator Name: REACH OIL AND GAS COMPANY INC Telephone: 4052545779 OTC/OCC Number: 24558 0

REACH OIL AND GAS COMPANY INC

OKLAHOMA CITY, OK 73118-1100

REACH OIL AND GAS COMPANY

6301 WATERFORD BLVD, STE 120

OKLAHOMA CITY OK 73118

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

	Name	Code	Depth
1	SENORA	404SNOR	3295
2	EARLSBORO	404ERLB	3461
3	BARTLESVILLE	404BRVL	3708
4	HUNTON	269HNTN	4356
5	VIOLA	202VIOL	4436

	Name	Code	Depth
6	SIMPSON DOLOMITE	202SMPSD	4526
7	1ST WILCOX	202WLCX1	4533
8	2ND WILCOX	202WLCX2	4622

Spacing Orders: 728128

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 4750

Ground Elevation: 933

Surface Casing: 900

Depth to base of Treatable Water-Bearing FM: 850

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

PIT 1 INFORMATION

Type of Pit System: ON SITE

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

Pit Location is: BED AQUIFER

Pit Location Formation: VANOSS

DIRECTIONAL HOLE 1

Section: 28 Township: 8N Range: 5E Meridian: IM

County: POTTAWATOMIE

Measured Total Depth: 4750

Spot Location of End Point: SW NW SE NE

True Vertical Depth: 4675

Feet From: NORTH 1/4 Section Line: 1689

Feet From: EAST 1/4 Section Line: 1197

End Point Location from
Lease, Unit, or Property Line: 907

NOTES:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

Category	Description
HYDRAULIC FRACTURING	<p>[10/14/2022 - G56] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
PUBLIC WATER SUPPLY	[10/14/2022 - G56] - MAUD PWS - 2 WELLS NE4 33-8N-5E; 1 WELL SE4 28-8N-5E; 1 WELL NW4 34-8N-5E;
SPACING - 728128	<p>[10/14/2022 - G56] - (128.02)(IRR UNIT) NE4 28-8N-5E</p> <p>VAC 212488 WLCX E2 NE4</p> <p>EST SNOR, ERLB, HNTN, VIOL, SMPSD, WLCX1, WLCX2, OTHERS</p>
SURFACE CASING	[10/14/2022 - G56] - WITHIN 1 MILE OF PWS BOUNDARY, NO DEEP SURFACE CASING 165:10-3-4 (C)(5);