

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

API NUMBER: 073 25513

Approval Date: 02/10/2017

Expiration Date: 08/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 19N Rge: 8W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 171 970

Lease Name: BENNIE RACER 14

Well No: 1H

Well will be 171 feet from nearest unit or lease boundary.

Operator Name: GASTAR EXPLORATION INC

Telephone: 7137391800

OTC/OCC Number: 23199 0

GASTAR EXPLORATION INC  
1331 LAMAR STE 650  
HOUSTON, TX 77010-3131

BENNIE D RACER  
11154 HWY 51  
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7454	6	
2	WOODFORD	7940	7	
3			8	
4			9	
5			10	

Spacing Orders: 629623

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201605684

Special Orders:

Total Depth: 12945

Ground Elevation: 1183

**Surface Casing: 560**

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-32136

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 14 Twp 19N Rge 8W County KINGFISHER

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 7091

Radius of Turn: 573

Direction: 1

Total Length: 4954

Measured Total Depth: 12945

True Vertical Depth: 7940

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

#### HYDRAULIC FRACTURING

2/8/2017 - 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

#### PENDING CD - 201605684

2/10/2017 - G60 - (I.O.) 14-19N-8W  
X629623 MSSP, WDFD  
SHL NCT 0' FSL, NCT 0' FNL, NCT 0' FWL  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FWL  
REC. 1/10/17 (NORRIS)

#### SPACING - 629623

2/10/2017 - G60 - (640)(HOR) 14-19N-8W  
EST MSSP  
EXT 610574 WDFD  
COMPL. INT. (MSSP) NCT 660' FB  
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL  
(COEXIST WITH 69169/104380 MISS)

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073 25513 BENNIE RACER 14 1H