

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

API NUMBER: 073 25529

Approval Date: 02/22/2017
Expiration Date: 08/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 17N Rge: 7W County: KINGFISHER
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 287 1574

Lease Name: STITT Well No: 32-1H Well will be 287 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

RUSSELL A STITT
807 CLARK DRIVE
KINGFISHER OK 73750

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

| Name | Depth | Name | Depth |
|------------------------|-------|------|-------|
| 1 MISS'AN (EX CHESTER) | 7539 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201605086
201604041

Special Orders:

Total Depth: 13342 Ground Elevation: 1038 Surface Casing: 520 Depth to base of Treatable Water-Bearing FM: 280

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? Y

Wellhead Protection Area? Y

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: 16-31739
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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 32 Twp 18N Rge 7W County KINGFISHER

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2200

Depth of Deviation: 7222

Radius of Turn: 738

Direction: 355

Total Length: 4960

Measured Total Depth: 13342

True Vertical Depth: 7874

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

2/21/2017 - 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 - 201605086

2/21/2017 - G60 - (I.O.) 32-18N-7W
X201604041 MSNLC
SHL NCT 0' FNL, NCT 330' FEL, NCT 330' FWL (32-18N-7W) **
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL OR FWL
NO. OP. NAMED
REC. 2/14/16 (M. PORTER)

**SHL WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

PUBLIC WATER SUPPLY WELLS

2/21/2017 - G71 - KINGFISHER - 3 PWS/WPA, SW/4 33-18N-7W

SPACING - 201604041

2/21/2017 - G60 - (640)(HOR) 32-18N-7W
EST MSNLC
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 70346 MRMC)
REC. 2/14/17 (M. PORTER)

SURFACE CASING

2/21/2017 - G71 - MIN. 300' PER ORDERS 23720/41036/42410

TOTAL DEPTH

2/22/2017 - G60 - 13342' PER OPERATOR