

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

API NUMBER: 073 25670

Approval Date: 06/12/2017
Expiration Date: 12/12/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 19N Rge: 9W County: KINGFISHER
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 149 2537

Lease Name: BRYAN 1909 Well No: 1-1LOH Well will be 88 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

BRYAN FAMILY LAND AND CATTLE LLC
PO BOX 7
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7168	6	
2	WOODFORD	8122	7	
3			8	
4			9	
5			10	

Spacing Orders: 636255

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703274

Special Orders:

Total Depth: 12642

Ground Elevation: 1195

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 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 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32698

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 01 Twp 19N Rge 9W County KINGFISHER

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 6805

Radius of Turn: 573

Direction: 2

Total Length: 4937

Measured Total Depth: 12642

True Vertical Depth: 8122

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

Notes:

Category	Description
HYDRAULIC FRACTURING	6/7/2017 - 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/ 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 - 201703274	6/12/2017 - G64 - (I.O.) 1-19N-9W X636255 MSSP, WDFD SHL NCT 0' FSL, NCT 0' FNL, NCT 0' FEL, NCT 0' FWL COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL, NCT 660' FWL NO OP. NAMED REC. 6-6-2017 (DUNN)
SPACING - 636255	6/12/2017 - G64 - (640)(HOR) 1-19N-9W EXT 612674 MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 66632 MSSOG; ORDER 164525 MNNG; ORDER 356154 MNNG, MSSSD, CSTR)

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.

API: 073 25670

SECTION 1, T 19 N - R 9 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

(X: 1964147.0)
(Y: 421974.0)

(X: 1969426.0)
(Y: 421938.0)

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE

(X: 1966779.0)
(Y: 421968.0)

BOTTOM HOLE
165' FNL - 1980' FEL

1

(X: 1964172.0)
(Y: 419254.0)

(X: 1969435.0)
(Y: 419299.0)

DATUM: NAD 27
LAT.: N36°08'42"
LONG.: W98°06'44"
LAT.: N36.144960
LONG.: W98.112085
SPC (US FEET): OK-N
X: 1966906
Y: 416794

2483'

(X: 1964195.0)
(Y: 416616.0)

LANDING POINT
165' FSL - 1980' FEL

(X: 1969443.0)
(Y: 416671.0)

88'

2537'

X: 1966819.2
Y: 416643.4

149'

Operator: GASTAR EXPLORATION, INC Date Staked: 06/02/17
Lease Name: BRYAN 1909 1 Well No.: 1LOH Elevation: 1195'
Topography and Vegetation: PASTURE
Good Drill Site? YES Reference or Alt. Location Stakes Set: NONE
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy. Jct. or town: FROM OKEENE HEAD EAST ON ST. HWY 51 FOR 11 MILES,
TURN NORTH ON CO. RD. N2740 FOR 2 MILES, TURN EAST ON CO. RD. E0600 FOR .5 MILES, TURN NORTH INTO LOCATION.

LEGEND

- SURFACE LOCATION *
- EXISTING WELL ☼
- BOTTOM HOLE/LANDING POINT ●
- PROPOSED DRILL PATH ———
- EXISTING PIPELINE -PI-PI-PI-PI-PI-PI-
- ELECTRIC LINE -E-E-E-E-E-E-
- OVERHEAD POWER -OP-OP-OP-OP-OP-
- FENCE -X-X-X-X-X-X-

Fred Anthony Selesky
FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO. 1860
DATE: 6-6-2017



Gateway
Gateway Services Group, LLC
P.O. BOX 980
MEEKER, OK 74855
OFF. (405) 273-0854
FAX (405) 273-0580
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY
GASTAR EXPLORATION, INC
BRYAN 1909 1-1LOH
149' FSL - 2537' FEL
SECTION 1, T 19 N - R 9 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: CLC	DATE: 06/03/17	CHK'D: BOW
GATEWAY NO.: 17-0287-002	SCALE: 1"=1000'	
PAD#:	WELL#:	
REV.	DWN.	DESCRIPTION
		DATE

NOTE:
This is a plat of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.