

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

API NUMBER: 073 25671

Approval Date: 06/13/2017
Expiration Date: 12/13/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 19N Rge: 7W

County: KINGFISHER

SPOT LOCATION: NE NE NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 294 2465

Lease Name: STOWEY 1907

Well No: 11-1LOH

Well will be 294 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

CAROLYN S MARLEY LIVING TRUST
2300 NORTH TYLER ROAD, APT 130
WICHITA KS 67205

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	6960	6	
2	WOODFORD	7448	7	
3			8	
4			9	
5			10	

Spacing Orders: 645175

Location Exception Orders: 664405

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12752

Ground Elevation: 1121

Surface Casing: 540

Depth to base of Treatable Water-Bearing FM: 300

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 BED AQUIFER

Pit Location Formation: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32697
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 11 Twp 19N Rge 7W County KINGFISHER

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 6597

Radius of Turn: 760

Direction: 358

Total Length: 4961

Measured Total Depth: 12752

True Vertical Depth: 7448

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

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/](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

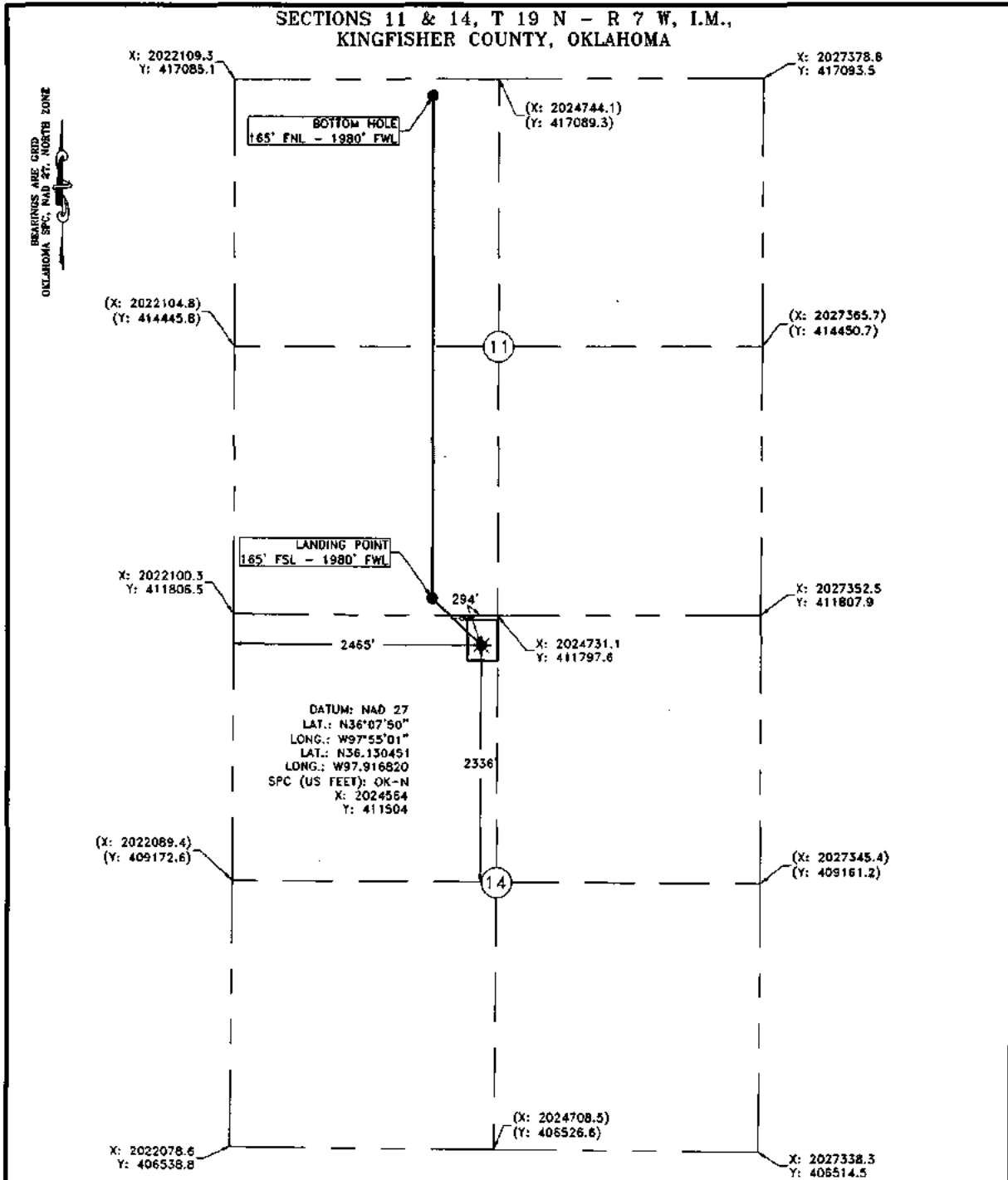
LOCATION EXCEPTION - 664405

6/13/2017 - G60 - (I.O.) 11-19N-7W
X645175 MSSLM, WDFD
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL OR FWL
GASTAR EXPLORATION INC.
6/5/17

SPACING - 645175

6/13/2017 - G60 - (640)(HOR) 11-19N-7W
EST MSSLM
EXT 600385 WDFD
COMPL. INT. (MSSLM) NCT 660' FB
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
(COEXIST WITH SP. ORDER 53739 MSSSD)

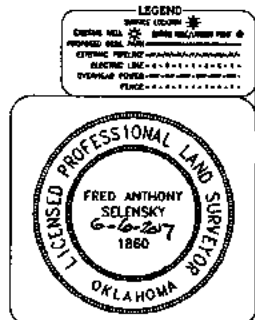
3507325671



Operator: GASTAR EXPLORATION, INC Date Staked: 05/02/17
 Lease Name: STOWEY 1907 11 Well No.: 110H Elevation: 1121'
 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 HENNESSEY HEAD NORTH ON MAIN ST /
CO. RD. N2865 FOR 1 MILE, TURN WEST ON CO. RD. F0810 FOR 1.03 MILES, TURN SOUTH INTO LOCATION.

Fred Anthony Selensky
 FRED ANTHONY SELENSKY
 OKLAHOMA L.P.L.S. NO. 1860

NOTE:
 This is a plot 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 correct Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or D.L.O. record distances. Review this plot and notify Gateway Services Group, LLC immediately of any possible discrepancy.



GateWay
 GateWay Services Group, LLC
 PO. BOX 480
 MIDWEST, OK 74856
 TEL: (405) 278-0054
 FAX: (405) 278-0580
 C.A. NO. 4061 (15)
 EXP. 04/16 0-30-2016

EXHIBIT "A" PRELIMINARY
 GASTAR EXPLORATION, INC
 STOWEY 1907 11 - 110H
 254' FSL - 2465' FSL
 SECTIONS 11 & 14, T 19 N - R 7 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DATE	DESCRIPTION	DATE