API NUMBER: 073 24899 Α

Oil & Gas

Horizontal Hole

HOUSTON.

Category of Pit: C

Liner not required for Category: C Pit Location is AP/TE DEPOSIT Pit Location Formation:

TERRACE

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

Approval Date: 09/09/2016 03/09/2017 **Expiration Date** 

160 feet from nearest unit or lease boundary.

23199 0

OTC/OCC Number:

							PERMIT TO		DRILL	
	VELL LOCATION:			Rge: 6V	Cou FEET FROM QUARTER SECTION LINES:	•	GFISHER SOUTH 160	FROM	EAST 679	
Lease Name: KATY					Well No:		21-1H			
	Operator Name:	GASTAR E	XPLORATIO	N INC			Teleph	none:	7137391800	
	GASTAR	EXPLORA <sup>-</sup>	TION INC							
		IAR STE 65							SC	

TX

77010-3131

SCOTT BURTON 811 LUCINDA LANE **KINGFISHER** OK 73750

Well will be

Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth MISSISSIPPIAN 6950 1 6 2 7 3 8 4 9 10 616854 Spacing Orders: Location Exception Orders: Increased Density Orders: Pending CD Numbers: 201603733 Special Orders: Total Depth: 12500 Ground Elevation: 1170 Surface Casing: 390 Depth to base of Treatable Water-Bearing FM: 150 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31580 H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST 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? located in a Hydrologically Sensitive Area.

## **HORIZONTAL HOLE 1**

Sec 21 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: SE SW SE SE
Feet From: SOUTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 679

Depth of Deviation: 6382
Radius of Turn: 700
Direction: 180
Total Length: 5018

Measured Total Depth: 12500

True Vertical Depth: 7082

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

Notes:

Category Description

HYDRAULIC FRACTURING 9/8/2016 - 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 - 201603733 9/9/2016 - G60 - (E.O.) 21-18N-6W

X616854 MSSP, OTHÉRS

COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FEL OR FWL

GASTAR EXPLORATION INC.

REC. 9-9-16 (LEAVITT)

SHL 9/9/2016 - G60 - 679 FEL PER PLAT

SPACING - 616854 9/9/2016 - G60 - (640)(HOR) 21-18N-6W

EST MSSP, OTHERS

POE TO BHL NLT 660' FB

(COEXIST WITH SP. ORDER 56410/56513/62761 MSSLM)

