PI NUMBER: 073 25555 rizontal Hole Oil & Gas	OIL & GAS C P. OKLAHOM	DRPORATION COMMISS ONSERVATION DIVISION O. BOX 52000 A CITY, OK 73152-2000 ule 165:10-3-1)			
	PE	RMIT TO DRILL			
WELL LOCATION: Sec: 28 Twp: 19N Rge: 8W	County: KINGFISH	IFR			
		UTH FROM WEST			
	ECTION LINES: 184				
Lease Name: PUDGE 1908 28	Well No: 1H		Well will be 177 feet from n	earest unit or lease boundary.	
Operator GASTAR EXPLORATION INC Name:		Telephone: 7137391800	OTC/OCC Numb	er: 23199 0	
GASTAR EXPLORATION INC 1331 LAMAR STE 650		BARRY K	BOLLENBACH		
	TX 77010-3131		1013 PARK PLAZA		
	1010 0101	KINGFISH	HER OK	OK 73750	
2 3 4 5		7 8 9 10			
Spacing Orders: 622905	Location Exception Orders:		Increased Density Orde	Increased Density Orders:	
Pending CD Numbers: 201605683			Special Orders:		
Total Depth: 13168 Ground Elevation: 1158	Surface Cas	sing: 490	Depth to base of Treatable V	Nater-Bearing FM: 250	
Under Federal Jurisdiction: No	Fresh Water Supply Well Drilled:		Surface Wa	ater used to Drill: No	
PIT 1 INFORMATION		Approved Method for	disposal of Drilling Fluids:		
Type of Pit System: CLOSED Closed System Means Stee	el Pits				
Type of Mud System: WATER BASED	D. One time land application (REQ			PERMIT NO: 17-3224	
Chlorides Max: 5000 Average: 3000	H. CLOSED SYSTEM=STEEL PITS PER C		M=STEEL PITS PER OPERATOR RE	QUEST	
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					

HORIZONTAL HOLE 1

KINGFISHER Sec 28 Twp 19N Rge 8W County Spot Location of End Point: N2 N2 NI\// Feet From: NORTH 1/4 Section Line: 165 Feet From: EAST 1/4 Section Line: 660 Depth of Deviation: 7315 Radius of Turn: 573 Direction: 2 Total Length: 4953 Measured Total Depth: 13168 True Vertical Depth: 7888 End Point Location from Lease. Unit, or Property Line: 165 Notes: Description Category HYDRAULIC FRACTURING 3/9/2017 - 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 - 201605683 3/13/2017 - G60 - (I.O.) 28-19N-8W X622905 MISS 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. 1/10/17 (NORRIS) 3/10/2017 - G60 - (640)(HOR) 28-19N-8W SPACING - 622905 EXT 618433 MISS. OTHER COMPL. INT. NCT 660' FB

(SUPERCEDE SP. ORDER 200472/386272 MSSSD N2, SW4, W2 SE4)