PI NUMBER: 073 26177 A	OIL & GAS CONS P.O. E OKLAHOMA CI	DRATION COMMISSION ERVATION DIVISION SOX 52000 ITY, OK 73152-2000 165:10-3-1)	Approval Date: 03/15/2019 Expiration Date: 09/15/2020	
	PERMI	T TO DRILL		
WELL LOCATION: Sec: 04 Twp: 18N Rge: 6W	County: KINGFISHER			
	FEET FROM QUARTER: FROM NORTH	FROM EAST		
Lease Name: IGNITOR 1806	Well No: 4-1LOH	2267 W	ell will be 156 feet from nearest unit or lease boun	ndary
				idai y.
Operator GASTAR EXPLORATION LLC Name:	Telep	hone: 7137391800	OTC/OCC Number: 23199 0	
GASTAR EXPLORATION LLC				
1331 LAMAR STE 650		DOROTHY B	URSHIK TURNER	
	7040 0404	290 BUCCAN	EER WAY	
HOUSTON, TX 7	7010-3131	CORONADO	CA 92118	
2 WOODFORD 3 4 5	7501	7 8 9 10		
Spacing Orders: 665349	Location Exception Orders:	201810079	Increased Density Orders:	
Pending CD Numbers:			Special Orders:	_
Total Depth: 12448 Ground Elevation: 1169	Surface Casing:	460	Depth to base of Treatable Water-Bearing FM: 220	
Under Federal Jurisdiction: No	Fresh Water Supply W	'ell Drilled: No	Surface Water used to Drill: No	
PIT 1 INFORMATION		Approved Method for dispo	sal of Drilling Fluids:	
Type of Pit System: CLOSED Closed System Means Ste	el Pits			
Type of Mud System: WATER BASED			on (REQUIRES PERMIT) PERMIT NO: 18	8-3494
Chlorides Max: 5000 Average: 3000		H. CLOSED SYSTEM=ST	EEL PITS PER OPERATOR REQUEST	
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 04 Twp 18N Rge 6W County Spot Location of End Point: SF SW SW SE Feet From: SOUTH 1/4 Section Line: 150 Feet From: EAST 1/4 Section Line: 2260 Depth of Deviation: 6619 Radius of Turn: 382 Direction: 179 Total Length: 5229 Measured Total Depth: 12448 True Vertical Depth: 7563 End Point Location from Lease. Unit. or Property Line: 150 Notes: Description Category HYDRAULIC FRACTURING 2/22/2019 - G71 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE: 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG PENDING CD - 201810079 3/15/2019 - G58 - (I.O.) E2 4-18N-6W X665349 MSNLC, WDFD COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL, NCT 660' FEL OF E2 OF 4-18N-6W NO OP. NAMED REC 1/8/2019 (M. PORTER) 3/15/2019 - G58 - (320)(HOR) E2 4-18N-6W SPACING - 665349 VAC 48520 MSSSD E2 EST MSNLC, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

073-26177

