API NUMBER: 087 22180

Oil & Gas

Horizontal Hole

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

Approval Date:	09/20/2018
Expiration Date:	03/20/2020

PERMIT TO DRILL

WELL LOCATION:	Sec:	31 Twp	: 6N	Rge:	2W	County	: MCC	LAIN		
SPOT LOCATION:	NE	NE	NE	NE		FEET FROM QUARTER: SECTION LINES:	FROM	NORTH	FROM	EAST
Lease Name: \	/AUGHN 6	SN 2W 29				We	ell No:	245 1HX		235

Well will be 235 feet from nearest unit or lease boundary.

BP AMERICA PRODUCTION COMPANY Operator Telephone: 8326194857; 2813666 OTC/OCC Number: 1640 0 Name:

BP AMERICA PRODUCTION COMPANY 1100 N BROADWAY AVE STE 200

OKLAHOMA CITY. OK 73103-4937 **RON & KATHY SMITH** 17129 ST. HWY 24

PURCELL OK 73080

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

	Name	Depth	Name	Depth
1	WOODFORD	7800 6		
2		7		
3		8		
4		9		
5		10		
Spacing Orders:	677926	Location Exception Orders:		Increased Density Orders:

Pending CD Numbers: 201807187 Special Orders:

201807188 201807189

Total Depth: 17800 Ground Elevation: 1111 Surface Casing: 560 Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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: 18-35305 H. SEE MEMO

Chlorides Max: 5000 Average: 3000

Within 1 mile of municipal water well? N Wellhead Protection Area?

is located in a Hydrologically Sensitive Area.

Is depth to top of ground water greater than 10ft below base of pit? Y

Category of Pit: C

Liner not required for Category: C Pit Location is BED AQUIFER Pit Location Formation: PURCELL

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

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: PURCELL

HORIZONTAL HOLE 1

Sec 20 Twp 6N Rge 2W County MCCLAIN

Spot Location of End Point: NE NW NW NW Feet From: NORTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 528

Depth of Deviation: 6922 Radius of Turn: 382

Direction: 5

Total Length: 10278

Measured Total Depth: 17800

True Vertical Depth: 7800

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

Notes:

MEMO

Category Description

HYDRAULIC FRACTURING 9/19/2018 - 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

9/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201807187 9/19/2018 - G57 - (E.O.)(640)(HOR) 29-6N-2W

VAC 620093 WDFD EXT 677926 WDFD

POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL

REC 9-17-2018 (M. PORTER)

Category Description

PENDING CD - 201807188 9/19/2018 - G57 - (E.O.) 20 & 29-6N-2W

EST MULTIUNIT HORIZONTAL WELL

X677926 WDFD 20-6N-2W X201807187 WDFD 29-6N-2W

50% 20-6N-2W 50% 29-6N-2W

BP AMERICA PRODUCTION COMPANY

REC 9-17-2018 (M. PORTER)

PENDING CD - 201807189 9/19/2018 - G57 - (E.O.) 20 & 29-6N-2W

X677926 WDFD 20-6N-2W X201807187 WDFD 29-6N-2W

COMPL. INT. (29-6N-2W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (20-6N-2W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

NO OP. NAMÈD

REC 9-17-2018 (M. PORTER)

SPACING - 677926 9/19/2018 - G57 - (640)(HOR) 20-6N-2W

VAC 378550 WDFD NÉ4 & N2 SE4 20-6N-2W

EXT 666114 WDFD

POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL

WATERSHED STRUCTURE 9/19/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION

WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405)

527-3452 PRIOR TO DRILLING

