API NUMBER: 073 26581

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: 05/22/2019
Expiration Date: 11/22/2020

PERMIT TO DRILL

WELL LOCATION:	Sec:	27	Twp:	17N	Rge:	6W	County:	KING	FISHER		
SPOT LOCATION:	SW	SW	SE		SW		FEET FROM QUARTER:	FROM	SOUTH	FROM	WEST
							SECTION LINES:		250		1601

Lease Name: BROWN 1706 Well No: 4-27MH Well will be 259 feet from nearest unit or lease boundary.

Operator OKLAHOMA ENERGY ACQUISITIONS LP Telephone: 2815300991 OTC/OCC Number: 23509 0

OKLAHOMA ENERGY ACQUISITIONS LP 15021 KATY FREEWAY STE 400

HOUSTON, TX 77094-1900

JOYCE K. BROWN, TRUSTEE

PO BOX 418

KINGISHER OK 73750

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

	Name	Depth	Name	е	Depth
1	MISSISSIPPIAN (LESS CHESTER)	7584	6		
2			7		
3			8		
4			9		
5			10		
Spacing Orders:	644142	Location Exception Orders:		<u> </u>	Increased Density Orders:

Pending CD Numbers: 201901948 Special Orders:

201901951

Total Depth: 12500 Ground Elevation: 1044 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 120

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: 4000 Average: 1800

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36549
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

HORIZONTAL HOLE 1

Sec 27 Twp 17N Rge 6W County KINGFISHER

Spot Location of End Point: NW NW NE NW
Feet From: NORTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 1620

Depth of Deviation: 6644
Radius of Turn: 573
Direction: 180
Total Length: 4956

Measured Total Depth: 12500
True Vertical Depth: 7584
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category Description

DEEP SURFACE CASING 5/3/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 5/3/2019 - 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 - 201901948 5/8/2019 - G58 - 27-17N-6W

X644142 MSNLC 3 WELLS NO OP. NAMED

REC 5/6/2019 (MINMIER)

PENDING CD - 201901951 5/8/2019 - G58 - (I.O.) 27-17N-6W

X644142 MSNLC

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1495' FWL

NO OP. NAMED

REC 5/6/2019 (MINMIER)

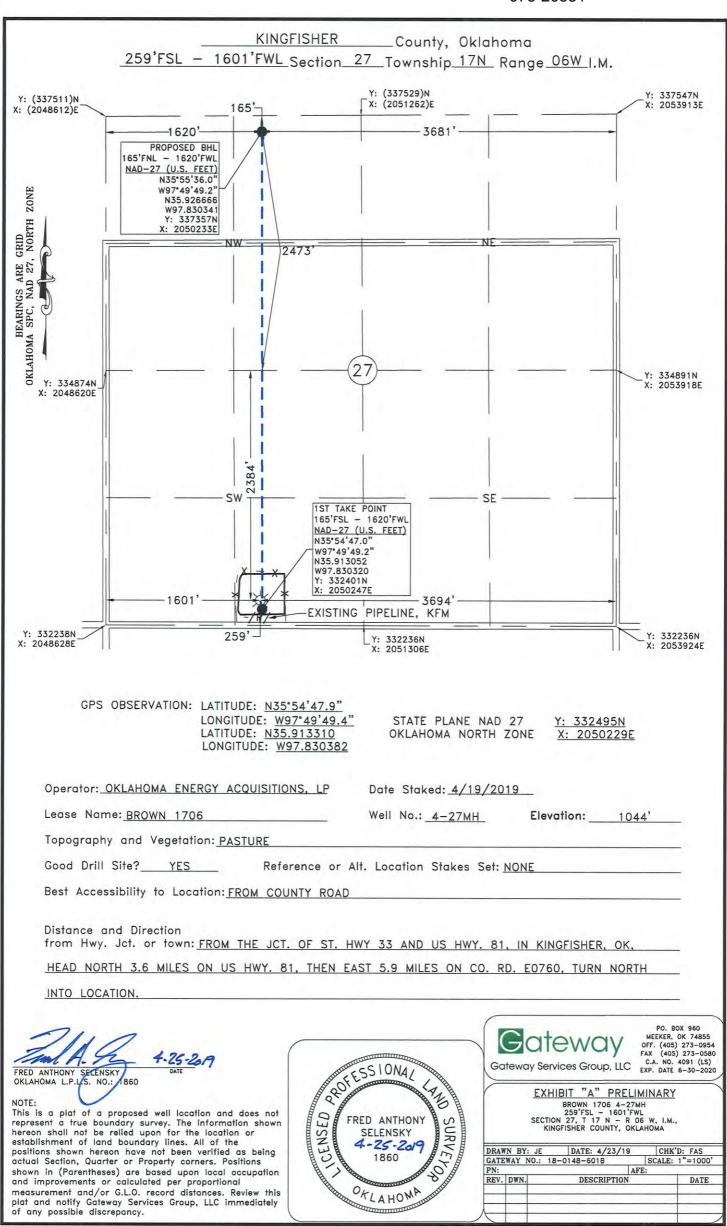
SPACING - 644142 5/8/2019 - G58 - (640)(HOR) 27-17N-6W

EXT OTHERS

EST MSNLC

POE TO BHL NLT 660' FB

(COEXIST SP. ORDER 34429 BPMSU; SP. ORDER 114153 MISS)



OFLAHOMA