

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

API NUMBER: 051 24230

Approval Date: 12/01/2017

Expiration Date: 06/01/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 10N Rge: 7W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 2285

Lease Name: BERGIN

Well No: 2H-36

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: GAEDEKE OIL & GAS OPERATING LLC

Telephone: 2142733339

OTC/OCC Number: 22637 0

GAEDEKE OIL & GAS OPERATING LLC  
3710 RAWLINS ST STE 1000  
DALLAS, TX 75219-6409

WAYNE BERGIN  
128 COUNTY RD  
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10631	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658731

Location Exception Orders: 201707209

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15756

Ground Elevation: 1321

**Surface Casing: 1200**

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 3500 Average: 1000

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

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-33328

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 36 Twp 10N Rge 7W County GRADY

Spot Location of End Point: N2 N2 N2 NE

Feet From: NORTH 1/4 Section Line: 245

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 10462

Radius of Turn: 515

Direction: 11

Total Length: 4485

Measured Total Depth: 15756

True Vertical Depth: 11200

End Point Location from Lease,  
Unit, or Property Line: 85

Notes:

Category

Description

DEEP SURFACE CASING

11/20/2017 - 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

11/20/2017 - 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](http://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](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 201707209

12/1/2017 - G58 - (I.O.) 36-10N-7W  
X658731 MSSP  
SHL NCT 250' FSL, NCT 2285' FEL  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1250' FEL  
NO OP. NAMED  
REC 11/28/2017 (MINMIER)

MEMO

11/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

051 24230 BERGIN 2H-36

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
SPACING - 658731	12/1/2017 - G58 - (640)(HOR) 36-10N-7W VAC 107705 CSTR VAC 599336 MSSLM EST MSSP POE TO BHL NCT 660' FB

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

051-24230

SECTION 36, T 10 N - R 07 W, I.M.,  
GRADY COUNTY, OKLAHOMANE CORNER (NAD 27)  
LAT: N35° 18' 18.39"  
LONG: W97° 52' 57.42"  
ELEV: 1283.0'NW CORNER (NAD 27)  
LAT: N35° 18' 18.31"  
LONG: W97° 54' 01.06"  
ELEV: 1336.1'BOTTOM HOLE  
245' FNL - 1320' FEL

36

DATUM: NAD 27  
LAT.: N35°17'29"  
LONG.: W97°53'25"  
LAT.: N35.291337  
LONG.: W97.890255  
SPC (US FEET): OK-S  
X: 2032753  
Y: 712584R 7 W  
R 6 WBEARINGS ARE GRID  
OKLAHOMA SPC, NAD 27, SOUTH ZONESW CORNER (NAD 27)  
LAT: N35° 17' 26.32"  
LONG: W97° 54' 01.04"  
ELEV: 1334.6'T 10 N  
T 9 N

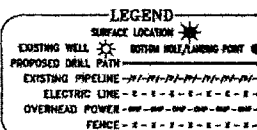
2391'

PENETRATION POINT  
550' FSL - 1320' FELSE CORNER (NAD 27)  
LAT: N35° 17' 26.35"  
LONG: W97° 52' 57.35"  
ELEV: 1329.7'

355'

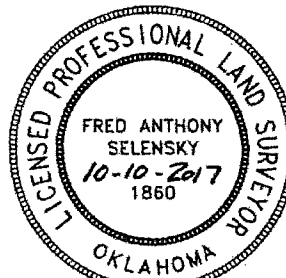
250'

2285'

Operator: GAEDEKE OIL AND GAS OPERATING, LLC  
Lease Name: BERGINDate Staked: 10/4/17Well No.: 2H-36 Elevation: 1321'Topography and Vegetation: PASTUREGood Drill Site? YES Reference or Alt. Location Stakes Set: NONEBest Accessibility to Location: FROM COUNTY ROADDistance and Direction from Hwy. Jct. or town: FROM MINCO HEAD EAST ON HIGHWAY 37 FOR 2.65 MILES, TURN SOUTH ON ROBBINS RD. FOR 1 MILE, TURN EAST ON SW CLAYTON RD. FOR .6 MILES, TURN NORTH INTO LOCATION.FRED ANTHONY SELENSKY  
OKLAHOMA L.P.L.S. NO.: 186010-10-2017  
DATE

## NOTE:

This is a plot of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plot and notify Gateway Services Group, LLC immediately of any possible discrepancy.



Gateway

Gateway Services Group, LLC

P.O. BOX 960  
MEENOR, OK 74855  
OFF. (405) 273-0854  
FAX (405) 273-0580  
C.A. NO. 4091 (LS)  
EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY

GAEDEKE OIL AND GAS OPERATING, LLC

BERGIN 2H-36

250' FSL - 2285' FEL

SECTION 36, T 10 N - R 07 W, I.M.,  
GRADY COUNTY, OKLAHOMA

DRAWN BY: JE DATE: 10/4/17 CHK'D: CWP

GATEWAY NO.: 17-0647-001 SCALE: 1"=1000'

PAD#: WELLS:

REV. DWN. DESCRIPTION DATE