

API NUMBER: 051 24215

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

Approval Date: 11/02/2017
Expiration Date: 05/02/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 9N Rge: 7W County: GRADY
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 275 2025

Lease Name: DOLCH Well No: 1H-36 Well will be 275 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

MARIL DOLCH AND SANDRA DOLCH
1213 COUNTY STREET 2860
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 WOODFORD	12199	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 667031

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17481

Ground Elevation: 1189

Surface Casing: 1200

Depth to base of Treatable Water-Bearing FM: 340

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 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: CHICKASHA

D. One time land application - (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 17-33319

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 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: CHICKASHA

HORIZONTAL HOLE 1

Sec 36 Twp 9N Rge 7W County GRADY

Spot Location of End Point: N2 NE NW NE

Feet From: NORTH 1/4 Section Line: 85

Feet From: EAST 1/4 Section Line: 1650

Depth of Deviation: 11672

Radius of Turn: 454

Direction: 3

Total Length: 5095

Measured Total Depth: 17481

True Vertical Depth: 12200

End Point Location from Lease,

Unit, or Property Line: 85

Notes:

Category

Description

COMPLETION INTERVAL

11/2/2017 - G60 - WILL BE LEGAL 165' FNL/FSL, 330' FEL/FWL PER OPERATOR

DEEP SURFACE CASING

11/2/2017 - 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

11/1/2017 - 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; 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

MEMO

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

SPACING - 667031

11/2/2017 - G60 - (E.O.)(640)(HOR) 36-9N-7W
VAC OTHERS
EST WDFD, OTHERS
8/16/17

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 24215 DOLCH 1H-36

3505124215

SECTION 36, T 09 N - R 07 W, I.M.,
GRADY COUNTY, OKLAHOMANE CORNER (NAD27)
LAT: N35°13'05.15"
LONG: W97°52'57.44"
ELEV:1206.5'NW CORNER (NAD27)
LAT: N35°13'05.22"
LONG: W97°54'01.03"
ELEV:1230.3'NW CORNER, NE/4
LAT: (N35°13'05.19")
LONG: (W97°53'29.30")BOTTOM HOLE
85' FNL - 1650' FELNE CORNER, SE/4
LAT: (N35°12'39.07")
LONG: (W97°52'57.48")NW CORNER, SW/4
LAT: N35°12'39.12"
LONG: W97°54'01.10"
ELEV:1213.7'DATUM: NAD 27
LAT.: N35°12'15.64"
LONG.: W97°53'21.91"
LAT.: N35.204344
LONG.: W97.889420
SPC (US FEET): OK-S
X: 2033037
Y: 680919SW CORNER (NAD27)
LAT: N35°12'12.94"
LONG: W97°54'01.17"
ELEV:1169.2'SW CORNER, SE/4
LAT: (N35°12'12.92")
LONG: (W97°53'29.34")PENETRATION POINT
100' FSL - 1650' FELSE CORNER (NAD27)
LAT: N35°12'12.90"
LONG: W97°52'57.51"
ELEV:1206.5

2371'

616'

275'

2025'

Operator: GAEDEKE OIL AND GAS OPERATING, LLC

Lease Name: DOLCH

Date Staked: 08/10/17

Well No.: 1H-36

Elevation: 1189'

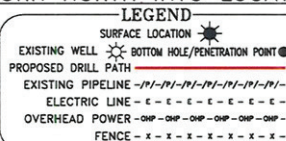
Topography and Vegetation: PASTURE

Good Drill Site? YES

Reference or Alt. Location Stakes Set: NONE

Best Accessibility to Location: FROM COUNTY ROAD

Distance and Direction from Hwy. Jct. or town: FROM POCASSET GO NORTH ON HWY 81 FOR 0.5 MILES, TURN EAST ON DUTON RD. 3.6 MILES TURN NORTH INTO LOCATION.

FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO.: 18609-29-2017
DATE

NOTE:

This is a plat 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 plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.



Gateway Services Group, LLC

 P.O. BOX 960
 MEEKER, OK 74855
 OFF. (405) 273-0954
 FAX (405) 273-0580
 C.A. NO. 4091 (LS)
 EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY

GAEDEKE OIL AND GAS OPERATING, LLC

DOLCH 1H-36

275' FSL - 2025' FEL

SECTION 36, T 09 N - R 07 W, I.M.,
GRADY COUNTY, OKLAHOMA

DRAWN BY: TLM		DATE: 08/11/17	CHK'D: RLG
GATEWAY NO.: 17-0596-001R1		SCALE: 1"=1000'	
PAD#:		WELL#:	
REV.	DWN.	DESCRIPTION	DATE
1	CLC	RETAKE	09/20/17