

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

API NUMBER: 051 24243

Approval Date: 01/04/2018

Expiration Date: 07/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 9N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 247 2023

Lease Name: KUHLMAN

Well No: 1H-20

Well will be 247 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

JON KEITH KUHLMAN & MARY K. KUHLMAN
312 EAST PARKLAND DRIVE
YUKON OK 73099

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

Name	Depth	Name	Depth
1 WOODFORD	12661	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707515

Special Orders:

Total Depth: 17488

Ground Elevation: 1196

Surface Casing: 1200

Depth to base of Treatable Water-Bearing FM: 590

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: DOG CREEK

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

PERMIT NO: 17-33331

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 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: DOG CREEK

HORIZONTAL HOLE 1

Sec 20 Twp 9N Rge 7W County GRADY

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 85

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 12129

Radius of Turn: 573

Direction: 355

Total Length: 4459

Measured Total Depth: 17488

True Vertical Depth: 12661

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

Notes:

Category

Description

COMPLETION INTERVAL

1/4/2018 - G75 - COMPLETION INTERVAL FOR WOODFORD WILL BE GREATER THAN 165' FNL AND FSL, GREATER THAN 330' FEL AND FWL PER OPERATOR

DEEP SURFACE CASING

1/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/3/2018 - 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: OCCWEB.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

1/3/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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 24243 KUHLMAN 1H-20

Category

PENDING CD - 201707515

Description

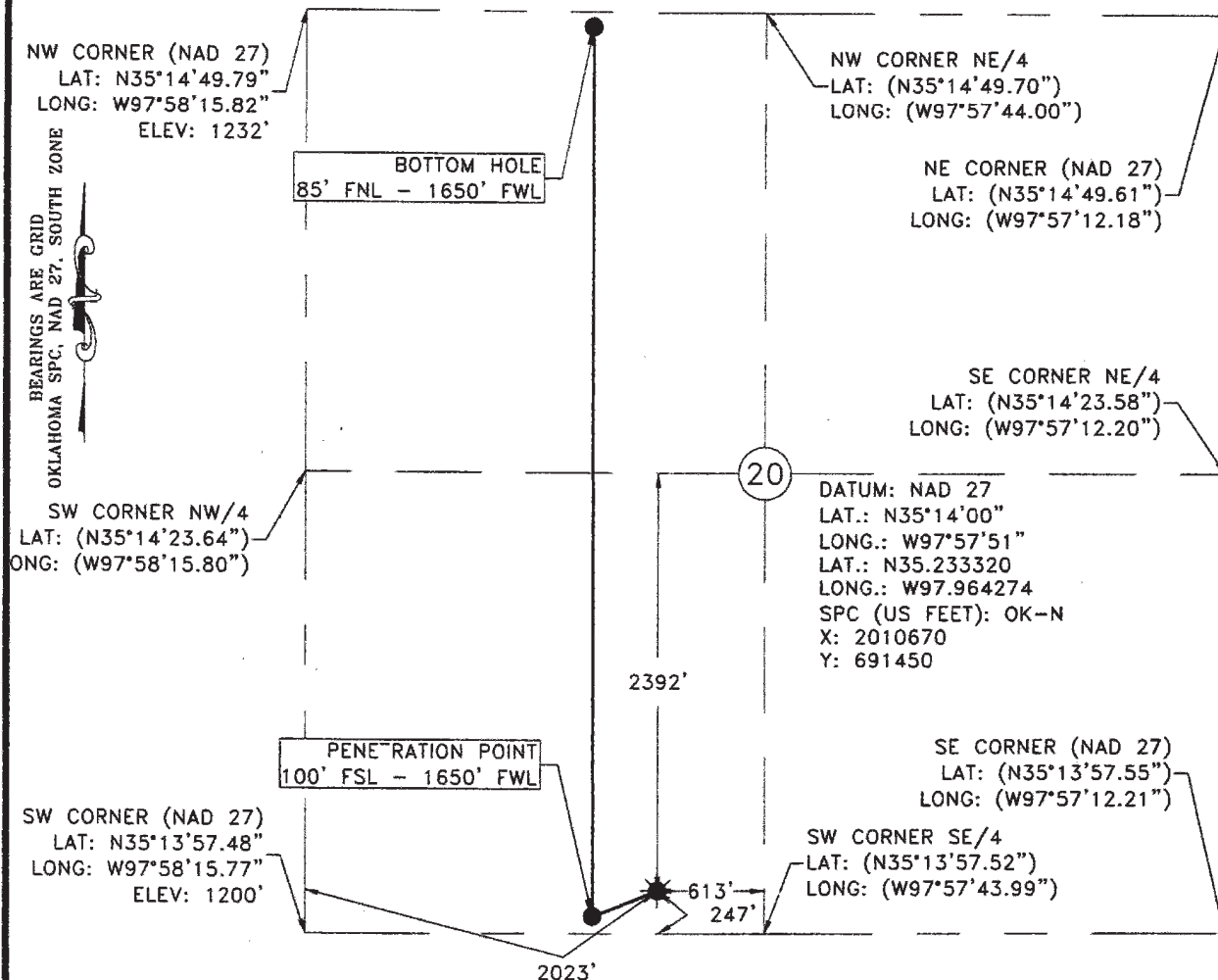
1/4/2018 - G75 - (640)(HOR) 20-9N-7W
VAC OTHERS
EXT 663532 WDFD, OTHERS
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 11-28-2017 (MINMIER)

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.

SECTION 20, T 09 N - R 07 W, I.M., GRADY COUNTY, OKLAHOMA

Operator: GAEDEKE OIL AND GAS OPERATING, LLCDate Staked: 09/29/17Lease Name: KUHLMANWell No.: 1H-20Elevation: 1196.1'Topography and Vegetation: PASTUREGood Drill Site? YESReference or Alt. Location Stakes Set: NONEBest Accessibility to Location: FROM COUNTY ROADDistance and Direction from Hwy. Jct. or town: FROM POCASSET HEAD NORTH ON ST. HWY 37 & 81/3RD ST. NW FOR 2.7 MILES, TURN WEST ON SOONER RD. FOR .6 MILES, TURN NORTH INTO LOCATION.

LEGEND

SURFACE LOCATION

EXISTING WELL * BOTTOM HOLE/PENETRATION POINT

PROPOSED DRILL PATH

EXISTING PIPELINE -PI-PI-PI-PI-PI-PI-

ELECTRIC LINE -E-E-E-E-E-E-E-E-

OVERHEAD POWER -OP-OP-OP-OP-OP-OP-

FENCE -F-F-F-F-F-F-F-F-

FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO.: 1860

12-20-2017
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
Gateway Services Group, LLC

P.O. BOX 950
MEeker, 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
KUHLMAN #1H-20
247' FSL - 2023' FWL
SECTION 20, T 09 N - R 07 W, I.M.,
GRADY COUNTY, OKLAHOMA

DRAWN BY: TLM		DATE: 09/22/17		CHK'D: CWP	
GATEWAY NO.: 17-0472-001R2			SCALE: 1"=1000'		
PAD#:			WELL#:		
REV. DWN.		DESCRIPTION		DATE	
1 JE		RESTAKE		10/2/17	
2 TLM		BHL MOVE		12/18/17	