

API NUMBER: 071 24930

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

Approval Date: 06/29/2022

Expiration Date: 12/29/2023

Straight Hole

Disposal

PERMIT TO DRILL

WELL LOCATION: Section: 03 Township: 27N Range: 1W County: KAY

SPOT LOCATION: ☐ NW ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 380 440

Lease Name: GERALDINE BUMGARDNER SWD Well No: 4 Well will be 380 feet from nearest unit or lease boundary.

Operator Name: PRESSURE PUMPING SERVICES LLC Telephone: 5803635413; 5803635418 OTC/OCC Number: 22034 0

PRESSURE PUMPING SERVICES LLC
421 N 20TH ST
BLACKWELL, OK 74631-2466

TICKEL PROPERTIES LLC
2045 NORTH 177TH STREET
BLACKWELL OK 74631

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

Name	Code	Depth
1 WILCOX	202WLCX	3460

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 3620

Ground Elevation: 1004

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 170

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38415
H. (Other) CLOSED SYSTEM=STEEL PITS (REQUIRED - CHIKASKIA RIVER)

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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

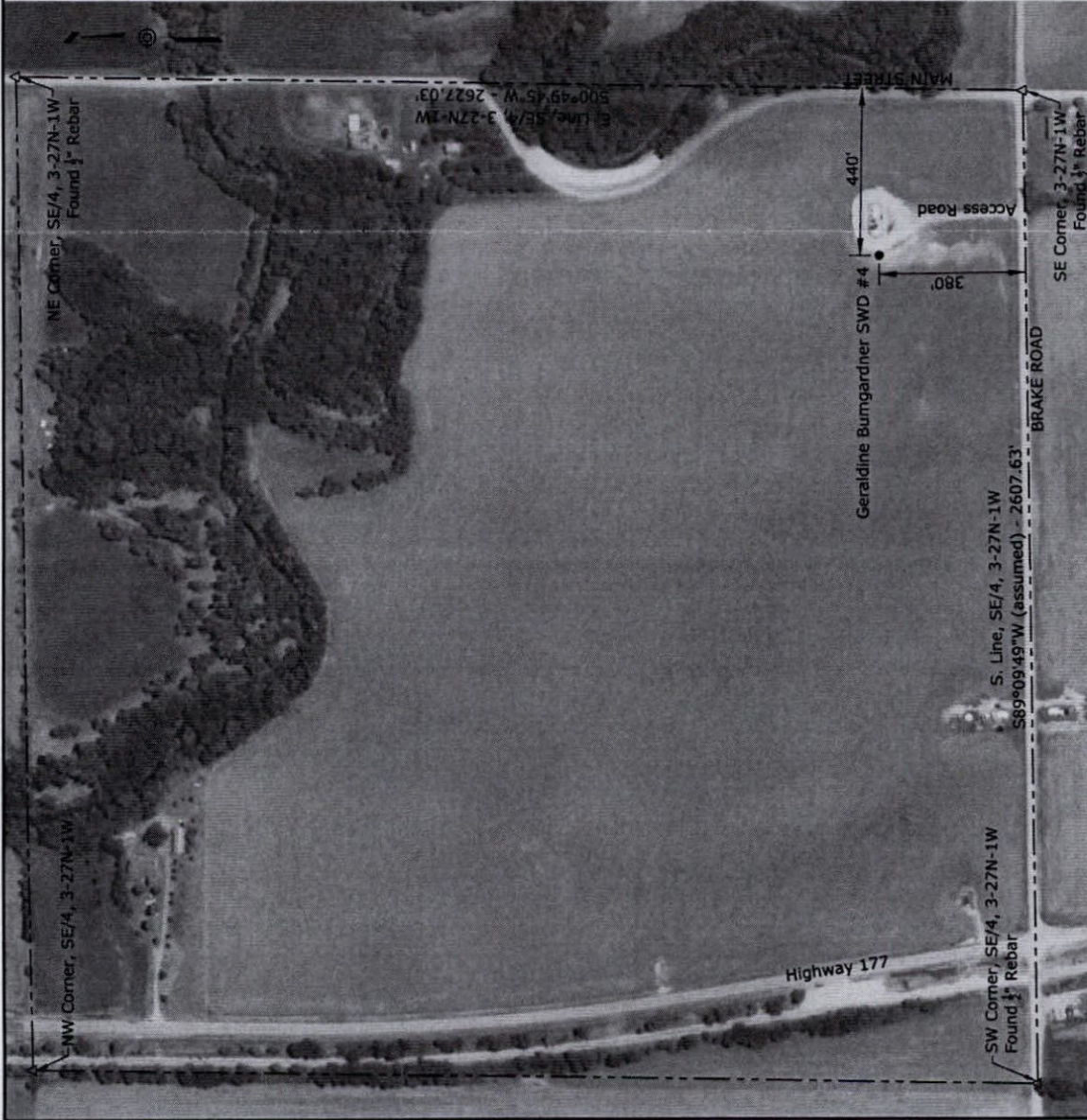
Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

NOTES:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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
HYDRAULIC FRACTURING	<p>[4/19/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
SPACING	[4/19/2022 - GC2] - N/A - DISPOSAL WELL



WELL LOCATION PREPARED FOR:

Jim Tickle
2045 N. 177th Street
Blackwell, OK 74631

LEGEND

- Well Location
- △ Section Corner

DIRECTIONS TO WELL:

From the intersection of Highway 177 and Brake Road head East for 1900 +/- to the access road shown hereon.

DESCRIPTION OF WELL LOCATION:

Geraldine Bumgardner SWD #4: 380.00 feet North of the South line and 440.00 feet West of the East line of the Southeast Quarter of Section 3, Township 27 North, Range 1 West of the 1M, Kay County, Oklahoma.

HORIZONTAL & VERTICAL DATUM: "GERALDINE BUMGARDNER SWD #4"

- NAD27 LAT=N36.8421768" LON=W97.3921679"
LAT=N36°50'31.8364" LON=W97°23'31.8044"
- NAD83 LAT=N36.8415402" LON=W97.2845154"
LAT=N36°50'29.5448" LON=W97°17'04.2554"
- NAVD88 GROUND ELEVATION=1004.12

(Note: The above datum was derived from a Static Survey completed on 2/8/22)

NOTES:

-Surveyor has made no investigation or independent search for easements of record, encumbrances, vocation lands, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.

-This does not constitute a boundary survey and may be subject to any inaccuracies that a subsequent boundary survey may disclose; it is not to be used or relied upon for the establishment of any fence, structure or other improvements.

CERTIFICATION:

I hereby certify that this is an accurate representation of the proposed well location and existing ground elevation as surveyed on the 8th day of February, 2022.

Gregory D. Frederick

Oklahoma L.C. NO.: LS 1468

C.A. NO.: 6267 EXP.: 6/30/23



WELL (Geraldine Bumgardner SWD #4)
SE/4, SECTION 3, TOWNSHIP 27 NORTH, RANGE 1 WEST, 1.M.
KAY COUNTY, OKLAHOMA



SMITH & OAKES, INC.
CIVIL ENGINEERING / LAND SURVEYING
P.O. BOX 695 / 110 W. BRYANT ROAD / ANKARSA, OK 74505
620-448-4756 / FAX 620-448-4461 / INFO@SMITHOAKES.COM

DATE: 2/8/2022 PROJECT: 12-030 SHEET: 1 OF 1 DRAWN BY: GDF