

API NUMBER: 117 23711

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

Approval Date: 06/16/2022  
Expiration Date: 12/16/2023

Straight Hole Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 21 Township: 24N Range: 5E County: PAWNEE

SPOT LOCATION: W2 SW NE SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 1650 1500

Lease Name: BIG DOG Well No: 7 Well will be 180 feet from nearest unit or lease boundary.  
Operator Name: SUPERIOR OIL & GAS LLC Telephone: 5805545515 OTC/OCC Number: 20891 0

SUPERIOR OIL & GAS LLC  
42516 HWY 412  
RINGWOOD, OK 73768-9717

MILES MILLER  
3900 INDUSTRIAL BLVD  
PONCA CITY OK 73768

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

	Name	Code	Depth
1	CLEVELAND	405CLVD	2500
2	OSWEGO	404OSWG	2850
3	PINK LIME	404PKLM	2970
4	RED FORK	404RDFK	2980
5	MISSISSIPPI LIME	351MSSLM	3200

	Name	Code	Depth
6	1ST WILCOX	202WLCX1	3350
7	2ND WILCOX	202WLCX2	3400

Spacing Orders: 211491

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: 3500 Ground Elevation: 920

Surface Casing: 165

Depth to base of Treatable Water-Bearing FM: 90

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38339  
H. (Other) CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

### 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: BED AQUIFER

Pit Location Formation: OSCAR

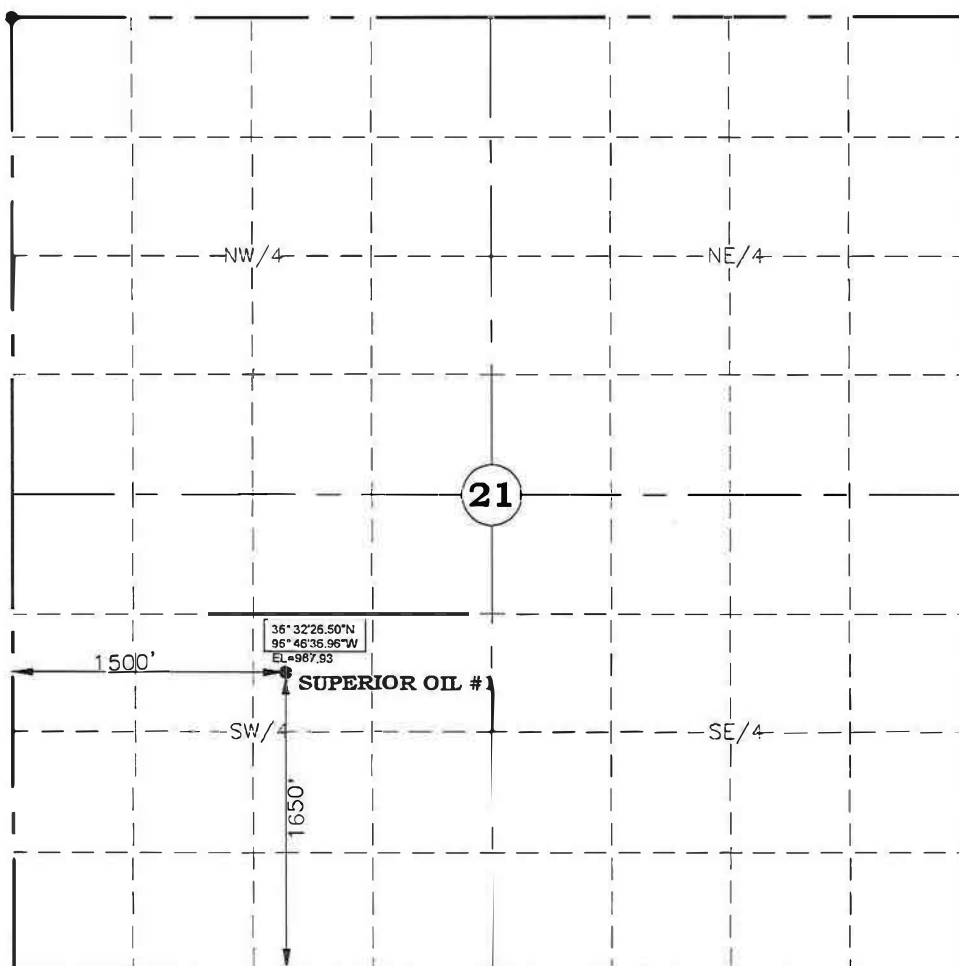
### NOTES:

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>[6/7/2022 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 211491	<p>[6/16/2022 - G56] - (10) 21-24N-5E  REFORM OTHERS  EST CLVD, OSWG, PKLM, RDFK, MSSLM, WLCX1, WLCX2</p>

## WELL LOCATION PLAT

COMPANY: SUPERIOR OIL AND GAS LLC LEASE: BIG DOG WELL NO. 7  
QUARTER: SOUTHWEST SECTION: 21 TOWNSHIP: 24 NORTH RANGE: 5 EAST MERIDIAN: INDIAN  
COUNTY: PAWNEE STATE: OKLAHOMA LOCATION: 1650' FSL 1500' FWL ELEVATION: 920' (NAD 88)  
LATITUDE: 36°32'26.50" N LONGITUDE: 96°46'36.96" W ACCURACY  $\pm 2-3$  METERS STAKED: 04/14/22



### SURVEY NOTES

DISTANCES SHOWN ARE BASED ON THE QUARTER SECTION BEING 2640 FEET. ACTUAL SECTION LINE DISTANCES HAVE NOT BEEN MEASURED. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.

THIS LOCATION HAS BEEN CAREFULLY STAKED, UTILIZING THE BEST AVAILABLE SURVEY RECORDS, MAPS, PHOTOGRAPHS AND EQUIPMENT. HOWEVER, ITS EXACT POSITION IS NOT GUARANTEED.

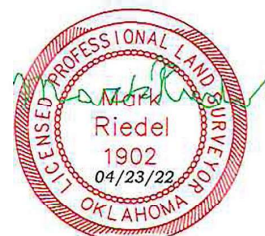
### CERTIFICATE OF SURVEY

I HEREBY CERTIFY THAT A SURVEY WAS MADE UNDER MY SUPERVISION OF THE ABOVE DESCRIBED WELL LOCATION AND THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY.



NAD 83

US SURVEY FEET



MARK RIEDEL LS#1902

**ALTMAN & OSAGE  
SURVEYING LLC.**  
107 N. 4TH ST. STE 213  
PONCA CITY, OK  
918-287-4029  
CA # 7862

**SUPERIOR OIL & GAS LLC.**  
RR1 BOX 40  
RINGWOOD, OK 73768  
WELL LOCATION IN  
OSAGE COUNTY, OKLAHOMA

SURVEYED BY: MJR  
DRAWN BY: MJR  
CHECKED BY: MJR  
LAST ON SITE: 04/14/22  
DATE: 04/23/22  
JOB NO: 22-016  
SHEET 1 OF 1