

API NUMBER: 037 29449

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

Approval Date: 03/25/2020  
Expiration Date: 09/25/2021

Straight Hole Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 13 Township: 14N Range: 9E County: CREEK

SPOT LOCATION: C S2 SW NW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 330 660

Lease Name: LLAMA Well No: 13-2 Well will be 330 feet from nearest unit or lease boundary.  
Operator Name: BARDEN/BASS OIL & GAS EXPLORATION Telephone: 9725631496 OTC/OCC Number: 24488 0

BARDEN/BASS OIL & GAS EXPLORATION COMPANY INC  
201A W MOORE AVE STE D  
TERRELL, TX 75160-3143

IVETTE ARMSTRONG  
32563 S 289TH WEST AVE  
BRISTOW OK 74010

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

	Name	Code	Depth
1	SKINNER	404SKNR	2120
2	RED FORK	404RDFK	2280
3	BARTLESVILLE	404BRVL	2660
4	GILCREASE	403GLCR	2990
5	VIOLA	202VIOL	3600

	Name	Code	Depth
6	WILCOX	202WLCX	3660

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 4000 Ground Elevation: 850

Surface Casing: 390

Depth to base of Treatable Water-Bearing FM: 340

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

### PIT 1 INFORMATION

Type of Pit System: ON SITE

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is: NON HSA

Pit Location Formation: NELLIE BLY

### 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>3/10/2020 - GC2 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING	3/25/2020 - GB1 - FORMATIONS UNSPACED; 80-ACRE LEASE S2 NW4