

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

API NUMBER: 081 24316 A

Approval Date: 01/23/2020

Expiration Date: 07/23/2021

Straight Hole Oil & Gas

Amend reason: WELL LOCATION AND NUMBER

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 30 Township: 14N Range: 6E County: LINCOLN

SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 2366 1719

Lease Name: BROWN'S LAKE Well No: 1-30 Well will be 1719 feet from nearest unit or lease boundary.

Operator Name: SOUTHSTAR EXPLORATION LLC Telephone: 4052321719 OTC/OCC Number: 23709 0

SOUTHSTAR EXPLORATION LLC  
4335 N CLASSEN BLVD STE 200  
OKLAHOMA CITY, OK 73118-5031

SUZY BROWN HIGHTOWER  
940098 S 3540 ROAD  
STROUD OK 74079

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

	Name	Code	Depth
1	LAYTON	405LYTN	2150
2	CLEVELAND	405CLVD	2450
3	PRUE	404PRUE	3350

Spacing Orders: 705512

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 3500

Ground Elevation: 783

**Surface Casing: 300**

Depth to base of Treatable Water-Bearing FM: 250

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: 20-37184  
H. CLOSED SYSTEM=STEEL PITS REQUIRED (BROWNS LAKE)

**PIT 1 INFORMATION**

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2500

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? Y

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:**

**Category**

**Description**

HYDRAULIC FRACTURING

1/22/2020 - 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](http://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](http://FRACFOCUS.ORG)

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.

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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.