API NUMBER: 017 25140 B

Straight Hole Disposal

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

Approval Date: 09/25/2018
Expiration Date: 03/25/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 11N Rge: 7W County: CANADIAN

SPOT LOCATION: SW NE NE SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **2000** **650**

Lease Name: UNION CITY SWD **Well No: 1** **Well will be 650 feet from nearest unit or lease boundary.**

Operator Name: **S & S STAR OPERATING LLC** Telephone: 3033046523 OTC/OCC Number: 23996 0

S & S STAR OPERATING LLC
13190 N MACARTHUR BLVD
OKLAHOMA CITY, OK 73142-3017

S & S STAR OPERATING, LLC
1308 LAKE STREET
FORT WORTH TX 76102

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

	Name	Depth		Name	Depth
1	WOLFCAMPIAN	3000	6		
2	VIRGILIAN	5000	7		
3			8		
4			9		
5			10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6300 Ground Elevation: 1301 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: DOG CREEK

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

Notes:

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.

Category	Description
HYDRAULIC FRACTURING	9/20/2018 - 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: 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
SPACING	12/13/2017 - G57 - NA - DISPOSAL WELL

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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.