

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

API NUMBER: 051 24367 A

Approval Date: 12/31/2019
Expiration Date: 06/30/2021

Straight Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 9N Rge: 7W County: GRADY
SPOT LOCATION: ☐ SW ☐ SE ☐ NE ☐ NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1420 2270

Lease Name: TUTTLE PAXTON SWD Well No: 1 Well will be 1420 feet from nearest unit or lease boundary.
Operator Name: S & S STAR OPERATING LLC Telephone: 4055296577 OTC/OCC Number: 23996 0

S & S STAR OPERATING LLC
PO BOX 249
OKLAHOMA CITY, OK 73101-0249

T. L. & DANA HARTLEY
4716 NORTH MCMILLAN AVENUE
BETHANY OK 73008

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

Name	Depth	Name	Depth
1 PENNSYLVANIAN	4600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6500 Ground Elevation: 1257 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 370

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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

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>12/3/2019 - G71 - 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: OCCWEB.COM/OG/OGFORMS.HTML; 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: FRACFOCUS.ORG</p>
MEMO	12/5/2019 - G71 - LIMITED TO 10,000 BBL/DAY - OVER 5,000 BBL/DAY REQUIRES A HEARING - REQUIRES A DISPOSAL PERMIT FROM OCC UIC PRIOR TO ANY DISPOSING
SPACING	12/3/2019 - G71 - N/A - DISPOSAL WELL