

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

API NUMBER: 051 24678

Approval Date: 07/12/2019

Expiration Date: 01/12/2021

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 5N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2260 1577

Lease Name: SUNDOWN

Well No: 1-14

Well will be 1577 feet from nearest unit or lease boundary.

Operator Name: RED ROCKS OIL & GAS OPERATING LLC

Telephone: 4056003065

OTC/OCC Number: 22649 0

RED ROCKS OIL & GAS OPERATING LLC
1141 N ROBINSON AVE STE 301
OKLAHOMA CITY, OK 73103-4919

JERRY ENGLAND
17251 ROCKWELL AVENUE
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	BROMIDE DENSE	11485	6	
2	1ST BROMIDE	11495	7	
3	2ND BROMIDE	11700	8	
4	TULIP CREEK	11850	9	
5	MCLISH	12210	10	

Spacing Orders: 29404
353204

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903477

Special Orders:

Total Depth: 12500

Ground Elevation: 1003

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 90

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36705
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER)

DIRECTIONAL HOLE 1

Sec 14 Twp 5N Rge 5W County GRADY

Spot Location of End Point: NE SE NW SE

Feet From: SOUTH 1/4 Section Line: 1800

Feet From: EAST 1/4 Section Line: 1550

Measured Total Depth: 12500

True Vertical Depth: 12455

End Point Location from Lease,

Unit, or Property Line: 1550

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
DEEP SURFACE CASING	7/9/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	7/9/2019 - 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: OCCWEB.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
PENDING CD - 201903477	7/11/2019 - G56 - (E.O.) N2 SE4 14-5N-5W X29404 BMDD, BRMD1, BRMD2 X353204 TPCK, MCLS COMPL INT NCT 478' FSL, NCT 1091 FWL NO OP NAMED REC 7/8/2019 (DENTON)
SPACING - 29404	7/11/2019 - G56 - (80) 14-5N-5W LD NE/SW EST BMDD, BRMD1, BRMD2
SPACING - 353204	7/11/2019 - G56 - (80) SE4 14-5N-5W LD NE/SW EST OTHERS EXT OTHERS EXT 203918 TPCK, MCLS

051-24678

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

2260' FSL-1577' FEL

Section

14

Township

5N

Range

5W

I.M.

X 2088294
Y 575073X 2090937
Y 575105X 2093580
Y 575137X 2088301
Y 572425X 2093585
Y 572496

14

SURFACE HOLE
NAD-83
34.905065790° N
97.693450775° W

PROPOSED DRILL PATH

PROPOSED
BOTTOM HOLE
1800' FSL-1550' FEL
NAD-27
34°54'13.4" N
97°41'35.0" W
34.903731878° N
97.693050015° W
X 2092036
Y 571631
NAD-83
34.903802872° N
97.693363487° WX 2093590
Y 569855X 2088309
Y 569775X 2090949
Y 569814

WASHITA RIVER

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY**ELEVATION:**1003' Gr. at Stake (NGVD29)
1003' Gr. at Stake (NAVD88)

Operator: RED ROCK OIL & GAS OPERATING L.L.C.

Lease Name: SUNDOWN

Well No.: 1-14

Topography & Vegetation Location fell on wheat field, ±300' South of E-W fence.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From east off county road

Distance & Direction

from Hwy Jct or Town From St. Hwy 76 and CO. RD. 130th go West for ±3 miles to the Southeast
corner of Section 14 T5N-R5W.Revision ☒ B

Date of Drawing: JUNE 11, 2019

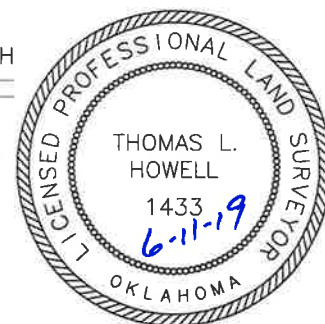
Project # 127065

Date Staked: JUNE 7, 2019 AL/KH

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

 DATUM: NAD-27
 LAT: 34°54'18.0" N
 LONG: 97°41'35.3" W
 LAT: 34.904994829° N
 LONG: 97.693137279° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2092009
 Y: 572091