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

API NUMBER: 039 22503 A

Approval Date: 05/19/2017
Expiration Date: 11/19/2017

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION: DEEP SURFACE CASING

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 14N Rge: 14W County: CUSTER

SPOT LOCATION: SE NE NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: **450** **2371**

Lease Name: HAMAR **Well No: 3H-17** **Well will be 450 feet from nearest unit or lease boundary.**

Operator Name: **EXCALIBUR RESOURCES LLC** Telephone: 4693172200 OTC/OCC Number: 23349 0

EXCALIBUR RESOURCES LLC
12222 MERIT DR STE 1150
DALLAS, TX 75251-2217

ALAN L DECK
PO BOX 188
THOMAS OK 73669

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

	Name	Depth		Name	Depth
1	RED FORK	11100	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 121743 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201701546
201701547

Special Orders:

Total Depth: 16500 Ground Elevation: 1691 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 390

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: WATER BASED
Chlorides Max: 50000 Average: 6000
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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32590
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 17 Twp 14N Rge 14W County CUSTER

Spot Location of End Point: E2 NE NE NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2371

Depth of Deviation: 10400

Radius of Turn: 700

Direction: 360

Total Length: 5000

Measured Total Depth: 16500

True Vertical Depth: 11200

End Point Location from Lease,
Unit, or Property Line: 165

Additional Surface Owner	Address	City, State, Zip
JOANNE K BUCKMASTER	815 NW 15TH STREET	OKLAHOMA CITY, OK 73106
CAROL E BASKETT	17504 MELVILLE LN	EDMOND, OK 73012

Notes:

Category	Description
DEEP SURFACE CASING	5/11/2017 - 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	5/11/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
PENDING CD - 201701546	5/19/2017 - G60 - (I.O.) 17-14N-14W X121743 RDFK COMPL. INT. NCT 330', NCT 330' FSL, NCT 1320' FEL NO OP. NAMED REC. 4/25/17 (NORRIS)
PENDING CD - 201701547	5/19/2017 - G60 - 17-14N-14W X121743 RDFK 1 WELL NO OP. NAMED REC. 4/25/17 (NORRIS)
SPACING - 121743	5/19/2017 - G60 - (640) 17-14N-14W EXT 118159 RDFK, OTHERS EXT OTHERS EST OTHER
SURFACE CASING	5/11/2017 - G71 - MIN. 500' PER ORDER 42589

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