

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

API NUMBER: 039 22540 A

Approval Date: 03/08/2019

Expiration Date: 09/08/2020

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 14N Rge: 14W County: CUSTER

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 345 587

Lease Name: SQUIRE

Well No: 1-8-17XH

Well will be 345 feet from nearest unit or lease boundary.

Operator EXCALIBUR RESOURCES LLC
Name:

Telephone: 4693172200

OTC/OCC Number: 23349 0

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

BELL, JULIA MARIE ET VIR LIFE EX
214 HELEN GREATHOUSE CIRCLE
MIDLAND TX 79707

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13706	6	
2	WOODFORD	14744	7	
3			8	
4			9	
5			10	

Spacing Orders: 677098
677097
678732

Location Exception Orders: 678473

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 25500

Ground Elevation: 1726

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 360

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: 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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34224

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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

HORIZONTAL HOLE 1

Sec 17 Twp 14N Rge 14W County CUSTER

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 500

Depth of Deviation: 14425

Radius of Turn: 573

Direction: 179

Total Length: 10175

Measured Total Depth: 25500

True Vertical Depth: 15000

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

2/5/2019 - 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

2/5/2019 - 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: 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

LOCATION EXCEPTION - 678473

3/8/2019 - G56 - (I.O.) 8 & 17-14N-14W
X677098 MSSP, WDFD 8-14N-14W
X677097 MSSP, WDFD 17-14N-14W
COMPL. INT. (8-14N-14W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. (17-14N-14W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL
EXCALIBUR RESOURCES, LLC
5/30/2018

MEMO

2/5/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

039 22540 SQUIRE 1-8-17XH

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
SPACING - 677097	3/8/2019 - G56 - (640)(HOR) 17-14N-14W VAC 121743 CSTR EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 677098	3/8/2019 - G56 - (640)(HOR) 8-14N-14W VAC 121743 CSTR EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 678732	3/8/2019 - G56 - (I.O.) 8 & 17-14N-14W EST MULTIUNIT HORIZONTAL WELL X677098 MSSP, WDFD 8-14N-14W X677097 MSSP, WDFD 17-14N-14W (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 8-14N-14W 50% 17-14N-14W EXCALIBUR RESOURCES, LLC 6/5/2018
SURFACE CASING	2/5/2019 - G71 - MIN. 500' PER ORDER 42589

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Office of the Conservation Division as to when Surface Casing will be run.