

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

API NUMBER: 039 22557

Approval Date: 10/18/2018

Expiration Date: 04/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 15N Rge: 14W

County: CUSTER

SPOT LOCATION: ☐ SW ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 286 2369

Lease Name: BEDIVERE

Well No: 2-4-9XH

Well will be 286 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

ROSS PICKENS
P.O. BOX 114
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	13000	6	
2	MISSISSIPPIAN	13316	7	
3	WOODFORD	14336	8	
4			9	
5			10	

Spacing Orders: 681180
684162

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802525
201802524

Special Orders:

Total Depth: 22004

Ground Elevation: 1710

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

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: 18-35512

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: 275000

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 09 Twp 14N Rge 14W County CUSTER

Spot Location of End Point: SE SW SW NE

Feet From: NORTH 1/4 Section Line: 2324

Feet From: EAST 1/4 Section Line: 2108

Depth of Deviation: 13915

Radius of Turn: 573

Direction: 178

Total Length: 7189

Measured Total Depth: 22004

True Vertical Depth: 14351

End Point Location from Lease,
Unit, or Property Line: 2108

Notes:

Category

Description

DEEP SURFACE CASING

10/12/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/12/2018 - GA8 - 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

INTERMEDIATE CASING

10/12/2018 - GA8 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

10/15/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

039 22557 BEDIVERE 2-4-9XH

Category	Description
PENDING CD - 201802524	10/15/2018 - G75 - (I.O.) 4 & 9-14N-14W X681180 MSNLC, WDFD 4-14N-14W X684162 MSSP, WDFD 9-14N-14W COMPL. INT. (4-14N-14W) NCT 165' FNL, NCT 0' FSL, NCT 1900' FEL & FWL COMPL. INT. (9-14N-14W) NCT 0' FNL, NCT 2640' FSL, NCT 1900' FEL & FWL NO OP. NAMED REC 6-28-2018 (THOMAS)
PENDING CD - 201802525	10/15/2018 - G75 - (I.O.) 4 & 9-14N-14W EST MULTIUNIT HORIZONTAL WELL X681180 MSNLC, WDFD 4-14N-14W X684162 MSSP, WDFD 9-14N-14W (MSNLC, MSSP ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 4-14N-14W 50% 9-14N-14W NO OP. NAMED REC 6-28-2018 (THOMAS)
SPACING - 681180	10/15/2018 - G75 - (640)(HOR) 4-14N-14W EST MSNLC, WDFD COMPL. INT. (MSNLC) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 684162	10/15/2018 - G75 - (640)(HOR) 9-14N-14W VAC 121743 CSTR EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SURFACE CASING	10/12/2018 - GA8 - MINIMUM 500' PER ORDER NO. # 42589

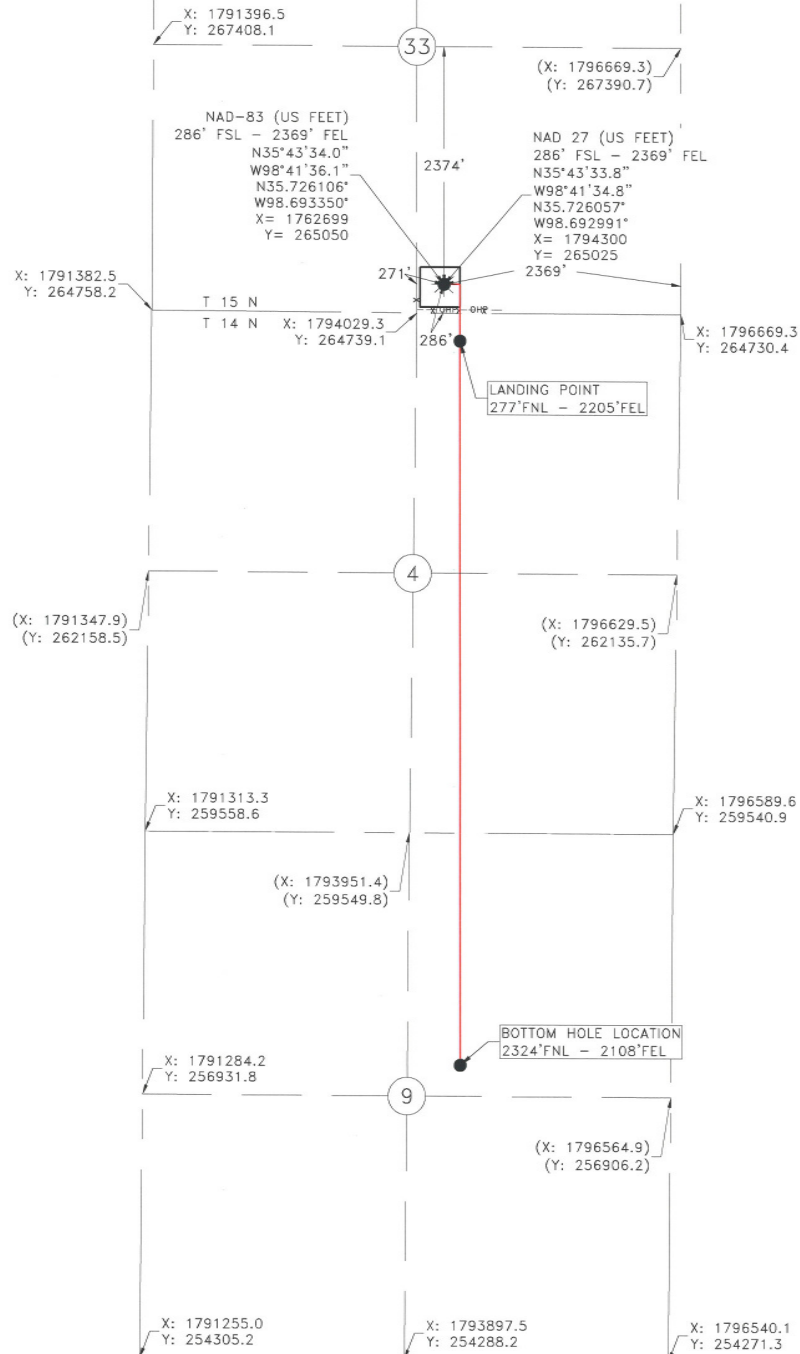
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SECTION 33, T 15 N - R 14 W, I.M., SECTIONS 4 & 9, T 14 N - R 14 W, I.M.,
CUSTER COUNTY, OKLAHOMA CUSTER COUNTY, OKLAHOMA

BEARINGS ARE GRID
OKLAHOMA SFC, NAD 27, NORTH ZONE



Operator: EXCALIBUR RESOURCES Date Staked: 09/06/18
Lease Name: BEDIVERE Well No.: 2-4-9XH Elevation: 1710'
Topography and Vegetation: PASTURE
Good Drill Site? YES Reference or Alt. Location Stakes Set: YES
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy, Jct. or town: FROM THOMAS HEAD SOUTH ON CO. RD. N2390 FOR 1 MILE, TURN EAST ON CO. RD. E0890 FOR 2.5 MILES, TURN NORTH INTO LOCATION.

Kyle D. Adams
KYLE D. ADAMS
OKLAHOMA P.L.S. NO.: 1944

NOTE:
This is a plot of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plot and notify Gateway Services Group, LLC immediately of any possible discrepancy.



Gateway
Gateway Services Group, LLC
P.O. BOX 960
MCKEER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0580
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2020

LEGEND
SURFACE LOCATION
EXISTING WELL 2-4-9XH
PROPOSED WELL PATH
EXISTING PIPELINE
ELECTRIC LINE
OVERHEAD POWER
FENCE

EXHIBIT "A" PRELIMINARY

EXCALIBUR RESOURCES
BEDIVERE 2-4-9XH
286' FSL - 2369' FEL
SECTION 33, T 15 N - R 14 W, I.M., CUSTER COUNTY, OKLAHOMA
SECTIONS 4 & 9, T 14 N - R 14 W, I.M., CUSTER COUNTY, OKLAHOMA

REV.	DATE	DESCRIPTION	DATE
1	09/11/18	NAME CHANGE	09/11/18
2	09/14/18	REVISION	09/14/18
3	10/15/18	ADDED BORE PATH	10/15/18
4	10/17/18	TOWNSHIP CORRECTION	10/17/18