

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

API NUMBER: 121 24804

Approval Date: 12/21/2017

Expiration Date: 06/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 7N Rge: 18E

County: PITTSBURG

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 355 525

Lease Name: FORD 0718

Well No: 5H-10

Well will be 355 feet from nearest unit or lease boundary.

Operator Name: RED MOUNTAIN OPERATING LLC

Telephone: 4058424500

OTC/OCC Number: 23694 0

RED MOUNTAIN OPERATING LLC  
5637 N CLASSEN BLVD  
OKLAHOMA CITY, OK 73118-4015

SONJA FORD  
P.O. BOX 839  
QUINTON OK 74561

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7389	6	
2	WOODFORD	7872	7	
3	HUNTON	7957	8	
4			9	
5			10	

Spacing Orders: 666053

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707727

Special Orders:

Total Depth: 12836

Ground Elevation: 696

**Surface Casing: 300**

Depth to base of Treatable Water-Bearing FM: 220

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: 8000 Average: 5000

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 BED AQUIFER

Pit Location Formation: SAVANNA

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

PERMIT NO: 17-33500

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.

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 BED AQUIFER

Pit Location Formation: SAVANNA

HORIZONTAL HOLE 1

Sec 10 Twp 7N Rge 18E County PITTSBURG

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 880

Depth of Deviation: 6953

Radius of Turn: 583

Direction: 350

Total Length: 4967

Measured Total Depth: 12836

True Vertical Depth: 7957

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/18/2017 - G57 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

12/18/2017 - G57 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201707727

12/18/2017 - G57 - (I.O.) 10-7N-18E  
X666053 MSSP, WDFD, HNTN  
SHL NW4 NW4 14-7N-18E  
COMPL. INT. (10-7N-18E) NCT 165' FNL, NCT 165' FSL, NCT 330' FEL  
NO OP. NAMED  
REC 12-4-2017 (MILLER)

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.

121 24804 FORD 0718 5H-10

Category	Description
SPACING - 666053	12/18/2017 - G57 - (640)(HOR) 10-7N-18E EST MSSP, WDFD, HUNTON POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST WITH NON-PRODUCING NON-HORIZONTAL SPACING UNITS; PRODUCING NON-HORIZONTAL SPACING UNITS)



# Well Location Plat

S.H.L. Sec. 14-7N-18E I.M.  
B.H.L. Sec. 10-7N-18E I.M.

Operator: RED MOUNTAIN ENERGY, LLC  
Lease Name and No.: FORD 0718 5H-10  
Footage: 355' FNL - 525' FWL Gr. Elevation: 696'  
Section: 14 Township: 7N Range: 18E I.M.  
County: Pittsburg State of Oklahoma  
Terrain at Loc.: Location fell in flat pasture.

API: 121 24804



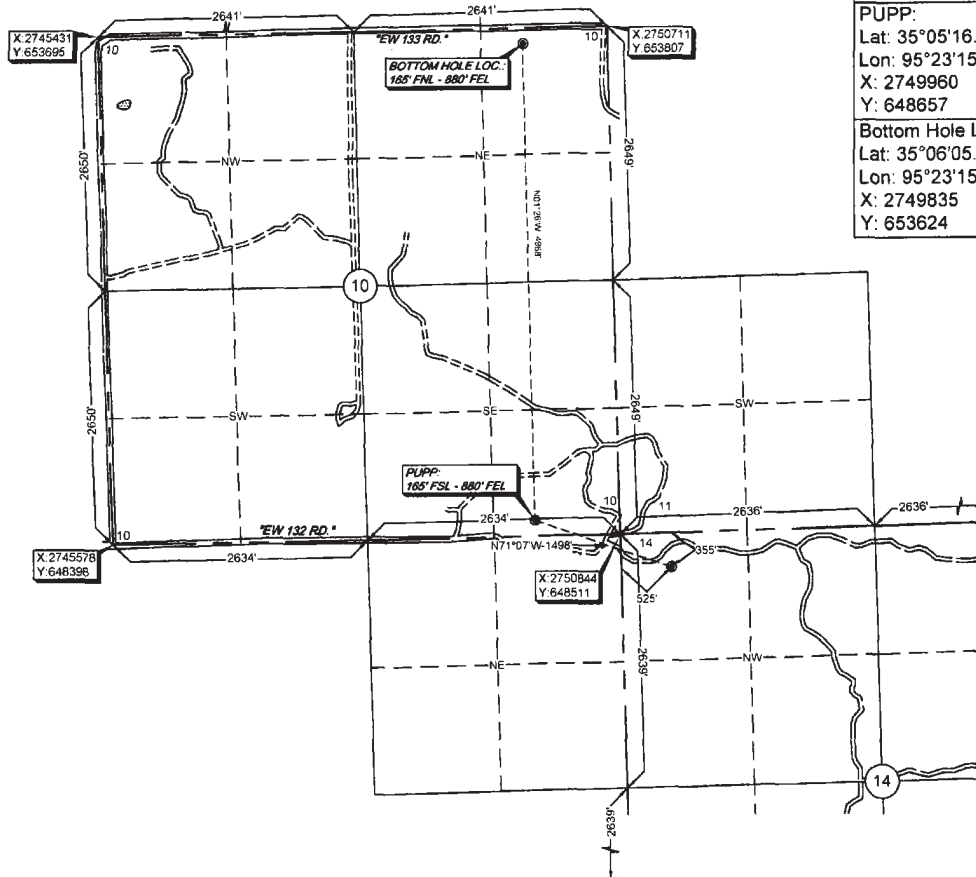
1"=1500'

GPS DATUM  
NAD 83  
OK SOUTH ZONE

Surface Hole Loc.:  
Lat: 35°05'11.35"N  
Lon: 95°22'58.60"W  
X: 2751378  
Y: 648172

PUPP:  
Lat: 35°05'16.51"N  
Lon: 95°23'15.50"W  
X: 2749960  
Y: 648657

Bottom Hole Loc.:  
Lat: 35°06'05.65"N  
Lon: 95°23'15.46"W  
X: 2749835  
Y: 653624



Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.  
NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 238 Wilburton, OK 74578  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
Expires June 30, 2018  
Invoice #6689-A  
Date Staked: 10/27/16 By: D.A.  
Date Drawn: 11/03/16 By: J.H.  
Rev. BHL : 11/09/17 By: C.K.

Certification:  
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS

11/13/17

OK LPLS 1664

