

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

API NUMBER: 017 25014 A

Approval Date: 05/23/2017
Expiration Date: 11/23/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE FORMATION NAME, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 13N Rge: 6W County: CANADIAN
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 198 1649

Lease Name: WALLACE Well No: 6-12MH Well will be 198 feet from nearest unit or lease boundary.

Operator Name: RED BLUFF RESOURCES OPERATING LLC Telephone: 4052088667 OTC/OCC Number: 23828 0

RED BLUFF RESOURCES OPERATING LLC
3030 NW EXPRESSWAY STE 900
OKLAHOMA CITY, OK 73112-5447

HERBERT STANDEVEN, JR.
P.O. BX 405
KIMBERLING CITY MO 65686

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	7800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 668314 Location Exception Orders: 676082 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 12874 Ground Elevation: 1251 Surface Casing: 1150 Depth to base of Treatable Water-Bearing FM: 950

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

PIT 1 INFORMATION

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 BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32608

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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: DUNCAN

HORIZONTAL HOLE 1

Sec 12 Twp 13N Rge 6W County CANADIAN

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 162

Feet From: EAST 1/4 Section Line: 1642

Depth of Deviation: 7193

Radius of Turn: 860

Direction: 360

Total Length: 4330

Measured Total Depth: 12874

True Vertical Depth: 8200

End Point Location from Lease,
Unit, or Property Line: 162

Notes:

Category

Description

HYDRAULIC FRACTURING

11/12/2019 - G56 - 5/18/2017 - 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

LOCATION EXCEPTION - 676082

11/12/2019 - G56 - (F.O.) 12-13N-6W
X668314 MSNLC
SHL (13-13N-6W) 198' FNL, 1649' FEL
COMPL INT (FIRST PERF) 656' FSL, 1506' FEL
COMPL INT (LAST PERF) 369' FNL, 1633' FEL
RED BLUFF RESOURCE OPERATING LLC
4/11/2018

MEMO

11/12/2019 - G56 - 5/18/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 668314

11/12/2019 - G56 - (640)(HOR) 12-13N-6W
VAC OTHER
EXT OTHERS
VAC 96519 MISS E2 SW4, SE4, N2
EST MSNLC
COMPL INT NCT 660' FB
(COEXIST WITH SP # 96519 MISS W2 SW4)

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