

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

API NUMBER: 107 23582 B

Approval Date: 07/25/2016
Expiration Date: 01/25/2017

Straight Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION, QUESTION # 12, TOTAL DEPTH, PIT SYSTEM & DISPOSAL METHOD; ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 12N Rge: 10E County: OKFUSKEE
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 660 1860

Lease Name: **AMANDA** Well No: **6** Well will be **660** feet from nearest unit or lease boundary.
Operator **CULBREATH OIL & GAS CO INC** Telephone: 9187493508 OTC/OCC Number: 20864 0
Name:

CULBREATH OIL & GAS CO INC
3501 S YALE AVE
TULSA, OK 74135-8014

JO ANNE MCBRIDE REVOCABLE TRUST
378050 EAST 1030 ROAD
OKEMAH OK 74859

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

	Name	Depth	Name	Depth
1	BOOCH	2900	6	
2	UNION VALLEY-CROMWELL	3083	7	
3			8	
4			9	
5			10	

Spacing Orders: 130032 Location Exception Orders: Increased Density Orders:
513818

Pending CD Numbers: 201604616 Special Orders:

Total Depth: 3125 Ground Elevation: 858 **Surface Casing: 406** Depth to base of Treatable Water-Bearing FM: 170

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: SEMINOLE

Approved Method for disposal of Drilling Fluids:

F. Haul to Commercial soil farming facility: Sec. 22 Twn. 12N Rng. 10E Cnty. 107 Order No: 616407

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

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.

Category	Description
HYDRAULIC FRACTURING	7/22/2016 - 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 - 201604616	11/21/2016 - G75 - SW4 8-12N-10E X513818 BOCH 1 WELL NO OP. NAMED REC 11-14-2016 (MCKEOWN)
SPACING - 130032	7/25/2016 - G75 - (160) W2 8-12N-10E EST UVCM, OTHERS
SPACING - 513818	11/21/2016 - G75 - (160) SW4 8-12N-10E EST BOCH, OTHERS

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