

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

API NUMBER: 007 25707

Approval Date: 11/01/2017
Expiration Date: 05/01/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 3N Rge: 22ECM County: BEAVER

SPOT LOCATION: ☐ NW ☐ SE ☐ NE ☐ NW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1708 2300

Lease Name: PWEF

Well No: 1

Well will be 932 feet from nearest unit or lease boundary.

Operator Name: GLB EXPLORATION INC

Telephone: 4057870049

OTC/OCC Number: 18634 0

GLB EXPLORATION INC
7716 MELROSE LN
OKLAHOMA CITY, OK 73127-6002

PWEF-OK, LLC
2775 NORTH KENMORE AVENUE, UNIT 1
CHICAGO IL 60614

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

	Name	Depth		Name	Depth
1	HOOVER	4600	6	ST GENEVIEVE	7460
2	TORONTO	4810	7	ST LOUIS	7540
3	LANSING-KANSAS CITY	4950	8		
4	MARMATON	5870	9		
5	CHESTER	6910	10		

Spacing Orders: 40746

Location Exception Orders: 668357

Increased Density Orders:

Pending CD Numbers: 201706221

Special Orders:

Total Depth: 7700

Ground Elevation: 2623

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 270

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

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

PERMIT NO: 17-33269

Chlorides Max: 8000 Average: 5000

H. CLOSED SYSTEM=STEEL PITS REQUIRED (WILLOW CREEK)

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: OGALLALA

Notes:

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

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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	<p>10/17/2017 - G57 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
PENDING CD - 201706221	<p>11/1/2017 - G58 - 5-3N-22ECM X170521 HOVR, TRNT, LGKC, MRMN, CSTR, STGV, STLS, OTHERS 1 WELL NO OP. NAMED REC 10/9/2017 (MINMIER)</p>
PENDING CD - 668357	<p>11/1/2017 - G58 - (I.O.) 5-3N-22ECM X170521 HOVR, TRNT, LGKC, MRMN, CSTR, STGV, STLS, OTHERS NCT 660' FNL, NCT 2000' FWL GLB EXPLORATION, INC. REC 7/17/2017 (M. PORTER)</p>
SPACING - 170521	<p>11/1/2017 - G58 - (640) 5-3N-22ECM EXT 33833/40746 CSTR EST HOVR, TRNT, LGKC, MRMN, STGV, STLS, OTHERS</p>