

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

API NUMBER: 137 27538

Approval Date: 06/21/2018

Expiration Date: 12/21/2018

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 2S Rge: 4W

County: STEPHENS

SPOT LOCATION: C W2 SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 660 990

Lease Name: GREEN RANCH

Well No: 10-19

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: HOGBACK EXPLORATION INC

Telephone: 4797099014

OTC/OCC Number: 21161 0

HOGBACK EXPLORATION INC

PO BOX 180368

FORT SMITH, AR 72918-0368

ESTATE OF EARL RAY GREEN DEC'D ET. AL

1106 W. MAPLE

DUNCAN OK 73533

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

	Name	Depth	Name	Depth
1	PERMIAN	1	6	
2	CISCO	900	7	
3	HOXBAR	1150	8	
4	DEESE	1800	9	
5			10	

Spacing Orders: 647620

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3900

Ground Elevation: 985

Surface Casing: 360

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. MIN. 20-MIL PIT LINER REQUIRED

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.

137 27538 GREEN RANCH 10-19

Category	Description
HYDRAULIC FRACTURING	<p>6/8/2018 - G71 - 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>
SPACING - 647620	<p>6/21/2018 - G57 - (40) S2 19-2S-4W VAC 384864 HDLN, FSLDU, FSLDL, TSSYU, TSSYL EXT 635725 DEESS EST PRMN, CSCO, HXBR</p>