

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

API NUMBER: 137 27492

Approval Date: 03/30/2017
Expiration Date: 09/30/2017

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 2S Rge: 4W County: STEPHENS
SPOT LOCATION: C NE NE SW FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 330 330

Lease Name: GREEN RANCH Well No: 6-19 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	790	7	
3	HOXBAR	1350	8	
4	DEESE	1700	9	
5			10	

Spacing Orders: 647620

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3200

Ground Elevation: 952

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 100

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. 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.

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Category	Description
HYDRAULIC FRACTURING	3/21/2017 - 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
INCREASED DENSITY	3/30/2017 - G60 - FIELD INSPECTOR WILL FILE 1003D FOR 3513705545 HARLEY 1 WELL
SPACING - 647620	3/27/2017 - G60 - (40) S2 19-2S-4W VAC 384864 FSLNU, FSLNL, TSSYL, TSSYU EXT 635725 DEESS EST PRMN, CSCO, HXBR

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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.

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