

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

API NUMBER: 137 27514

Approval Date: 01/08/2018

Expiration Date: 07/08/2018

Straight Hole

Oil & Gas

PERMIT TO DRILL

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

County: STEPHENS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1650 990

Lease Name: GREEN RANCH

Well No: 9-19

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	1100	8	
4	DEESE	1700	9	
5			10	

Spacing Orders: 647620

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3600

Ground Elevation: 957

Surface Casing: 280

Depth to base of Treatable Water-Bearing FM: 230

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 27514 GREEN RANCH 9-19

Category	Description
HYDRAULIC FRACTURING	<p>1/2/2018 - 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>1/8/2018 - G75 - (40) S2 19-2S-4W VAC 384864 HLDN, FSLDU, FSLDL, TSSYU, TSSYL EXT 635725 DEESS EST PRMN, CSCO, HXBR</p>

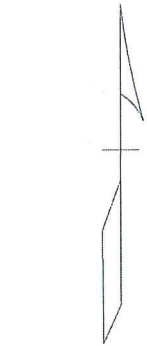
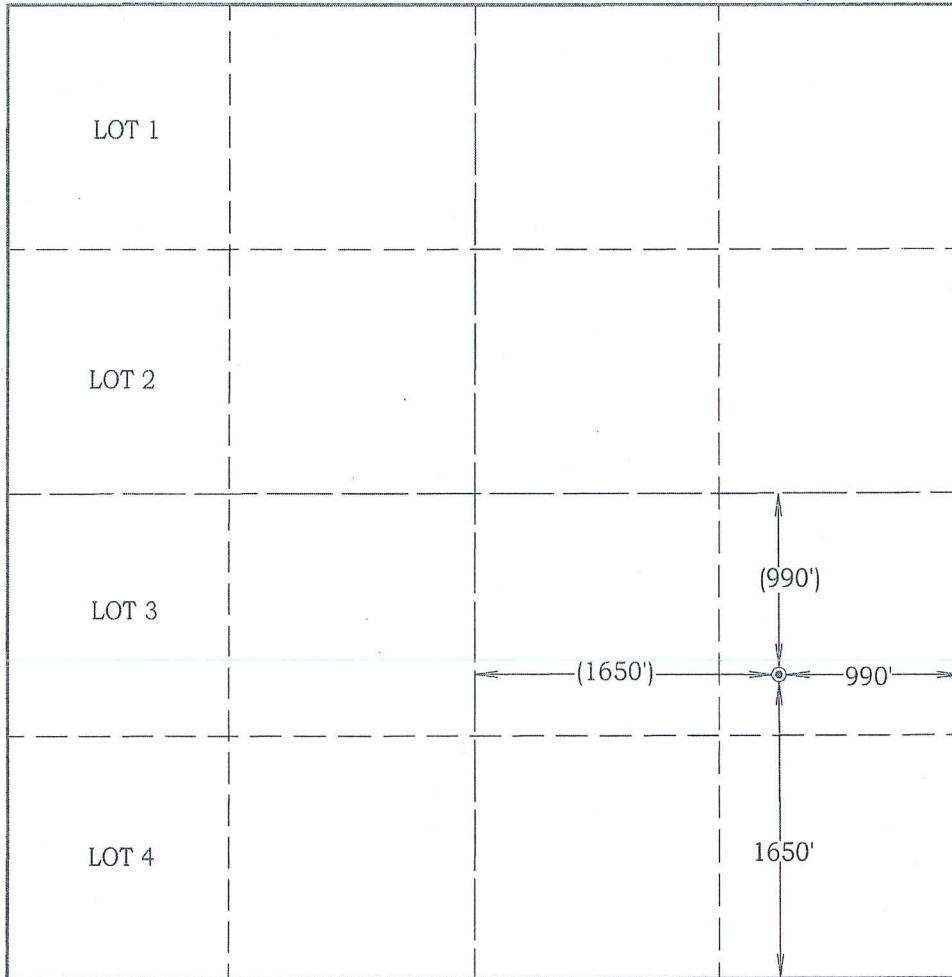
Well Location Plat
M & M Land Surveying, Inc.
520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

API 137-27514

Company Name: Hogback Exploration, Inc. Lease Name: Green Ranch #9-19
Section 19 Township 2 South Range 4 West County Stephens Oklahoma

Primary Location 1650' FSL - 990' FEL Elevation 957' Good Location? Yes
Alternate # 1 _____
Alternate # 2 _____

Topography
Location fell in pasture.



Scale: 1" = 1000'
Invoice # 17544
Date 12/19/17

Location NAD 83
Surface Location
Latitude: 34.36629°
Longitude: 97.65343°

Best Accessibility to Location
From the North

Distance & Direction From From the Jct of SH. #53 and SH. #89 South, go 3.4 miles West on SH. #53, then 1 mile North, 1 mile West, then 3 miles North on County Roads to the Northwest Corner of Section 19.
Highway or Town _____

CERTIFICATE:

I, D. Harry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown.

D. Harry McClintick 12/19/17
D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

The distances shown in parenthesis () are calculated distances based on the quarter section being 2640' and have not been measured.

