

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

API NUMBER: 047 25200

Approval Date: 06/17/2019

Expiration Date: 12/17/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 22N Rge: 3W

County: GARFIELD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 825 660

Lease Name: RYAN CINNAMON

Well No: 1-4

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: HOLLRAH EXPLORATION COMPANY

Telephone: 4057735440

OTC/OCC Number: 15764 0

HOLLRAH EXPLORATION COMPANY  
PO BOX 721174  
OKLAHOMA CITY, OK 73172-1174

RYAN & HILLARY CINNAMON  
322 EAST OSAGE STREET  
GARBER OK 73738

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

	Name	Depth		Name	Depth
1	COTTAGE GROVE	4190	6	RED FORK	5055
2	LAYTON	4445	7	MISSISSIPPI	5165
3	CLEVELAND	4605	8	SIMPSON DOLOMITE	5590
4	OSWEGO	4755	9	1ST WILCOX	5630
5	SKINNER	4985	10	2ND WILCOX	5700

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5800

Ground Elevation: 1120

**Surface Casing: 310**

Depth to base of Treatable Water-Bearing FM: 60

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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

Chlorides Max: 2500 Average: 1500

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: GARBER

E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 623842

F. Haul to Commercial soil farming facility: Sec. 10 Twn. 21N Rng. 1E Cnty. 103 Order No: 615859

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	<p>6/6/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <ol style="list-style-type: none"> <li>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;</li> <li>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</li> <li>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></li> </ol>
SPACING	6/17/2019 - G75 - FORMATIONS UNSPACED; 160-ACRE LEASE (NE4)

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047 25200 RYAN CINNAMON 1-4