

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

API NUMBER: 103 24742

Approval Date: 08/15/2018
Expiration Date: 02/15/2019

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 22N Rge: 2W County: NOBLE
SPOT LOCATION: C E2 SE NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 660 2310

Lease Name: HARVEY H Well No: 1-34 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: DAVIDSON ENERGY INC Telephone: 5803369303 OTC/OCC Number: 17058 0

DAVIDSON ENERGY INC
PO BOX 782
PERRY, OK 73077-0782

HARVEY L. & SANDY L. HENTGES LIV
3600 LARIAT
PERRY OK 73077

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

Name	Depth	Name	Depth
1 COTTONWOOD	1230	6 RED FORK	4680
2 TONKAWA	3100	7 MISSISSIPPI CHAT	4760
3 LAYTON	3770	8 MISSISSIPPI LIME	4776
4 BIG LIME	4312	9 WOODFORD	4900
5 SKINNER	4625	10	

Spacing Orders: 44244

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5000

Ground Elevation: 1011

Surface Casing: 320

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34945

H. CLOSED SYSTEM=STEEL PITS REQUIRED (BLACK BEAR CREEK)

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.

103 24742 HARVEY H 1-34

Category	Description
HYDRAULIC FRACTURING	8/3/2018 - G71 - OCC 165:10-3-10 REQUIRES: 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; 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, 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
SPACING	8/15/2018 - G57 - FORMATIONS UNSPACED(CTND, TNKW, LYTN, BGLM, RDFK, MSSCT, MSSLM, WDFD); LEASE-OUTLINE 40-ACRES SE4 NE4 34-22N-2W PER OPERATOR
SPACING - 44244	8/15/2018 - G57 - (40) N2 34-22N-2W EXT OTHER EXT SKNR
WATERSHED STRUCTURE	8/3/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 336-2003 PRIOR TO DRILLING